

# I

# 2024

# Undergraduate Research Week

APRIL 21-27



# Welcome

## 2024 Undergraduate Research Week

Welcome to Undergraduate Research Week 2024 and its signature event, the 17<sup>th</sup> annual Undergraduate Research Symposium!

This year marks yet again new milestones for URW, with a record number of Symposium presentations (surpassing last year's 20% rise), new modes of presentation (exhibits and demonstrations) and numbers of campus departments, units and programs participating across URW. This year also marks the first time for student awards support from several of our colleges and research institutes; we are grateful for this support on behalf of our student researchers.

Undergraduate research brings together the research and teaching mission of the University of Illinois. By engaging in the research process, our undergraduates develop both breadth and depth of disciplinary knowledge, deepen their understanding of the scholarly process, hone academic and personal skills that prepare them for their lives beyond graduation, and contribute to the Illinois research enterprise. This would not be possible without the continuing support of our faculty, staff, students, and community partners. The presentations found in our program reflect the caliber of our students, the range and diversity of academic disciplines across our campus, and the institutional support and commitment to undergraduate research as an important component of the Illinois experience. As is true of the mentors who support them, our students and their research hold the potential to change the world for the better.

I am always thankful for the hard work of the Office of Undergraduate Research team, without whom the planning of such a large-scale event would be impossible: Dr. Chris Holmes, our Associate Director; Kari Darby, our Coordinator of Research Programs; Lisa Surber-Cunningham, our Programs Specialist; Dr. Alaina Pincus, our Visiting Special Projects Manager; and our Social Media & Communications undergraduate intern, Melany Romero, a Clinical Psychology major. We have an incredible team, and their commitment to supporting undergraduate research is reflected in this URW program.

Finally, many thanks to the Office of the Provost and our advisory board for their ongoing support and counsel, and to our Undergraduate Research Ambassadors who continue to make their mark in supporting both their undergraduate colleagues and OUR programming and events.



**Karen Rodriguez'G, PhD**  
Director, Office of Undergraduate Research

## The Office of Undergraduate Research



**Christopher Holmes, PhD**  
Associate Director



**Kari Darby**  
Coordinator of Research Programs



**Lisa Surber-Cunningham**  
Programs Specialist



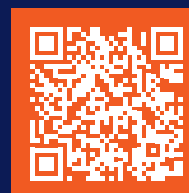
**Alaina Pincus, PhD**  
Visiting Special Projects Manager



**Melany Romero**  
Social Media & Communications  
Intern

Sign up for the Office of Undergraduate Research e-newsletter to receive occasional emails about research programs, events, and opportunities.

Sign up at:  
[go.illinois.edu/subscribeOUR](https://go.illinois.edu/subscribeOUR)



# Messages from Campus Leadership



**John Coleman**

Provost & Vice Chancellor  
for Academic Affairs

On behalf of the University of Illinois Urbana-Champaign, thank you and congratulations to the student researchers and supportive faculty and staff who make Undergraduate Research Week and Symposium such a success. Thanks also to the Office of Undergraduate Research for making this important opportunity available to our students.

As I think back to my own time as an undergraduate student, the opportunity to engage in research was a pivotal experience and I trust that our student researchers this year have likewise found their experience to be meaningful, challenging, and rewarding. Illinois students are bright and driven. When they are able to learn and discover as partners with our world-class faculty in the research process, our students deepen their curiosity and build their confidence. I extend my gratitude to everyone who makes these opportunities possible.



**Susan Martinis**

Vice Chancellor for  
Research & Innovation

Undergraduate student researchers are vital for the future of our institution— and —our planet! Indeed, their innovations are critical to solving the most vexing of challenges that face society.

We need their bright ideas, their creativity, and, most of all, their curiosity.

I am always energized and inspired when I engage with our student researchers, and I am grateful that they choose Illinois as a place to learn, grow, and dream about what is possible.

# Contents

<b>1</b>	<b>Undergraduate Research Week Events</b>	<b>9</b>	<b>2024 Undergraduate Research Symposium</b>
<hr/>		<hr/>	
1	Research Workshops Undergraduate Research Week Edition	9	Event Map
<hr/>		<hr/>	
1	ACES Undergraduate Research Day	10	Oral Presentations
<hr/>		<hr/>	
1	Communication Undergraduate Research Event	10	On Exhibit
<hr/>		<hr/>	
2	MechSE Research Showcase	16	Posters
<hr/>		<hr/>	
2	Department of Political Science Honors and Awards Ceremony	45	<b>Image of Research Competition</b>
<hr/>		<hr/>	
2	NCSA Student Research Conference	47	<b>Celebrating Our Student Scholars</b>
<hr/>		<hr/>	
3	Illinois Scholars Undergraduate Research Program Research Expo	47	Research Support Grant
<hr/>		<hr/>	
6	AHS Undergraduate Research Expo	48	Conference Travel Grant
<hr/>		<hr/>	
6	Illinois Distributed Museum Tour	50	Maleiha Carino Foundation Scholarship for Cancer Research Advancement
<hr/>		<hr/>	
6	Cancer Center at Illinois Undergraduate Research Symposium	51	<b>Undergraduate Research Certificate Awardees</b>
<hr/>		<hr/>	
6	Parkland College Honors Program	52	<b>Undergraduate Research Apprenticeship Program 2024 Cohort</b>
<hr/>		<hr/>	
7	TRIO McNair Scholars Program	55	<b>Celebrating Our Research Mentors</b>
<hr/>		<hr/>	
7	Humanities Research Lab Showcase	58	<b>Partner Offices</b>
<hr/>		<hr/>	
7	Latina/Latino Studies Senior Symposium	58	National and International Scholarships
<hr/>		<hr/>	
7	10 <sup>th</sup> Annual Department of Economics Research Symposium	61	University Library
<hr/>		<hr/>	
7	Illinois Mathematics Lab Spring Poster Session	61	Writers Workshop
<hr/>		<hr/>	
8	Psychology Honors Poster Fair	62	<b>Supporting Undergraduate Research at Illinois</b>
<hr/>		<hr/>	
		62	<b>Invest in Scholars Today</b>
<hr/>		<hr/>	
		63	<b>Index</b>
<hr/>		<hr/>	
		72	<b>Thanks to Our Sponsors</b>
<hr/>		<hr/>	

# Undergraduate Research Week Events

## Research Workshops – Undergraduate Research Week Edition

All week

The Office of Undergraduate Research (OUR) regularly hosts workshops to support students in their undergraduate research journeys at the University of Illinois. As part of our celebration of Undergraduate Research Week, OUR will be conducting sections of our “Getting Started in Undergraduate Research” workshop and “Research to Resume” workshop. In collaboration with the National and International Scholarships Program, we are also offering a workshop titled “Where Can Research Take You.”

### Getting Started in Undergraduate Research Workshop

During this workshop, we will discuss the various forms of undergraduate research that take place on campus, guide students to develop a plan of action to locate research opportunities on campus and discuss ways to contact faculty research mentors.

**This workshop will take place on Monday, April 22, at 6:00 PM**

**For workshop location and registration, please visit:**  
[go.illinois.edu/OURWorkshops](https://go.illinois.edu/OURWorkshops)

### Research to Resume Workshop

During this workshop, we will discuss strategies to successfully communicate research skills and experiences through job, graduate school, and internship application documents.

**This workshop will take place on Tuesday, April 23, at 12:00 PM**

**For workshop location and registration, please visit:**  
[go.illinois.edu/OURWorkshops](https://go.illinois.edu/OURWorkshops)

## Where Can Research Take You?

You are invited to hear from the [National and International Scholarships Program](#) (NIS) about opportunities to continue your research (and earn funding) or to utilize your research experience as a launching pad to other (funded) opportunities. NIS assists high-achieving students in figuring out their pathways to doing great things; many students find that a nationally competitive scholarship allows them to reach for their loftiest goals. This online, 30-minute power session is designed to help you explore scholarship options that will further support your work.

**The session is open to undergraduates of all majors and will take place on Thursday, May 2, 11:00 AM – 1:30 PM**

**Register at:**  
[go.illinois.edu/WhereCanResearchTakeYouWorkshop](https://go.illinois.edu/WhereCanResearchTakeYouWorkshop)

## ACES Undergraduate Research Day

**College of Agricultural, Consumer and Environmental Sciences**

**Friday, April 12, 10:00 AM – 1:30 PM**

**ACES Library, Heritage Room  
1101 S Goodwin Ave, Urbana**

Undergraduate researchers from the College of ACES will be presenting their posters throughout this time. There will also be presentations by the National and International Scholarships Program, the Office of Undergraduate Research, and local James Scholar alumni. A few oral presentations of research may take place during the noon hour. Everyone is welcome to attend this annual event!

## Communication Undergraduate Research Event

**Department of Communication**

**Wednesday, April 17, 5:00 PM – 6:00 PM**

**Posters will remain on display until April 19, 3:00 PM**

**Lincoln Hall, Room 3001  
702 S Wright St, Urbana**

Our accomplished undergraduate students are showcasing their communication research experiences and projects during 2023-2024 academic year at our highly anticipated fourth annual research event. Made possible by the generous sponsorship of the Joe Wenzel Fund, this significant occasion is set to highlight the outstanding achievements

and creative pursuits with their faculty and graduate student mentors in the form of a poster presentation. A reception with in-person presentations will kick-off the event on Wednesday, and posters will remain on display until Friday for asynchronous interaction.

---

*Effects of Sexual Education Experiences and Personality on Sexual Communication Behaviors*

**Kristen Gates**, Senior, Psychology, LAS  
(Research Mentor(s): Emily Mendelson, Communication)

---

*The Influence of Politically Relevant Media Evaluations on Cognitive and Affective Outcomes*

**Chanel Ziegler**, Senior, Communication, LAS  
(Research Mentor(s): Stewart Coles, Communication)

---

*Mental Health and College Support*

**Jeremy Carroll**, Junior, Communication, LAS  
(Research Mentor(s): Ethan Morrow, Communication)

---

*Money for What?: Economic Arguments in Contemporary Reparations Rhetoric*

**Avery Martin**, Junior, Communication, LAS  
(Research Mentor(s): Wallace Golding, Communication)

---

*Social Media and Mental Health*

**Caroline Gu**, Junior, Communication, LAS  
(Research Mentor(s): Ethan Morrow, Communication)

---

*Black Hair Study*

**La La Smith**, Senior, Communication, LAS  
(Research Mentor(s): Déjà Rollins, Communication)

---

*The Intercommunication between Patient/Physician Using Accommodation Theory*

**William Monroe**, Junior, Communication, LAS  
**Aranya Adams**, Junior, Psychology, LAS  
(Research Mentor(s): Lisa Guntzviller, Communication & Lindsay Kelpinski, Communication)

---

*Relating Interest and Trust in Emerging Programmable Plant Systems (PPS)*

**Valerie Villaflor**, Senior, History, LAS  
**Sanat Hegde**, Senior, Psychology, LAS  
**Mag Shou**, Senior, Communication, LAS  
(Research Mentor(s): Cabral Bigman, Communication & Sarah Benevento, Communication)

---

## MechSE Research Showcase

**Department of Mechanical Science and Engineering**  
**Thursday, April 18, 1:30 PM – 4:30 PM**  
**Sidney Lu Mechanical Engineering Building, 1st Floor**  
**Hallway (Starbucks Area)**  
**1206 W Green St, Urbana**

Students of all levels will present their research through poster presentations in this first annual event. They will display their hard work to the rest of the department in a space geared toward feedback and growth as presenters.

*Designing and Building a Dynamic Soft Spring Model under Dynamic Equilibrium for Applications in Soft Robotics*

**Shreyas Malladi**, Freshman, Mechanical Engineering, ENG

---

*Ground State Energy of Hydrogen Using Variational Monte Carlo*

**Aman Jhurani**, Freshman, Engineering Mechanics, ENG

---

*A Novel Biosensor for Quantifying Traction Force and Stiffness in 3D Cell-ECM Tissues*

**Aja Phan**, Junior, Mechanical Engineering, ENG

---

*Radiative Cooling Thread Pulling*

**Juan Reynoso**, Senior, Mechanical Engineering, ENG

---

*Wrinkling-Resistant Dielectric Layers for Stretchable FETs*

**Grace Smith**, Senior, Mechanical Engineering, ENG

---

*Strain Engineering in MoS<sub>2</sub> Transistors*

**Sophia Litauszki**, Junior, Mechanical Engineering, ENG

---

*Pulsating Heat Pipes*

**Venkata Krishna Teja Kolla**, Sophomore, Mechanical Engineering, ENG

---

*Wake Steering of Turbines within Wind Farms - Experiments and Theoretical Modeling*

**Sumayyah Hussain**, Senior, Mechanical Engineering, ENG

---

*3D Printing for Sustainability*

**Rose Menichini**, Junior, Mechanical Engineering, ENG

---

*Character Based Head Design*

**Aidan Toscano**, Junior, Mechanical Engineering, ENG

---

## Department of Political Science Honors and Awards Ceremony

**Department of Political Science**  
**Saturday, April 20, 11:00 AM – 1:00 PM**  
**Hilton Garden Inn**  
**1501 S Neil St, Champaign**

Political science honors students will present poster sessions summarizing their thesis project. This is the culmination of a yearlong process in which students learn to design their research and work with a faculty adviser to complete a significant research project. We will also be honoring inductees to Pi Sigma Alpha, the political science honors society, and political science scholarship recipients.

---

## NCSA Student Research Conference

**National Center for Supercomputing Applications**  
**Tuesday, April 23, 3:00 PM – 6:30 PM**  
**NCSA Building, Main Lobby**  
**1205 W Clark St, Urbana**

Students will provide poster and/or oral presentations of their work, followed by a mixed industry/academia panel to answer student questions, then a networking opportunity with dinner provided.

## Illinois Scholars Undergraduate Research Program Research Expo

The Grainger College of Engineering

Tuesday, April 23, 3:00 PM – 5:00 PM

Illini Union Rooms A, B, C, and South Lounge

1401 W Green St, Urbana

The Grainger College of Engineering ISUR Program Research Expo showcases the various science and engineering projects our scholars and their mentors have been working on this year. ISUR is a two-semester, structured mentored research experience for undergraduate students in science and engineering. Through the learning-by-apprenticeship model, students learn about the research process, develop their research and technical communication skills, and gain experience needed for graduate school acceptance or research in industry.

Under the ISUR umbrella are the following programs: Clare Boothe Luce Research Program, DaRin Butz Foundation Research Program, and the Semiconductor Research Corporation Undergraduate Research Program.

This year, we also have presentations from students participating in other undergraduate research programs in Grainger Engineering: IBM-IL Discovery Accelerator Institute Undergraduate Research Experience and CS Student Ambassadors/Research Scholars.

### Clare Boothe Luce Research Scholars

*Treatment Trains Versus a Single-stage System: Synergies and Tradeoffs of Biochar-enhanced Woodchip Bioreactors Systems for Nutrient Pollutant Control*

**Audrey Frost**, Sophomore, Agricultural & Biological Engineering, ENG

*Topology Optimization for the Design of Photothermal Microtools*

**Mayura Kulkarni**, Senior, Electrical Engineering, ENG

*Air Light Guides for the HL-ZDC*

**Samantha Lund**, Senior, Physics, ENG

*Stair-Step Echelon Structure for Efficient THz Generation*

**Spoorthi Nibhanupudi**, Senior, Engineering Physics, ENG

*State Anxiety Detection and Monitoring Using Multimodal Wearables Sensors: Wear and RAD-wear Studies*

**Roshni Mathew**, Sophomore, Computer Engineering, ENG

*Aging and Puberty Blocker Impact on Testicular Cell State and Meiotogenic Fitness*

**Varshini Muruges**, Junior, Bioengineering, ENG

*A Hybrid Plasma – Electrocatalyst Activated Process for the Synthesis of Ammonia from Air and Water*

**Nitika Purohit**, Junior, Nuclear, Plasma & Radiological Engineering, ENG

*Tracking Chemotaxis as a Function of Epithelial Cell Clustering and Cancer Heterogeneity*

**Nicole Southey**, Bioengineering, Senior, ENG

*Investigating the Role of Storage Lipids in Yeast Longevity*  
**Lydia Taylor**, Senior, Materials Science & Engineering, ENG

*Microenvironmental Cues Affect Liver Organoid Formation*  
**Katie Zobus**, Sophomore, Bioengineering, ENG

### DaRin Butz Foundation Research Scholars

*Mapping Near-Earth Supernovae: Past and Future*  
**Kayleigh Excell**, Senior, Engineering Physics, ENG

*Plasma-assisted Degradation and Toxicity of Per- or Polyfluorinated Alkyl Substances (PFAS)*  
**Piper Fernau**, Sophomore, Nuclear, Plasma & Radiological Engineering, ENG

*Reducing Communication Energy for Data-Centric Computer Hardware*  
**Phyllis Wang**, Senior, Computer Science, ENG

### Semiconductor Research Corporation Undergraduate Research Program

*Co-designing Continual-Learning Edge Architectures*  
**Lorenzo Bujalil Silva**, Junior, Computer Engineering, ENG

*Electronic Devices Based on Two-Dimensional Materials*  
**Matilde Figueroa-Carrillo**, Junior, Electrical Engineering, ENG

*Strain Engineering in MoS<sub>2</sub> Transistors*  
**Sophia Litauszki**, Junior, Mechanical Engineering, ENG

*Discovering and Exploiting New Relations between Data Objects in Computer Programs*  
**Akash Pardeshi**, Senior, Computer Engineering, ENG

*Controlled Layer-by-Layer Thinning of 2D Ferroelectric In<sub>2</sub>Se<sub>3</sub>*  
**Maya Ramavarapu**, Sophomore, Mechanical Engineering, ENG

*Mnemonic Similarity Task (MST) Electroencephalography (EEG) Trigger Implementation in PsychoPy*  
**Navin Ranganathan**, Senior, Computer Engineering, ENG

*State Anxiety Detection and Monitoring Using Multimodal Wearables Sensors: Wear and RAD-wear Studies*  
**Amanda Schultz**, Sophomore, Mechanical Engineering, ENG

*Wrinkling-resistant Dielectric Layers for Stretchable FETs*  
**Grace Smith**, Senior, Mechanical Engineering, ENG

*Designing a GaN RF Front-end Circuit Using 140-nm AFRL GaN Technology*  
**Ethan White**, Senior, Electrical Engineering, ENG

*Fabrication of Metal Oxide Semiconductor Capacitors*  
**Sarah Wilson**, Sophomore, Electrical Engineering, ENG

*Using Backscatter-based Localization and RFID Tags' Phase Difference of Arrival to Create a Wearable Device that Tracks the Position of the Human Body*

**Corey Yin**, Junior, Electrical Engineering, ENG

---

## ISUR Scholars

*Developing a Method to Measure Battery Cathode Contact Resistances*

**Alex Ahmari**, Junior, Chemical Engineering, LAS

*A 3-Dimensional Hydrogel Model to Explore New Drug Treatment Strategies for Glioblastoma*

**Terence Amador**, Junior, Chemical Engineering, LAS

*Designing Flow Rate Sensors for Management of Hydrocephalus*

**Meghan Blomberg**, Sophomore, Bioengineering, ENG

*Boundary Layer of an Accelerating Wall*

**Banerian Coggan**, Junior, Mechanical Engineering, ENG

*Low-Pressure Design of All-Solid-State Li-Ion Batteries with Novel Halide Electrolytes*

**Daniel Cudzich**, Senior, Materials Science & Engineering, ENG

*Understanding Sex Differences in GBM Based on the Crosstalk between Microglia and GBM Cells*

**Ela Eames**, Senior, Chemical Engineering, LAS

*Natural Language Processing Inspired Approaches to Embedding Microbiomes*

**Nisha Janamanchi**, Junior, Bioengineering, ENG

*Formulation Development and Optimization of Pre-formed Insulin Deposits*

**Andrew Herbst**, Sophomore, Bioengineering, ENG

*System Design to Support Secure Pinned Memory for Userspace I/O*

**Neela Kausik**, Senior, Computer Engineering, ENG

*Fast Transport of Rb Atom Arrays*

**Healey Kogan**, Senior, Engineering Physics, ENG

*Development of Quick Connect Mechanisms for a Mobile Assistive Device*

**Amy Lang**, Senior, Mechanical Engineering, ENG

*Turning the Molecular Knobs of Plastics: A Study into Controlling PolyDCPD's Mechanical Properties by Influencing Molecular Topology*

**Andrew Lum**, Junior, Materials Science and Engineering, ENG

*Trophoblast Invasion – Using a Tissue Engineering Approach to Light up the Black Box*

**Sia Mittal**, Junior, Chemical and Biomolecular Engineering, LAS

*Investigating the Role of Hippocampal Cholinergic Signaling in Working Memory within Virtual Reality Environments*

**Eric Modesitt**, Junior, Computer Science, ENG

*Optimizing Methods for 3D-Bioprinting in vitro Hydrogel Models of Endometriosis*

**Rene Mohammadi**, Junior, Mechanical Engineering, ENG

*Impact of Hypoxia and Perivascular Niche-derived Conditioned Media on Hematopoietic Stem Cell Fate in Gelatin Hydrogels*

**Sydney Nelson**, Senior, Chemical Engineering, LAS

*Validating microRNA Concentrations in Prostate Cancer Cell Lines to Correlate with Prostate Cancer Stage*

**Trisha Patnaik**, Junior, Bioengineering, ENG

*In-Situ Referencing for Terahertz Time-Domain Spectroscopy in a Magnetic Field*

**Dominic Petruzzi**, Senior, Engineering Physics, ENG

*A Program Scheduler for Dynamic Use of Analog and Digital Processing-Using-Memory*

**Rahul Prabhu**, Senior, Computer Engineering, ENG

*Fabrication of DNA-Templated Nanowires*

**Samuel Rosner**, Sophomore, Physics, ENG

*Characterization of Novel Geopolymer Materials for Gamma, Fast Neutron, and Thermal Neutron Radiation Shielding*

**Markus Tam**, Senior, Physics, ENG

*Monte Carlo Studies to Prepare for Directed Flow Measurements with the New ATLAS RPD*

**Aryan Vaidya**, Senior, Physics, LAS

---

## IBM-Illinois Discovery Accelerator Institute URE Scholars

*Multiplicativity and Bounds of Bipartite Quantum States Geometric Measurement of Entanglement (GME)*

**Jerry Chang**, Junior, Physics & Computer Engineering, ENG

*Foundation Models for Generating Faithful Retrosynthetic Pathways and Experimental Procedures*

**Solana Chiu**, Sophomore, Materials Science & Engineering, ENG

*Implementing Parallel Methods for Parasol Motion Planning Library*

**Rodolfo Juarez**, Junior, Computer Science, ENG

**Jose Martinez**, Junior, Computer Science, ENG

*SR-IOV Aware & Weighted Round-Robin Scheduler for a SmartNIC*

**Marissa Lanz**, Junior, Computer Engineering, ENG

*Equal Velocity Multi-Robot Motion Planning*

**Luis Moran**, Senior, Computer Engineering, ENG

*User Interaction in Motion Planning*

**Ananya Kommalapati**, Senior, Computer Engineering, ENG



*Metrics and Structure of Two-Qubit POVM State Discrimination Circuits Using Variational Optimization*  
**Sean Ramirez**, Senior, Computer Engineering, ENG

---

*Testing User Experience for Ray and HAL through a Jupyter Notebook*  
**William Tegge**, Senior, Computer Engineering, ENG

---

*Optimization of GPU Communications in Multi-NIC Nodes*  
**Yu Li**, Senior, Computer Engineering, ENG

---

*TELEClass: Taxonomy Enrichment and LLM-Enhanced Hierarchical Text Classification with Minimal Supervision*  
**Ruozhen Yang**, Senior, Computer Science, ENG  
**Patrick Xu**, Senior, Computer Science, ENG

---

## CS Student Ambassadors/Research Scholars

*Pay to Play: Understanding Security and Ethics within the Document Sharing Ecosystem*  
**Mutmaina Adebayo**, Senior, CS + Philosophy, LAS

---

*Dialog Flow Induction for Constraining LLM-Based Chatbots*  
**Stuti Agrawal**, Senior, Computer Science, ENG  
**Nishi Uppuluri**, Sophomore, CS + Linguistics, LAS

---

*Exploring Topologies for Interconnect Optimization*  
**Melissa Aninagyei-Bonsu**, Sophomore, Computer Science, ENG  
**Mia Erdenebileg**, Senior, Computer Science, ENG

---

*An Analysis of Metagenomics Using k-mer Based Data Structures*  
**Aashvi Busa**, Freshman, Computer Science, ENG  
**Sherry Long**, Freshman, Computer Science, ENG

---

*TeamViz: A Tool for Assessing Team Process*  
**Kirsten Erin**, Sophomore, CS + Statistics, LAS

---

*Data Science Clicker*  
**Emily Ho**, Junior, CS + Geography & Geographic Information Science, LAS  
**Megan Ja**, Senior, CS + Economics, LAS

---

*Effectiveness of Programming Plans in Introductory Programmers*  
**Nicole Hu**, Freshman, CS + Economics, LAS

---

*Advancing Robotic Support for Individuals with Cognitive and Physical Disabilities*  
**Joanna Huang**, Senior, Computer Science, ENG

---

*Blackbox Project: Detecting Self-Inflicted Bias in Search Queries*  
**Helena Ilic**, Freshman, Computer Science, ENG

---

*Identifying Programming Plans: State of the Art, Challenges, and Opportunities*  
**Yoshee Jain**, Sophomore, Computer Science, ENG

---

*POINT VR: Developing Graphics for Gravity & General Relativity Simulations in Virtual Reality*  
**Anisha Jog**, Junior, Computer Science, ENG

---

*Cloneviz: Visualizing Tumor Clone Trees*  
**Divya Koya**, Junior, Computer Science, ENG

---

*Hate Speech in Twitter Timelines*  
**Esther Lee**, Junior, Statistics + CS, LAS

---

*Education about Security Risks in Sponsored YouTube Ads*  
**Sailaja Nallacheruvu**, Junior, Computer Science, ENG  
**Thea Surya**, Sophomore, Computer Science, ENG

---

*Hierarchical Annotated Skeleton-Guided Tree-based Motion Planning*  
**Keerthana Nallamotu**, Junior, Computer Science, ENG

---

*Analysis of Academic Testing Methods and Intrinsic Student Motivation*  
**Kajal Patel**, Sophomore, Computer Science, ENG

---

*Converting Query Method to use Motion Hypergraph*  
**Nikhila Puppala**, Junior, Computer Science, ENG

---

*Comparing Human Generated Text with Machine Generated Text*  
**Garima Sharma**, Senior, CS + Advertising, COM

---

*Leveraging LLMs to Learn New Languages*  
**Anushree Tibrewal**, Junior, Computer Science, ENG

---

*User Guidance Project: Integrating Robotics with VR*  
**Shreya Vinjamuri**, Junior, Computer Science, ENG

---

*A Look into Python Tutor for Helping Students Understand Code*  
**Amy Wang**, Sophomore, Computer Science, ENG  
**Firmiana Wang**, Freshman, Computer Science, ENG

---

*Global Crop Type Classification Mapping*  
**Jingtong Wang**, Sophomore, Computer Science, ENG

---

*Pseudocode Prompting for Large Language Models*  
**Nancy Wang**, Freshman, Mathematics + CS, LAS

---

*Reducing Communication Energy for Data-Centric Computer Hardware*  
**Phyllis Wang**, Senior, Computer Science, ENG

---

*On the Structure of Envy-Free Orientations on Graphs*  
**Annie Zeng**, Sophomore, Computer Science & Mathematics, ENG

---

*USPS: Universal Predicate Pushdown to Smart Storage*  
**Zora Zhang**, Junior, Computer Science, ENG

---

## AHS Undergraduate Research Expo

College of Applied Health Sciences  
 Wednesday, April 24, 2:00 PM – 3:30 PM  
 Huff Hall, 1st Floor  
 1206 S 4th St, Champaign

AHS undergraduate students will be displaying and discussing their research posters with faculty, staff, and students.

Come by to discover the exciting research our students are involved in. Feel free to ask questions of the students to learn more about their work.

## Illinois Distributed Museum Tour

Illinois Distributed Museum interns (enrolled in the History Department) will be leading tours around campus that talk about important innovations and innovators. This will be their final project for their semesterlong internship after completing archival research about these innovations.

### Astronomy Innovations at Illinois - Walking Tour

Wednesday, April 24, 3:00 PM – 4:30 PM  
 University Archives, Room 146 Main Library  
 1408 W Gregory Dr, Urbana

Join sophomore history and psychology student, Sophia, for a walking tour she created for the Illinois Distributed Museum. The tour will highlight astronomy-related innovations from the University of Illinois. This is a walking tour that will only have occasional places to sit and will last about an hour and a half.

Register at: [go.illinois.edu/AstronomyInnovations](https://go.illinois.edu/AstronomyInnovations)

Sophia Mitchell, Sophomore, History, LAS

## Cancer Center at Illinois Undergraduate Research Symposium

Cancer Center at Illinois  
 Thursday, April 25, 3:30 PM – 5:30 PM  
 Beckman Institute Atrium  
 405 N Matthews Ave, Urbana

Undergraduate students from CCIL programs or those working with CCIL faculty have created and are presenting posters highlighting the research to which they contributed. Undergraduates who have not yet participated in such experiences are strongly encouraged to attend the symposium to learn directly from their peers about the benefits and ways to get involved in undergraduate research.

## Parkland College Honors Program

Parkland College  
 Thursday, April 25, 11:00 AM – 1:00 PM  
 Parkland College, Room U-140  
 2400 W Bradley Ave, Champaign

Parkland College students have participated in Undergraduate Research Week at the University of Illinois at Urbana-Champaign since 2013, under the Ethnography of the University Initiative. This initiative has students use a variety of ethnographic, archival, and related methods to examine their home institutions. Starting in 2022, Parkland students doing course-embedded research continued this collaboration and participated in the symposium at their home institution hosted by Parkland's Honors Program. For the past two years, the Parkland Honors Symposium has also welcomed the participation of Psi Beta students, the Community College National Honors Society in Psychology.

### Where Parkland Students Come From

**Bruce Wacker**, Parkland College  
**David Bytnar**, Parkland College  
**Daniel Hogan**, Parkland College  
**Hogyi Xuan**, Parkland College

### Resources for Resourceful Students at Parkland College

**Li Richlin**, Parkland College  
**Sophia Bengston**, Parkland College  
**Sancea Malik**, Parkland College

### Parkland College: Where Our Paths Converge

**Lilie Amador-Rojas**, Parkland College  
**Linus Odenkirk**, Parkland College  
**Alexandria Ward**, Parkland College  
**Yahir Luna**, Parkland College

### Have You Taken Advantage of the Learning Commons at Parkland College?

**Margaret Flanagin**, Parkland College  
**Ha Yeon Kim**, Parkland College  
**Trezorann Moore**, Parkland College  
**Jeremy Partlow**, Parkland College

### Opportunities for Creativity at Parkland College

**Claire Markstahler**, Parkland College

### Second Language Acquisition at Parkland College

**Leyla Klein**, Parkland College

## Psi Beta Psychology Club, Parkland Honors Projects

*Sex-Related Differences and Gender-Related Disparities in ADHD: A New Enviro-Biopsychosocial Model*  
**Hannah Moore**, Parkland College

*The Necessity of a Holistic and Individualized Approach to ADHD Management for Females*  
**Hannah Moore**, Parkland College

*LEGO as an Education Tool in Middle Childhood*  
**Adam Skousen**, Parkland College

---

*Obsessive-Compulsive Disorder: Myths and Realities*  
**Chloe Byrd**, Parkland College

---

*Family Matters in Financial Matters: Developing Healthy Money Mindsets*  
**Austin Layette**, Parkland College

---

## 2024 Parkland Honors Program Graduates

**Chloe Byrd**, Parkland College  
**Joytu Chowdhury**, Parkland College  
**Alianna Mbanda**, Parkland College  
**Hannah Moore**, Parkland College  
**Nicole Powell**, Parkland College

---

## TRIO McNair Scholars Program

**Office of Minority Student Affairs**  
**Thursday, April 25, 6:00 PM – 8:00 PM**  
**Bruce D. Nesbitt African American Cultural Center,**  
**Multipurpose Room**  
**1212 W Nevada St, Urbana**

McNair scholars will showcase their undergraduate research projects, followed by a McNair alumni and participant panel discussion. This event is an opportunity to learn more about undergraduate research, graduate school attendance, and the McNair Scholars Program.

---

## Humanities Research Lab Showcase

**Humanities Research Institute**  
**Friday, April 26, 12:00 PM – 2:00 PM**  
**Levis Faculty Center, 2nd Floor (Room 210)**  
**919 W Illinois St, Urbana**

Students from the Humanities Research Lab Courses, SPAN 232, “Spanish in the Community,” led by Professor Ann Abbott, and HIST 202, “American Environmental History,” led by Professor Robert Morrissey, will present and reflect on the community-engaged research they undertook as part of their course. Humanities Research Labs are a collaboration between the HRI and the Office of Undergraduate Research and offer students an opportunity to participate in community-based research.

---

*Scholarship on Unaccompanied Minors*  
**Maia Clifford**, Sophomore, Psychology, LAS

---

*Unaccompanied Mayan Minors - Drivers for Migrating, Integration and Real-Life Stories*  
**Ivon Guzaro Cruz**, Freshman, Communication, LAS  
**Hora Behnejad**, Junior, Civil Engineering, ENG  
**Griffin McDonald**, Senior, Finance, BUS

---

*Unaccompanied Minors in the United States*  
**Heidy Araujo**, Junior, Communication, LAS  
**Natalia Rzepa**, Senior, Speech & Hearing Science, AHS

---

*A Historic Overview of Allerton Park and the Oakley Dam Controversy*  
**Josie Stanton**, Freshman, Earth, Society & Environmental Sustainability, LAS

---

## Latina/Latino Studies Senior Symposium

**Department of Latina/Latino Studies**  
**Saturday, April 27, 10:00 AM – 2:30 PM**  
**Levis Faculty Center, 3rd Floor (Room 300)**  
**919 W Illinois St, Urbana**

Latina/Latino Studies seniors will present their senior paper/honors theses. These presentations are the culmination of a year-long process in which students design and complete a significant research project. The department will also recognize LLS award recipients for the 2024-2025 academic year.

**Jesse Carmona**, Senior, Latina/Latino Studies, LAS  
**Jaelyn Castañeda**, Senior, Latina/Latino Studies, LAS  
**Anissa Degiulio**, Senior, Latina/Latino Studies, LAS  
**Jaredth Hernandez**, Senior, Latina/Latino Studies, LAS  
**Amayranet Mendoza Mota**, Senior, Latina/Latino Studies, LAS  
**Michelle Valerio**, Senior, Latina/Latino Studies, LAS

---

## 10<sup>th</sup> Annual Department of Economics Research Symposium

**Department of Economics**  
**Tuesday, April 30, 5:30 PM – 7:00 PM**

The Department of Economics conducts an Economics Research Symposium every spring. They are a valuable experience for Economics students who want to present research they have been working on during the academic year. Research projects are from independent studies, research courses, or any class where the student worked on a project, paper, or research. Some of the research is in the proposal form or will be ongoing, while others are completed projects.

**Zoom:** [go.illinois.edu/URWEconomics](https://go.illinois.edu/URWEconomics) (passcode: 925121)

---

## Illinois Mathematics Lab Spring Poster Session

**Department of Mathematics**  
**Thursday, May 2, 2:00 PM – 5:00 PM**  
**Illini Union, Room 314A**  
**1401 W Green St, Urbana**

Undergraduate research groups from the Illinois Mathematics Lab will present posters detailing their Spring 2024 work. This semester there are 55 students in 11 groups, representing a wide range of mathematical areas. Visitors are welcome to drop in at any time during the poster session.

---

*Paintability of Multipartite Graphs*  
**Braden Dean**, Senior, Computer Science, ENG  
**Tianyue Cao**, Senior, Mathematics + CS, LAS  
**Atlas Chen**, Junior, Mathematics, LAS  
**Amit Krishnaiyer**, Senior, Mathematics + CS, LAS  
**Arvind Murty**, Senior, Mathematics + CS, LAS  
(Research Mentor(s): Peter Bradshaw, Mathematics & Grace McCourt, Mathematics & Ramon Garcia Alvarez, Mathematics)

*Quantum Gates for Quantum Noise*

**Arjun Aggarwal**, Senior, Computer Science, ENG  
**Jihong Cai**, Senior, Mathematics, LAS  
**Ashmit Dutta**, Freshman, Computer Engineering, ENG  
**Divij Garg**, Sophomore, Mathematics, LAS  
**Minghao Shi**, Junior, Mathematics + CS, LAS  
**Stevie Ridens**, Senior, Mathematics, LAS  
 (Research Mentor(s): Marius Junge, Mathematics & Advith Govindarajan, Mathematics & Vincent Villalobos, Mathematics)

*Linear Poisson Structures and Their Cohomology*

**Xianhao An**, Senior, Mathematics, LAS  
**Luke Bielawski**, Senior, Mathematics, LAS  
**Gabe Lewis**, Junior, Mathematics, LAS  
**Uyen Nguyen**, Senior, Mathematics, LAS  
**Dmitriy Shvydkoy**, Senior, Mathematics, LAS  
**Xinyu Wang**, Senior, Physics, LAS  
 (Research Mentor(s): Florian Zeiser, Mathematics & Wonwoo Kang, Mathematics)

*Developing Inclusive Outreach Materials*

**Yuri Chen**, Junior, Mathematics, LAS  
**Chen-Wei Chou**, Senior, Mathematics, LAS  
**Jane Pak**, Senior, Mathematics, LAS  
**Anmol Shah**, Sophomore, Computer Engineering, ENG  
 (Research Mentor(s): Karen Mortensen, Mathematics & Ada Stelzer, Mathematics & Grace McCourt, Mathematics)

*Predictability and Competitiveness in Sports Leagues*

**Yihan Gao**, Junior, Engineering Undeclared, ENG  
**Sam Lam**, Junior, Mathematics, LAS  
**David Xia**, Freshman, Computer Science, ENG  
 (Research Mentor(s): A.J. Hildebrand, Mathematics & Bingyan Liu, Mathematics)

*Spatial Models of Evolutionary Dynamics*

**Jirui Liu**, Sophomore, Mathematics, LAS  
**Seokhwan Moon**, Senior, Mathematics, LAS  
**Ahmad Abdur Rahman**, Junior, Mathematics, LAS  
**Edwin Shen**, Sophomore, Mathematics + CS, LAS  
**Chenning Xu**, Sophomore, Mathematics, LAS  
**Tianyong Yao**, Sophomore, Physics, LAS  
 (Research Mentor(s): Daniel Cooney, Mathematics & Muhammad Raza, Mathematics)

*ColorTaiko!*

**Enson Gai**, Senior, Mathematics, LAS  
**Aditya Kshirsagar**, Sophomore, Computer Science + Astronomy, LAS  
**Kevin Liu, Junior**, Mathematics + CS, LAS  
**Anvitha Manepalli**, Junior, Computer Science + Statistics, LAS  
**Jeongjae Park**, Junior, Computer Science + Statistics, LAS  
**Aditya Ved**, Freshman, Mathematics + CS, LAS  
 (Research Mentor(s): Igor Mineyev, Mathematics & Manisha Garg, Mathematics & Aziz Bouland, Mathematics)

*Tennessee Traffic*

**Weijian Chen**, Junior, Mathematics, LAS  
**Weidai He**, Junior, Mathematics, LAS  
**David Li**, Senior, Mathematics, LAS  
**Neha Valavala**, Junior, Mathematics + CS, LAS  
 (Research Mentor(s): Richard Sowers, Industrial & Enterprise Systems Engineering & Karthik Vasu, Mathematics)

*Optimizing Capacities: What Shape Does Best When Adding a Dimension?*

**Chris Becraft**, Senior, Mathematics, LAS  
**Haoqi Chen**, Senior, Mathematics + CS, LAS  
**Yuan Qian**, Engineering Undeclared, ENG  
**Ben Taylor**, Junior, Mathematics + CS, LAS  
 (Research Mentor(s): Carrie Clark, Mathematics & Richard Laugesen, Mathematics & Qiuling Fan, Mathematics)

*Scattering Diagrams and Broken Lines*

**Matthew Leonardson**, Sophomore, Mathematics + CS, LAS  
**George White**, Junior, Mathematics + CS, LAS  
**Saibo Xu**, Senior, Mathematics, LAS  
**Yiheng Zhou**, Junior, Mathematics, LAS  
 (Research Mentor(s): James Pascaleff, Mathematics & Chengbin Zhu, Mathematics)

*Winter Spaces and the Stabilizer Formalism*

**Morgan Anderson**, Senior, Engineering Physics, ENG  
**Ben Booker**, Senior, Mathematics, LAS  
**Adrian Calinescu**, Junior, Computer Science, ENG  
**Naro Panjaitan**, Sophomore, Mathematics, LAS  
**Dheeran Wiggins**, Sophomore, Physics, ENG  
**Dilys Wu**, Senior, Mathematics, LAS  
 (Research Mentor(s): Roy Araiza, Mathematics & Yefei Zhang, Mathematics)

## Psychology Honors Poster Fair

Department of Psychology  
 Thursday, May 2, 3:00 PM – 5:00 PM  
 Psychology Atrium, Room 1005  
 603 E Daniel St, Champaign

Students from the Psychology Honors Program and the Capstone Undergraduate Research Program will present posters describing the research that formed the basis of their bachelor's thesis. This thesis, which is the culmination of at least two semesters spent working with a faculty advisor on a research project, is submitted to the department for consideration of graduation with distinction.

# 2024 Undergraduate Research Symposium

April 25, 2024

9:00 AM – 5:00 PM

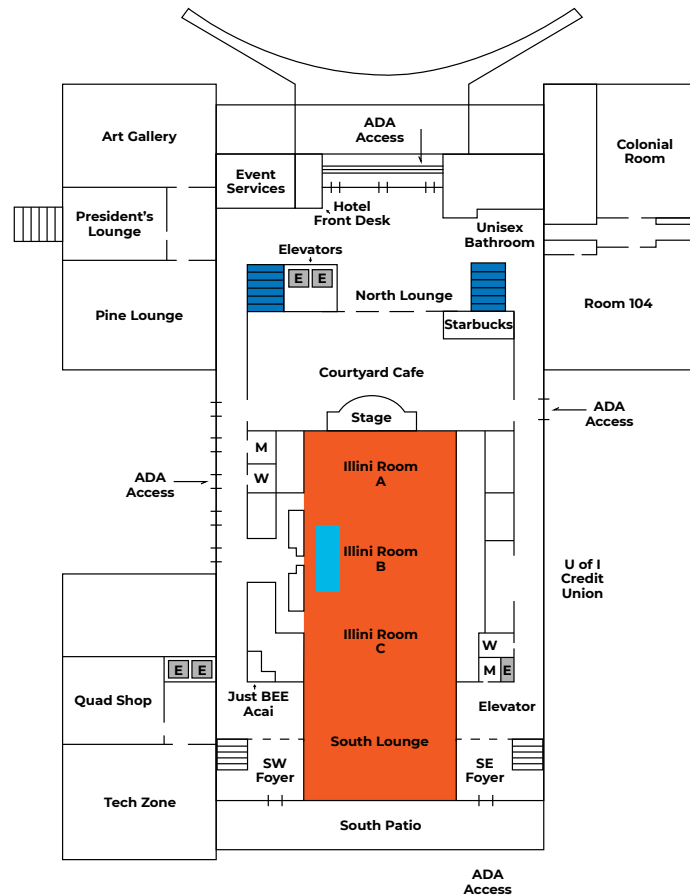
Illini Union

Posters in Illini Rooms, A, B, C & South Lounge

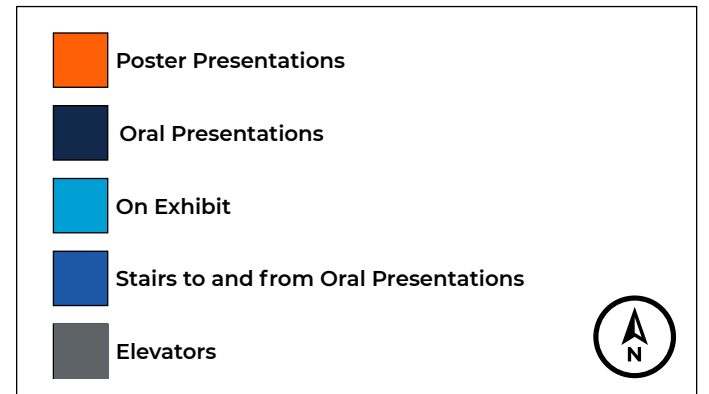
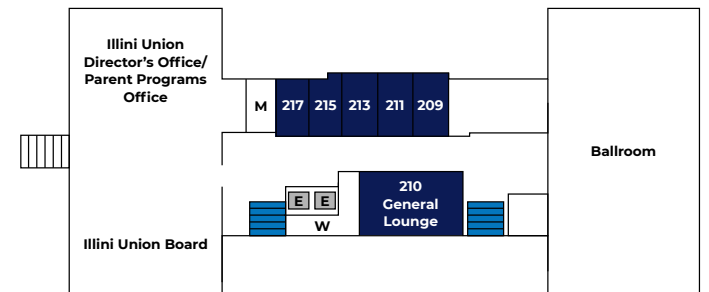
Oral Presentations on 2nd Floor

## Event Map

### Illini Union Main Level



### Illini Union Second Level



## On Exhibit

### Digital Storytelling & Learning

10:45 AM – 12:00 PM, Illini Room B

**1. Advancements in Real-Time Captioning for Engineering Education: ScribeAR**

**Himnesh Jain**, Junior, Computer Science, ENG  
**Yifan Zhu**, Junior, Mathematics + CS, LAS  
 (Research Mentor(s): Lawrence Angrave, Computer Science & Colin Lualdi, Physics)

**2. Immersive Learning Laboratory Presents: Learning Physics in Virtual Reality**

**Aidan Wefel**, Senior, Physics, ENG  
**Ayush Garg**, Junior, Electrical Engineering, ENG  
**Alex Shaffer**, Junior, Physics, ENG  
**Alyssa Huang**, Junior, Electrical Engineering, ENG  
**Tasho Madondo**, Junior, Computer Engineering, ENG  
 (Research Mentor(s): Raluca Ilie, Electrical & Computer Engineering)

**3. Master Dancer: Creating an Interactive Historical AI Avatar**

**Ashley Kim**, Junior, Information Sciences + Data Science, SIS  
**Krishna Damania**, Sophomore, Information Sciences + Data Science, SIS  
**Gwendolyn Slaughter**, Junior, Information Sciences + Data Science, SIS  
**Smriti Smriti**, Sophomore, Information Sciences + Data Science, SIS  
 (Research Mentor(s): John Toenjes, Dance)

**4. The Contemporary American Teenager as Told by Ethel Cain**

**Emily Redeker**, Junior, Psychology, LAS  
 (Research Mentor(s): Alexia Williams, Religion)

### Robots & Medical Technology

3:45 PM – 5:00 PM, Illini Room B

**1. Exploring Period Poverty in Sierra Leone**

**Nour Longi**, Junior, Journalism, COM  
**Stephanie Wayda**, Senior, Journalism, COM  
**Maggie Knutte**, Junior, Journalism, COM  
**Faith Lee**, Junior, Journalism, COM  
**Elena Cleary**, Junior, Agricultural Communications, ACES  
**Piper Pascarella**, Sophomore, Journalism, COM  
 (Research Mentor(s): Alison Davis, Journalism & Charles Stretch Ledford, Journalism)

**2. Integrating Voice Control with Electric Hospital Beds for Patients with Amyotrophic Lateral Sclerosis**

**Jaya Ganapathi**, Sophomore, Bioengineering, ENG  
**Zaahi Hussaini**, Sophomore, Mechanical Engineering, ENG  
**Avni Varshney**, Freshman, Bioengineering, ENG  
**Teddy Dulles**, Freshman, Bioengineering, ENG  
 (Research Mentor(s): Jenny Amos, Bioengineering)

**3. Pinto: A Tree-Jumping Robotic Squirrel**

**Christopher Xu**, Junior, Electrical Engineering, ENG  
**Jack Yan**, Senior, Mechanical Engineering, ENG  
 (Research Mentor(s): Justin Yim, Mechanical Science & Engineering)

**4. Soft Robotics Catheter Controlling Excess CSF in Hydrocephalus**

**Anya Maheshwari**, Sophomore, Bioengineering, ENG  
**Mudit Mehta**, Freshman, Electrical Engineering, ENG  
**Sally Kim**, Freshman, Neural Engineering, ENG  
**Suchir Baradwaj**, Sophomore, Bioengineering, ENG  
**Javier Espinosa De Los Monteros**, Junior, Bioengineering, ENG  
 (Research Mentor(s): Jenny Amos, Bioengineering)

**5. Stethopy: A Digital Stethoscope**

**Eric Wang**, Senior, Bioengineering, ENG  
**Sean Guno**, Sophomore, Bioengineering, ENG  
**Safiya Bhanpuri**, Sophomore, Computer Science, ENG  
**Anila Chundi**, Sophomore, Computer Science, ENG  
**Claire Hershenhouse**, Junior, Bioengineering, ENG  
 (Research Mentor(s): Jenny Amos, Bioengineering)

## Oral Presentations

### Access in Education: Strategies for Inclusive Spaces Across Disciplines

9:15 AM – 10:15 AM, Room 209

*Addressing DEIB in Entry-Level FSHN Courses*

**Eli Haldes**, Sophomore, Psychology, LAS  
 (Research Mentor(s): Toni Marie Gist, Food Science & Human Nutrition)

*Beyond Buildings: Designing and Maintaining Inclusive Classroom Laboratory Spaces for Accessibility*

**Natalie Taylor**, Senior, Molecular & Cellular Biology, LAS  
 (Research Mentor(s): Holly Golecki, Bioengineering)

*Latinos in the Writing Center*

**Zion Trinidad**, Junior, History, LAS  
 (Research Mentor(s): Carolyn Wisniewski, Center for Writing Studies & Jose de la Garza Valenzuela, Latina/Latino Studies)

### Contesting Narratives: Gender, Colonialism, and the Power of Representation

9:15 AM – 10:15 AM, Room 210

*Brahmins, Bayaderes, and Boulevards: The Representation of India on the French Musical Stage: 1852-1923*

**Justin Wytmar**, Junior, History, LAS  
 (Research Mentor(s): Anna Whittington, History)

*Colonialism as Liberal Identity in Charlotte Brontë's "Villette"*

**Nic Quero**, Senior, English, LAS  
 (Research Mentor(s): Siobhan Somerville, English and Gender & Women's Studies)

*The Political Implications of Queen Isabella's Sadness in Shakespeare's "Richard II"*

**Preston Thompson**, Senior, English, LAS  
 (Research Mentor(s): Siobhan Somerville, English and Gender & Women's Studies)

## Cells & Health

9:15 AM – 10:15 AM, Room 211

*Antagonistic Activity of Fulvestrant is Restored with the Combination Therapy of Acetyl-CoA Synthetase Inhibitor in Endocrine Therapy-Resistant Metastatic Breast Cancer Cells*

**David Dutton**, Senior, Molecular & Cellular Biology, LAS  
(Research Mentor(s): Ayça Mogol, Nutritional Sciences & Zeynep Madak-Erdogan, Food Science & Human Nutrition)

---

*CRISPR Based HIV Diagnostic Assay*

**Sneha Mittal**, Junior, Biochemistry, LAS  
(Research Mentor(s): Lucas Akin, Chemistry)

---

*RNA Isolation and Gene Expression of Enterendocrine Cell-Related Genes*

**Maya Patel**, Junior, Food Science & Human Nutrition, ACES  
(Research Mentor(s): Hong Chen, Food Science & Human Nutrition & Abroy Pramana, Food Science & Human Nutrition)

---

## From Picturebooks to Pandemics: Influences on Development across the Lifespan

9:15 AM – 10:15 AM, Room 213

*The Role of Ethnicity in Coping with COVID-19 Related Challenges: Implications for a Training Intervention*

**Yuxin (Ivy) Chen**, Senior, Psychology, LAS  
(Research Mentor(s): Florin Dolcos, Psychology & Sanda Dolcos, Psychology & Kelly Marie Hohl, Psychology)

---

*Mutual Responsive Orientation and Executive Function: Mediating Effect of Household Chaos*

**Ledan Yang**, Senior, Psychology, LAS  
(Research Mentor(s): Kelly Bost, Human Development & Family Studies & Samantha Iwinski, Human Development & Family Studies)

---

*Parents' Perceptions of Their Reading Habits in Shared Book Reading*

**Fong Ling Jessica Gu**, Senior, Psychology, LAS  
(Research Mentor(s): Jessica Montag, Psychology & Anastasia Stoops, Psychology)

---

## Machine Learning in Action

9:15 AM – 10:15 AM, Room 215

*Machine Learning of Electronic Couplings in Doped Organic Semiconductors*

**Aidan Lindsay**, Junior, Chemistry, LAS  
(Research Mentor(s): Nick Jackson, Chemistry & Chun-I Wang, Chemistry)

---

*Meta-Learning for Robust Visual Navigation in Agricultural Environments*

**Thomas Woehrle**, Junior, Computer Science, ENG  
(Research Mentor(s): Arun Narenthiran Sivakumar, Computer Science)

---

*Rigorous, Erudite and Learnable Large Language Model for Personalized Education*

**Qi Long**, Junior, Computer Engineering, ENG  
(Research Mentor(s): Volodymyr Kindratenko, National Center for Supercomputing Applications)

---

## The Research Process across Disciplines

9:15 AM – 10:15 AM, Room 217

*Linking Allerton Park and the University of Illinois to American Environmental Histories*

**Devin Manley**, Senior, History, LAS  
**Julie Matuszewski**, Senior, History, LAS  
(Research Mentor(s): Robert Morrissey, History)

---

*Overcoming Barriers: Recruitment Strategies for Older Latinos in Research*

**Jahaira Bustos**, Senior, Interdisciplinary Health Sciences, AHS  
(Research Mentor(s): Susan Aguiñaga, Kinesiology & Community Health & Diana Morales, Kinesiology & Community Health)

---

*Proposing an Accessible Bottom-Up Method for the Understanding of Qualitative Data in Engineering Design*

**Connor LaSalle**, Senior, Agricultural & Biological Engineering, ENG  
(Research Mentor(s): Ann-Perry Witmer, Agricultural & Biological Engineering & Emily Lawson-Bulten, Agricultural & Biological Engineering)

---

## Disease Biology & Dynamics

11:00 AM – 12:00 PM, Room 209

*"Is Grandpa's Flu Safer than Mine?": Characterizing the Role of NS Evolution in Modulating the Host Immune Response during Influenza Infection*

**Neeha Kakuturu**, Junior, Molecular & Cellular Biology, LAS  
(Research Mentor(s): Christopher Brooke, Microbiology & Joel Rivera Cardona, Microbiology)

---

*Modeling a Viral Epidemic with a Concurrent "Misinfodemic"*

**Dheeran Wiggins**, Freshman, Physics, ENG  
(Research Mentor(s): Anthony Solomonides, Endeavor Health Research Institute)

---

## From Embodied Narratives to Imagined Futures: Exploring Love, Madness, and Posthuman Utopias

11:00 AM – 12:00 PM, Room 210

*Love and Mania: An Arc between Deaths*  
**Avi Pellegrinetti**, Sophomore, Dance, FAA  
(Research Mentor(s): Betsy Brandt, Dance)

---

*Monk and Robot: Toward a Posthuman Utopia*

**Hannah Vondra**, Senior, English, LAS  
(Research Mentor(s): Lori Humphrey Newcomb, English)

---

## Mobility & Design

11:00 AM – 12:00 PM, Room 211

*Design of a Custom Sensing and Actuating Cushion for Use in Pressure Relief in Wheelchair Users*

**Jason Robinson**, Junior, Bioengineering, ENG  
**Anthony Cruz Macedo**, Senior, Electrical Engineering, ENG  
**Patricia Richards**, Freshman, Bioengineering, ENG  
 (Research Mentor(s): Holly Golecki, Bioengineering)

*Examining the Impacts of Sport-Specific Programs on Physical Literacy and Sports-Related Competencies for Adolescents with Physical Disabilities*

**Martha Szczepanski**, Sophomore, Kinesiology, AHS  
 (Research Mentor(s): Jenna Fesemyer, Recreation, Sport & Tourism)

*Personalized Unique Rolling Experience (PURE): The Future of Wheeled Mobility Devices*

**Kaitlin Skurnak**, Senior, Systems Engineering & Design, ENG  
 (Research Mentor(s): Deana McDonagh, (dis)Ability Design Studio & Adam Bleakney, Disability Resources & Educational Services)

## Navigating the Climate Crisis: Science, Storytelling and Policy

11:00 AM – 12:00 PM, Room 213

*Analysis of the Gap in Climate Action Efforts between EU Member States*

**Sarah Holland**, Senior, Global Studies, LAS  
 (Research Mentor(s): Konstantinos Kourtikakis, Political Science & David Schrag, Global Studies)

*Empowering Ecosystem Evaluation: Leveraging Citizen Science and Geospatial Insights*

**Nora Schnulle**, Junior, Agricultural & Biological Engineering, ENG  
 (Research Mentor(s): Luis Rodriguez, Agricultural & Biological Engineering)

*Warning a Warming World: Climate Change Messaging in the 21st Century (and Beyond)*

**Gabe Lareau**, Senior, English, LAS  
 (Research Mentor(s): Siobhan Somerville, English and Gender & Women's Studies)

## Redesigning Communication and Engagement in Education

11:00 AM – 12:00 PM, Room 215

*A Look at Professor-Student Communication*

**Xuan Ly**, Sophomore, Nutrition & Health, ACES  
 (Research Mentor(s): Toni Marie Gist, Food Science & Human Nutrition)

*Fostering Future Innovators: A Pedagogical Approach to Introduce Engineering Design and Robotics in Early Science Education*

**Lucy Cinnamon**, Junior, Bioengineering, ENG  
**Daniella Chapman-Rienstra**, Junior, Bioengineering, ENG  
 (Research Mentor(s): Holly Golecki, Bioengineering)

*Make Some Noise!: Creating Positive Sentiment for Louder, More Expressive Students*

**Cesar Espinoza**, Sophomore, Middle Grades Education, EDU  
 (Research Mentor(s): Stephanie Sanders-Smith, Curriculum & Instruction)

## Shaping Judgement: How Perceptions Influence Evaluation

11:00 AM – 12:00 PM, Room 217

*Candidate Differentiation between Political Parties*

**Kenneth Dolin**, Junior, Political Science, LAS  
**Lilly Griffith**, Junior, Political Science, LAS  
 (Research Mentor(s): Jeffery Mondak, Political Science & Matt Mettler, Political Science)

*Discussions of the YouTube Algorithm by New YouTubers*

**Antonia Pecoraro Hernandez**, Junior, English, LAS  
 (Research Mentor(s): John Gallagher, English)

*Queer Arab Americans' Perceptions of Western Queer Spaces and Belonging*

**Dhuha Wasfie**, Senior, Psychology, LAS  
 (Research Mentor(s): Jaime Derringer, Psychology & Eleanor Junkins, Psychology)

## Challenging Our Senses

12:30 PM – 1:30 PM, Room 209

*Single-Photon Vision: A Quantum Optics Lens on the Human Eye*

**Aarya Mehta**, Sophomore, Physics, ENG  
 (Research Mentor(s): Paul Kwiat, Physics)

*Task Instruction Affecting Visual Saliency and Eye Movements*

**Xiangteng Zhao**, Senior, Psychology, LAS  
 (Research Mentor(s): Alejandro Lleras, Psychology & Simona Buetti, Psychology)

*The Nose Knows: The Use Gas Chromatography-Olfactometry to Identify Odor Active Compounds*

**Charlotte Steuby**, Senior, Food Science & Human Nutrition, ACES  
**Rin Kishimoto**, Senior, Food Science & Human Nutrition, ACES  
**Nick Openbrier**, Senior, Food Science & Human Nutrition, ACES  
**Xiaoyue Shang**, Senior, Food Science & Human Nutrition, ACES  
 (Research Mentor(s): Keith Cadwallader, Food Science & Human Nutrition & Hui-Erh Chai, Food Science & Human Nutrition)

## Old Tales, New Forms: Storytelling across Media

12:30 PM – 1:30 PM, Room 210

*From Epic to Anime: Tracing the Evolution of the Tale of the Heike through Historical Adaptation*

**Daniel Bargon**, Senior, CS + Linguistics, LAS  
 (Research Mentor(s): Gian Piero Persiani, East Asian Languages & Cultures)



*Shifts in the Development of Fairy Tales in the Transition between Oral and Literate Cultures*

**John Bergmann**, Sophomore, Germanic Studies, LAS  
(Research Mentor(s): Laurie Johnson, Germanic Languages & Literature)

---

*The Bunraku Connection*

**Charlotte Howard-Check**, Junior, Theatre, FAA  
(Research Mentor(s): Kirsten Pullen, Theatre)

---

## From Individual to Collective: Redefining Narratives of Identity and Belonging

12:30 PM – 1:30 PM, Room 211

*Desaparecer: Defining and Expanding towards Travesti Livelihood*  
**Syd Mark**, Senior, Sociology, LAS  
(Research Mentor(s): Emi Frerichs, English and Gender & Women's Studies)

---

*Living in the Margins: Exclusion in Inclusive Spaces*

**Serena Jobi**, Junior, Econometrics & Quantitative Economics, LAS  
(Research Mentor(s): Joseph Coyle, Anthropology)

---

## Unraveling Neurological Mysteries

12:30 PM – 1:30 PM, Room 213

*Evaluating a CRISPR-Mediated Therapy for Alzheimer's Disease*  
**Tyler Smith**, Senior, Molecular & Cellular Biology, LAS  
(Research Mentor(s): Thomas Gaj, Bioengineering & Alejandra Zeballos, Bioengineering)

---

*Noncanonical Genomic Imprinting of Tyrosine Hydroxylase (Th) in the Nervous System Affects Social Behaviors*

**Anne-Farah Usman**, Senior, Molecular & Cellular Biology, LAS  
(Research Mentor(s): Paul Bonthuis, Comparative Biosciences)

---

*The Impacts of Sex on Gene Pathways of the Hypothalamus*

**Sreelaya Bhamidi**, Senior, Integrative Biology, LAS  
(Research Mentor(s): Sandra Rodriguez Zas, Animal Sciences)

---

## Unveiling the Extreme Universe: From Neutron Stars to Black Holes

12:30 PM – 1:30 PM, Room 215

*Predictions for Electromagnetic Counterparts to Neutron Star Mergers Discovered during LVK O4 and O5*

**Ved Shah**, Senior, CS + Astronomy, LAS  
(Research Mentor(s): Gautham Narayan, Astronomy)

---

*Self-Gravitating Neutron Star-Disks in General Relativity*

**Eric Yu**, Senior, Physics, ENG  
(Research Mentor(s): Antonios Tsokaros, Physics)

---

## Using Data for Social Change

12:30 PM – 1:30 PM, Room 217

*Comparing and Contrasting Co-Response Models: A Case Study of UIPD's REACH Team*

**Alina Loewenstein**, Junior, Psychology, LAS  
(Research Mentor(s): Rachel Garthe, Social Work & Madisyn Welsh, Social Work)

---

*Competition and Teacher Compensation within Illinois School Districts*

**Lucille Owen**, Freshman, Learning & Education Studies, EDU  
(Research Mentor(s): Paul Bruno, Education Policy, Organization & Leadership)

---

*The Financial Literacy of UIUC Students Taking ACE Courses Compared to the National Financial Literacy of College Students*

**Kelly Lanham**, Senior, Agricultural & Consumer Economics, ACES  
(Research Mentor(s): Paul Stoddard, Agricultural & Consumer Economics)

---

## Assistive Technology

2:15 PM – 3:15 PM, Room 209

*Assistive Technology for Older Adults with Hearing Disabilities Archival Analysis and Literature Review*

**Haseeb Rehman**, Senior, Interdisciplinary Health Sciences, AHS  
(Research Mentor(s): Megan Nickrent, Human Factors & Aging Laboratory & Wendy Rogers, Kinesiology & Community Health)

---

*Systematic Review on the Effects of Translation Technologies on Health Literacy in Adults*

**Emily Butryn**, Senior, Interdisciplinary Health Sciences, AHS  
**Olivia Burns**, Junior, Interdisciplinary Health Sciences, AHS  
**Sarah Hiestand**, Junior, Kinesiology, AHS  
**Blessing Nkezea**, Junior, Psychology, LAS  
(Research Mentor(s): Sean Mullen, Kinesiology & Community Health)

---

## In Pursuit of Liberation

2:15 PM – 3:15 PM, Room 210

*Sentiment and Irony: Rereading Abolition in Illinois Newspapers*

**Aaron Mukhopadhyay**, Junior, English, LAS  
(Research Mentor(s): Lori Humphrey Newcomb, English & Ryan Charles Cordell, English)

---

*The Path to Liberation: From Jainism to Secular Contexts*

**Ankith Desai**, Senior, Urban Studies & Planning, FAA  
(Research Mentor(s): Anna Tosato, Religion)

---

*The Tension between Christianity and Non-Normative Sexualities in James Baldwin's Writing*

**Ashley Basden**, Senior, English, LAS  
(Research Mentor(s): Siobhan Somerville, English and Gender & Women's Studies)

---

## Creating Belonging: Cultivating Queer Identities and Spaces

2:15 PM – 3:15 PM, Room 211

*A History of UIUC Queer Culture: Primary Sources and Oral History*

**Matthew Jenkins**, Senior, Landscape Architecture, FAA  
(Research Mentor(s): Siobhan Somerville, English and Gender & Women's Studies)

*Oral History Presentation*

**Katrina Phillips**, Junior, Gender & Women's Studies, LAS  
(Research Mentor(s): Siobhan Somerville, English and Gender & Women's Studies)

*An Examination of a Local Gender and Sexuality Alliance (GSA):  
Creating Accessible Resources for Schools*

**Fynn Levery**, Junior, Social Work, SSW  
**Noah Rawls**, Sophomore, Social Work, SSW  
(Research Mentor(s): Rachel Garthe, Social Work)

## From Pesticides to Pathogens: Understanding the Effects of Stress on Complex Ecologies

2:15 PM – 3:15 PM, Room 213

*Exploring Mechanisms Through Which Rhizobia Mediate Drought Tolerance*

**Destiny Gonzalez**, Senior, Biology, LAS  
(Research Mentor(s): Meghan Blaszyński, Plant Biology)

*Pesticides, Predators, and Parasites: Living in a Multi-Stressor World*

**Greta Keilman**, Senior, Integrative Biology, LAS  
(Research Mentor(s): Carla Cáceres, Evolution, Ecology & Behavior)

*Transgenerational Effects of Fungicide and Fungal Pathogen Exposure on *Daphnia dentifera**

**Allison Haab**, Senior, Integrative Biology, LAS  
(Research Mentor(s): Carla Cáceres, Evolution, Ecology & Behavior & Jeannette Cullum, Program in Ecology, Evolution & Conservation Biology)

## Optimizing Animal Production: Nutrition, Management, and Measurement

2:15 PM – 3:15 PM, Room 215

*Effects of Botanical Composition on Grazing System Management, Forage Quality, Forage Availability, and Ewe Performance*

**Emma Prybylski**, Senior, Animal Sciences, ACES  
(Research Mentor(s): Jennifer Earing, Animal Science, Illinois State University & Joshua McCann, Animal Sciences)

*Evaluation of Repeatability of Anogenital Distance Measured with Either a Caliper or Photogrammetry*

**Andres Olalde**, Senior, Animal Sciences, ACES  
(Research Mentor(s): Daniel Shike, Animal Sciences & Joshua McCann, Animal Sciences)

*Evaluating the Effects of Hind Gut Acidosis in Sheep on Rumen Fermentation Ex Vivo*

**Emma Prybylski**, Senior, Animal Sciences, ACES  
(Research Mentor(s): Joshua McCann, Animal Sciences & Haley Linder, Animal Sciences)

## Risk and Resilience: Understanding Factors that Influence Our Health

2:15 PM – 3:15 PM, Room 217

*Rooted in Empowerment: A Qualitative Exploration of Implementing a Culturally-tailored Community Gardening Program for African American Women Using the Black History Knowledge Model*

**Samaria Harris**, Senior, Kinesiology, AHS  
**Vanesu Jakachira**, Senior, Psychology, LAS  
(Research Mentor(s): Susan Aguiñaga, Kinesiology & Community Health & Imani Canton, Kinesiology & Community Health)

*Sex and Age of Exposure Have Varied Effects on Consummatory and Motivational Components of Anhedonia Induced by Methamphetamine Withdrawal*

**Joseph Caruana**, Senior, Brain & Cognitive Science, LAS  
(Research Mentor(s): Joshua Gulley, Psychology & Conor Strumberger, Psychology)

*The Moderating Role of Emotional Competence in the Effect of Need for Approval on Anxiety in Youth*

**Norah Yao**, Senior, Psychology, LAS  
(Research Mentor(s): Rebekah Clapham, Psychology & Karen Rudolph, Psychology)

## Cellular Processes

4:00 PM – 5:00 PM, Room 209

*Biochemical Characterization of Developmentally-Regulated GTPase Rbg2/Gir2 under Influence of K<sup>+</sup>*

**Jonathan Ouyang**, University High School  
(Research Mentor(s): Christopher Hawk, Biochemistry)

*Exploring the Mechanisms Responsible for the Mobilization of  $\beta$ -carotene Stores in Tissues*

**Theodorus Mikhael**, Junior, Molecular & Cellular Biology, LAS  
(Research Mentor(s): Jaime Amengual Terrasa, Food Science & Human Nutrition & Donald Molina Chaves, Food Science & Human Nutrition)

*Stress and Alignment Response to Curved Obstacles in Growing Bacterial Monolayers*

**Will Fahy**, Senior, Engineering Mechanics, ENG  
(Research Mentor(s): Gabriel Juarez, Mechanical Science & Engineering & Blake Langeslay, Physics)

## Decentering Political Narratives: Local Stories, Global Impacts

4:00 PM – 5:00 PM, Room 210

*A Historic Overview of Allerton Park and the Oakley Dam Controversy*

**Josie Stanton**, Freshman, Earth, Society & Environmental Sustainability, LAS  
(Research Mentor(s): Robert Morrissey, History)

*Disreputable Bedfellows: Image Cultivation, Ideology, and UNITA's Foreign Support*  
**William Doty**, Junior, History, LAS  
(Research Mentor(s): Anna Whittington, History)

*From Mosul to Montreux: Anglo-Turkish Relations and the Withdrawal of Empire*  
**Anthony Erkan**, Junior, History, LAS  
(Research Mentor(s): Anna Whittington, History & Stefan Djordjevic, History)

**Harnessing Technology for Animal Welfare and Sustainability**  
4:00 PM – 5:00 PM, Room 211

*Deep Learning Approach to Analyzing Cattle Gait as a Potential Indicator of Lameness*  
**Esmeralda Lopez Hernandez**, Senior, Animal Sciences, ACES  
(Research Mentor(s): Isabella Condotta, Animal Sciences & Luana Benicio, Animal Sciences)

*Development and Analysis of Deep Learning Based Individual Identification for Swine*  
**Noel Dunning**, Junior, CS + Animal Sciences, ACES  
(Research Mentor(s): Isabella Condotta, Animal Sciences)

*Predictive Behavior Identification of Grazing Cattle: An Essential of Future Farming*  
**Eva Chang**, Senior, Actuarial Science, LAS  
(Research Mentor(s): Isabella Condotta, Animal Sciences & Italo Lima, Animal Sciences)

**New Approaches in Mathematics**  
4:00 PM – 5:00 PM, Room 213

*AbductiveTP: Divide-and-conquer Planning in Theorem Proving as an Abductive Reasoning Gymnasium*  
**Zory Zhang**, Junior, Mathematics + CS, LAS  
(Research Mentor(s): Jiaxuan You, Computer Science)

*Approximating Eigenvalues of Linear Operators Using the Evans Function*  
**George Bayliss**, Freshman, Physics, ENG  
(Research Mentor(s): Jared Bronski, Mathematics)

*How Learning Influences Community Output*  
**Chenning Xu**, Freshman, Mathematics, LAS  
(Research Mentor(s): Daniel Cooney, Mathematics)

**Technology in Healthcare**  
4:00 PM – 5:00 PM, Room 215

*Grasp the Future*  
**Owen Harry**, Junior, Industrial Design, FAA  
**Shuoning Shi**, Junior, Industrial Design, FAA  
**Matt Ying**, Junior, Industrial Design, FAA  
**Ethan Zhou**, Senior, Electrical Engineering, ENG  
(Research Mentor(s): Carlos Araujo de Aguiar, Industrial Design)

*Topology Optimization for the Design of Photothermal Microtools*  
**Mayura Kulkarni**, Senior, Electrical Engineering, ENG  
(Research Mentor(s): Holly Golecki, Bioengineering & Thomas Golecki, Mechanical Science & Engineering)

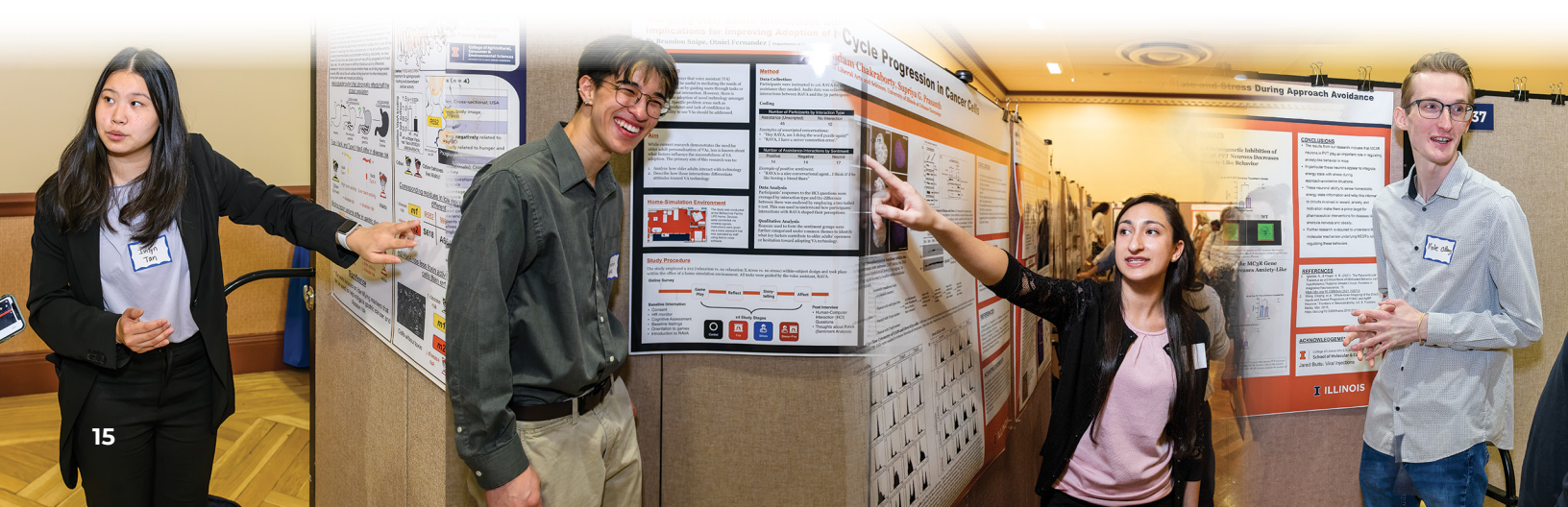
*Trusting an Assistive Robot: A Machine Learning Approach to Understanding the Impact of Robot Familiarity on an Older Adult's Perspective*  
**Saathveek Gowrishankar**, Sophomore, Computer Engineering, ENG  
(Research Mentor(s): Samuel Olatunji, Kinesiology & Community Health & Wendy Rogers, Kinesiology & Community Health)

**The Learning Ecosystem: Exploring Language, Education, and Family Dynamics**  
4:00 PM – 5:00 PM, Room 217

*Dynamic Referential Processing: Verb Meaning Shapes the Use of Situation Models*  
**Damian Ishak**, Senior, Psychology, LAS  
(Research Mentor(s): Cynthia Fisher, Psychology & Yukun Yu, Psychology)

*Enhancing Automated Grading in Computer Science: Strategies for Prairielearn Problem Construction*  
**Uchchukwu Uche-Ike**, Senior, Computer Science, ENG  
(Research Mentor(s): Lawrence Angrave, Computer Science)

*The Effect of Siblings on Language Input in the Home Book Reading Environment*  
**Taniya Boone**, Senior, Psychology, LAS  
(Research Mentor(s): Jessica Montag, Psychology)



## Posters

### PA – Humanities, Arts & Social Sciences

9:00 AM – 10:15 AM, Illini Room A

1. *Analysis on the Feasibility of Chasqui Journies as Described by Colonial Accounts*

**Robert Houston**, Freshman, Biology, LAS  
(Research Mentor(s): Kasia Szremski, Center for Latin American & Caribbean Studies)

3. *Benefits of Art Education in Elementary School*

**Franceska Twigg**, Senior, Art Education, FAA  
**Sophie Morgan**, Junior, Art Education, FAA  
**Kristina Huang**, Junior, Art Education, FAA  
**Ryan Green**, Senior, Art Education, FAA  
(Research Mentor(s): Jennifer Bergmark, Art & Design)

5. *Bullying in Central Illinois: A Mix of Rural and Urban*

**Emily Dailey**, Junior, Social Work, SSW  
(Research Mentor(s): Rachel Garthe, Social Work)

7. *Compare and Contrast: How Tutors Employ Discursive Strategies to Professional and Academic Writing over the Course of a Consultation*

**Emma Ortega**, Junior, English, LAS  
**Virginia Wright**, Junior, English, LAS  
(Research Mentor(s): Carolyn Wisniewski, Center for Writing Studies)

9. *Comparing Singers' Perceptions of Real and VR Performance Venues*

**Asritha Tunuguntla**, Sophomore, Speech & Hearing Science, AHS  
(Research Mentor(s): Pasquale Bottalico, Speech & Hearing Science)

10. *Does Forced-Choice Measurement Function Equivalently Across Race and Gender?*

**Ziqi Wang**, Senior, Psychology, LAS  
(Research Mentor(s): Bo Zhang, Psychology)

11. *Embracing Ambiguity in Low Concept Film Marketing*

**Molly Pfeifer**, Senior, Psychology, LAS  
(Research Mentor(s): Jenny Oyallon-Koloski, Media & Cinema Studies)

13. *Investigating the Null Subjects in Indonesian Passive and Object Voice*

**Audra Aurora Izzani**, Freshman, Computer Science, ENG  
(Research Mentor(s): Katie VanDyne, Spanish & Portuguese)

15. *No Laughing Matter: Late Night Jokes about Terrorism*

**Benjamin Pekay**, Senior, Political Science, LAS  
(Research Mentor(s): Scott Althaus, Political Science)

17. *Social Emotional Learning in Art Education at the Elementary Level*

**Ani Plambeck**, Junior, Art Education, FAA  
**Kristin Diaz**, Senior, Art Education, FAA  
(Research Mentor(s): Jennifer Bergmark, Art & Design)

19. *Echoes of Volatility: The Impact of Coup Attempts on Foreign Aid*

**Vedika Shah**, Freshman, Global Studies, LAS  
(Research Mentor(s): Do Young Gong, Political Science)

20. *The Mathematical Models of Altgeld Hall*

**Emily Gutknecht**, Senior, History, LAS  
(Research Mentor(s): Karen Mortensen, Mathematics)

21. *Understanding the Narratives surrounding Guaranteed Income*

**Illakia Ranjani**, Junior, Econometrics & Quantitative Economics, LAS  
(Research Mentor(s): Christopher Larrison, Social Work & Chelsea Birchmier, Psychology)

22. *Code-Switching and Null Subject Use in Korean-English Bilinguals*

**Hyeongseok Lee**, Freshman, Statistics, LAS  
(Research Mentor(s): Katie VanDyne, Spanish & Portuguese)

23. *What You Kan and Kannot Do: Deletions and Mergers of Grammatical Gender in Kannada*

**Sid Bhushan**, Senior, Computer Science & Linguistics, LAS  
(Research Mentor(s): Joshua Dees, Linguistics)

### PB – Science & Technology

9:00 AM – 10:15 AM, Illini Room A

25. *A Machine Learning Approach to Estimating External Forces during Handcycling*

**Matthew Lee**, Senior, Mechanical Engineering, ENG  
(Research Mentor(s): Griffin Sipes, Mechanical Engineering & Mariana Kersh, Mechanical Engineering)

26. *A New Monomer for Frontal Ring-Opening Metathesis Polymerization (FROMP)*

**Parmeet Kaur**, Senior, Chemistry, LAS  
(Research Mentor(s): Jacob Lessard, Chemistry & Jeffrey Moore, Chemistry)

27. *Activity-Based Nitric Oxide-Responsive Porphyrin for Site-Selective and Nascent Cancer Ablation*

**Ben Shapiro**, Junior, Biochemistry, LAS  
(Research Mentor(s): Suritra Bandyopadhyay, Chemistry)

28. *Cataloging Volcanic Structures on the Surface of Venus Using Machine Learning*

**Dominik Rzeszutek**, Senior, Geology, LAS  
(Research Mentor(s): Trish Gregg, Earth Sciences & Environmental Change & Matthew Head, Earth Sciences & Environmental Change)

29. *Characteristics of Micro-Jet Diffusion Flames*

**Duc Nguyen**, Freshman, Electrical Engineering, ENG  
(Research Mentor(s): Gautham Krishnan, Mechanical Science & Engineering)

30. *Comparative Efficacy of Note-taking and Drawing Strategies on Learning Outcomes in Undergraduate Chemistry Education*

**Christopher George**, Junior, Bioengineering, ENG  
(Research Mentor(s): Runzhi Chen, Educational Psychology & Jennifer Cromley, Educational Psychology)

**31. Low-Pressure Design of All-Solid-State Li-Ion Batteries with Novel Halide Electrolytes**

**Daniel Cudzich**, Senior, Materials Science & Engineering, ENG  
(Research Mentor(s): Carlos Juarez-Yescas, Chemistry & Paul Braun, Materials Science & Engineering)

---

**32. Enhancing Head-Fixed Mouse Behavioral Training: Investigating Sucrose Water Motivation and Its Impact on Auditory Processing**

**Kush Nandani**, Sophomore, Molecular & Cellular Biology, LAS  
(Research Mentor(s): Daniel Llano, Molecular & Integrative Physiology & Gang Liao, Molecular & Integrative Physiology)

---

**33. High-Throughput Bottlebrush Block Copolymer Synthesis for Accessing 3D Photonic Structures**

**Laszlo Dobra**, Freshman, Chemical Engineering, LAS  
(Research Mentor(s): Yash Laxman Kamble, Chemical & Biomolecular Engineering & Damien Guironnet, Chemical & Biomolecular Engineering)

---

**34. Investigating Starlink Interference in SPIDER's Field of View for CMB Observation**

**Suvinay Goyal**, Sophomore, Astrophysics, LAS  
(Research Mentor(s): Jeffrey Filippini, Physics)

---

**35. Linear Poisson Structure and Their Cohomology**

**Luke Bielawski**, Freshman, Mathematics, LAS  
**Dmitriy Shvydkoy**, Sophomore, Mathematics, LAS  
**Gabe Lewis**, Junior, Mathematics, LAS  
**Uyen Nguyen**, Senior, Mathematics, LAS  
**Xianhao An**, Senior, Mathematics, LAS  
**Yanzhihong Hu**, Junior, Mathematics, LAS  
(Research Mentor(s): Florian Zeiser, Mathematics & Woonwoo Kang, Mathematics)

---

**36. Metabolomic Separation and Quantification via CE-NanoESI-MS**

**Yash Nelavelli**, Sophomore, Biochemistry, LAS  
(Research Mentor(s): Jonathan Sweedler, Chemistry & Shuangshuang Chen, Chemistry)

---

**37. Optimizing Aluminum Resonators with Thermally Annealed C-plane Sapphire Substrates**

**Harshvardhan Mantry**, Senior, Physics, ENG  
(Research Mentor(s): Wolfgang Pfaff, Physics)

---

**38. Predicting Sound Source Location Using In Vivo Neural Population Data**

**Siyuan Wu**, Senior, Bioengineering, ENG  
(Research Mentor(s): Howard Gritton, Comparative Biosciences & Oliver Qu, Bioengineering)

---

**39. Shadows Don't Lie and Lines Can't Bend! Generative Models Don't Know Projective Geometry...for Now**

**Amitabh Mahapatra**, Junior, Computer Science, ENG  
(Research Mentor(s): David Forsyth, Computer Science)

---

**40. Speech Intelligibility with AirPods Pro**

**Tess Giddens-White**, Freshman, Speech & Hearing Science, AHS  
(Research Mentor(s): Yoonjee Sim, Speech & Hearing Science & Pasquale Bottalico, Speech & Hearing Science)

---

**41. Turning the Molecular Knobs of Plastics: A Study into Controlling PolyDCPD's Mechanical Properties by Influencing Molecular Topology**

**Andrew Lum**, Junior, Materials Engineering, ENG  
(Research Mentor(s): Edgar Mejia, Materials Science & Engineering)

---

**42. Understanding the Kinetics of Deconstructable pDCPD-co-DHF Resins through Frontal Polymerization**

**David Gora**, Junior, Engineering Technology & Management for Agricultural Systems, ACES  
(Research Mentor(s): Saurabh Bagare, Aerospace Engineering)

---

**43. Understanding the Lexicalization of Emotion in Poetry with Supervised Language Learning Models**

**Eesha Barua**, Senior, CS + Linguistics, LAS  
(Research Mentor(s): Jonathan Dunn, Linguistics)

---

**44. Understanding the Vascularization Timeline for an Improved Craniomaxillofacial Injury Model**

**Huamin Gao**, Junior, Chemical Engineering, LAS  
(Research Mentor(s): Brendan Harley, Chemical & Biomolecular Engineering & Grace Rubino, Chemical & Biomolecular Engineering)

---

**45. Unified Measurement of Virtual Reality Immersion for Older Adults**

**Noah Olivero**, Junior, Interdisciplinary Health Sciences, AHS  
(Research Mentor(s): George Mois, Human Factors & Aging Lab)

---

**46. URAP Project**

**Ruixin Li**, Junior, Mathematics, LAS  
(Research Mentor(s): Akshat Tripathi, Astronomy)

---

**47. Enabling High-Performance Fault Tolerant Communication Protocols in Safety-critical Computer Networks**

**Simon Xia**, Sophomore, Computer Engineering, ENG  
(Research Mentor(s): Ashish Kashinath, Computer Science)

---

**48. Evaluation of LLMs and Other ML Methods to Analyze Qualitative Survey Responses**

**Meghana Gopannagari**, Sophomore, Computer Science, ENG  
(Research Mentor(s): Hongye Liu, Computer Science)

---

## **PC – Health & Wellness**

**9:00 AM – 10:15 AM, Illini Room C**

**50. A Fall Prevention mHealth Application for Full-Time Wheelchair and Scooter Users: Focus Group with End-Users**

**MaryAnne Nguyen**, Junior, Chemistry, LAS  
(Research Mentor(s): Laura Rice, Kinesiology & Community Health & Sahel Moein, Kinesiology & Community Health)

---

**51. A Report on Health Care Access for African American Chronic Kidney Disease Patients and How Community Health Workers Can Improve It**

**Katie Hopkins**, Junior, Interdisciplinary Health Sciences, AHS  
**Norman Hernandez**, Senior, Kinesiology, AHS  
**Maya Ordaz**, Junior, Community Health, AHS  
(Research Mentor(s): Andiara Shwingel, Kinesiology & Community Health & Sadia Anjum Ashrafi, Kinesiology & Community Health)

**52. CARDIAI: Cardiovascular Assessment and Real-Time Diagnosis Using Artificial Intelligence**

**Kieran Thomas**, Junior, Biochemistry, LAS  
**Christopher George**, Junior, Bioengineering, ENG  
**Rishi Atreya**, Sophomore, Bioengineering, ENG  
**Govind Balakrishnan**, Sophomore, Bioengineering, ENG  
**Charvi Kasaboina**, Sophomore, Brain & Cognitive Science, LAS  
**Polina Ivanova**, Sophomore, Neuroscience, LAS  
**Michael Pantonja**, Sophomore, Molecular & Cellular Biology, LAS  
**Brendan Flahive**, Junior, Biochemistry LAS  
**Navi Singh**, Freshman, Neuroscience, LAS  
**Bilal Karim**, Junior, Neuroscience, LAS  
**Riya Kapoor**, Freshman, Political Science, LAS  
**Alan Mathew**, Freshman, Molecular & Cellular Biology, LAS  
**Maya Achettu**, Freshman, Molecular & Cellular Biology, LAS  
**Krishna Agarwal**, Sophomore, Molecular & Cellular Biology, LAS  
**Roop Rehal**, Sophomore, Molecular & Cellular Biology, LAS  
**Sruja Konada**, Sophomore, Kinesiology & Community Health, AHS  
 (Research Mentor(s): Paul Nguyen, Sudden Cardiac-Death Awareness Research Foundation)

**53. Advantages and Limitations of Dietary Assessment Methods**

**Karen Gutierrez**, Senior, Food Science & Human Nutrition, ACES  
 (Research Mentor(s): Hannah Holscher, Nutritional Sciences & David Alvarado, Nutritional Sciences)

**54. An Examination of Differences in Anxiety and Depression Levels across Primary Modes of Physical Activity**

**Farheen Ahmed**, Junior, Kinesiology, AHS  
 (Research Mentor(s): Steven Petruzzello, Kinesiology & Community Health & Jonathan North, Kinesiology & Community Health)

**55. Anxiety Status and Dietary Patterns among College Students: A Pilot Study**

**Samantha Golemba**, Junior, Dietetics & Nutrition, ACES  
**Anna Zlatic**, Sophomore, Dietetics & Nutrition, ACES  
**Nicoletta Spiliopoulos**, Sophomore, Undeclared, DGS  
**Avery Andersen**, Junior, Dietetics & Nutrition, ACES  
 (Research Mentor(s): Elizabeth Brandley, Nutritional Sciences)

**56. Associations between Environmental Health Literacy and Indoor PM Exposures among Families Living in Champaign-Urbana**

**Brianna Sirdich**, Senior, Interdisciplinary Health Sciences, AHS  
 (Research Mentor(s): Sheena Martenies, Kinesiology & Community Health & Alice Achieng Oloo, Kinesiology & Community Health)

**57. Associations between Healthy Eating Index and Adiposity among Children Living in Champaign-Urbana**

**Maria Myers**, Junior, Chemistry, LAS  
 (Research Mentor(s): Sheena Martenies, Kinesiology & Community Health)

**58. Challenges and Solutions in Engaging in Entertainment Events for Late-Deafened Older Adults: An Archival Analysis**

**Maya Dye**, Senior, Speech & Hearing Science, AHS  
 (Research Mentor(s): Erin Heniff, Speech & Hearing Science & Wendy Rogers, Kinesiology & Community Health)

**59. Comparison between Craving Level and Adherence to Strategies among Age Groups in Participants Enrolled in Weight Loss Program**

**Bennett Duggan**, Junior, Dietetics & Nutrition, ACES  
**Angelika Brzozewski**, Senior, Interdisciplinary Health Sciences, AHS  
 (Research Mentor(s): Nouf Alfouzan, Food Science & Human Nutrition)

**60. Depression Status and Dietary Patterns among College Students: A Pilot Study**

**Annamarie Zlatic**, Sophomore, Dietetics & Nutrition, ACES  
**Nicoletta Spiliopoulos**, Sophomore, Undeclared, DGS  
**Samantha Golemba**, Junior, Dietetics & Nutrition, ACES  
**Avery Andersen**, Junior, Dietetics & Nutrition, ACES  
 (Research Mentor(s): Elizabeth Brandley, Nutritional Sciences)

**61. Exploring the Impact of Diversity, Equity, and Inclusion Factors on the Recognition and Value of Contributions of Students in Undergraduate Academic Environments**

**Angeli Gargoles**, Senior, Integrative Biology, LAS  
**Nayanika Madhav**, Sophomore, Molecular & Cellular Biology, LAS  
 (Research Mentor(s): Toni Marie Gist, Food Science & Human Nutrition)

**62. Don't Throw it Out Yet: Assessing the Viability of Past Shelf-life University of the Pennsylvania Smell Identification Test (UPSIT)**

**Lauren Crowe**, Senior, Food Science & Human Nutrition, ACES  
 (Research Mentor(s): Jessica Nicanor-Carreón, Nutritional Sciences & Yanina Pepino, Food Science & Human Nutrition)

**63. Effects of Black Soldier Fly Larvae on the Fecal Characteristics and Metabolites of Healthy Adult Cats**

**Kendall Crackel**, Junior, Animal Sciences, ACES  
 (Research Mentor(s): Kelly Swanson, Animal Sciences & Patricia Massae Oba, Animal Sciences)

**64. Emotional Perceptions: Comparing and Contrasting Misophonia and Hyperacusis**

**Elenna Claudio-Deutsch**, Junior, Interdisciplinary Health Sciences, AHS  
 (Research Mentor(s): Fatima Husain, Speech & Hearing Sciences & Namitha Jain, Speech & Hearing Sciences)

**65. Familial COVID-19 Stress and Infant Temperament through the Lens of Socioeconomic Status**

**Regina Lapitsky**, Sophomore, Human Development & Family Studies, ACES  
**Cate Lepinskas**, Freshman, Brain & Cognitive Science, LAS  
**Lizbeth Ramos**, Sophomore, Interdisciplinary Health Sciences, AHS  
**Abigail Islas**, Sophomore, Psychology, LAS  
**Hellen He**, Freshman, Business Undeclared, BUS  
**Tianshuo Chen**, Sophomore, Psychology, LAS  
 (Research Mentor(s): Nancy McElwain, Human Development & Family Studies)

**66. Fiber Utilization for Energy and Life (FUEL): Investigating the Effects of a High Fiber Cereal on Fecal Bacterial Loads Using PCR**

**Amal Rahman**, Junior, Community Health, AHS  
 (Research Mentor(s): Hannah Holscher, Food Science & Human Nutrition & Nadine Veasley, Food Science & Human Nutrition)

**67. Fire Readiness in Wheelchair and Scooter Users (FEW)**

**Grace Nguyen**, Junior, Kinesiology, AHS  
 (Research Mentor(s): Laura Rice, Kinesiology & Community Health & Ziwei Li, Kinesiology & Community Health)

**68. How Fiber from Avocados Effects Individuals Gastrointestinal Health**

**Allanah Martin**, Junior, Nutrition & Health, ACES  
 (Research Mentor(s): Maggie Oleksiak, Food Science & Human Nutrition & Hannah Holscher, Food Science & Human Nutrition)

**69. Impacts of Climate Change on Access to Healthcare among Vulnerable Populations: A Scoping Review of Health Disparities and Access Issues**

**Victoria Ferrara**, Junior, Social Work, SSW  
**Ainslee Wong**, Senior, Psychology, LAS  
 (Research Mentor(s): Tuyet-Mai Ha Hoang, Social Work)

**70. Interrupting Sitting with Moderate-to-Vigorous Physical Activity Improves Inhibitory Control in Adults with Overweight and Obesity**

**Neha Bashir**, Junior, Molecular & Cellular Biology, LAS  
 (Research Mentor(s): Dominka Pindus, Kinesiology & Community Health)

**71. Interrupting Sitting with Physical Activity Bouts Does Not Affect Working Memory or Postprandial Glycemic Response in Overweight and Obese Adults**

**Lauryn Pickerill**, Senior, Molecular & Cellular Biology, LAS  
 (Research Mentor(s): Dominika Pindus, Kinesiology & Community Health)

**72. Investigating the Role of Cochlear Synaptopathy in Hidden Hearing Loss**

**Sarika Kumar**, Senior, Molecular & Cellular Biology, LAS  
 (Research Mentor(s): Benjamin Auerbach, Molecular & Integrative Physiology & Noelle James, Molecular & Integrative Physiology)

**73. Literature Review on Impacts of Covid-19 Related Fear and Anxiety on Healthcare Workers' Substance Use**

**Savannah Guzman**, Sophomore, Community Health, AHS  
 (Research Mentor(s): Rachel Hoopsick, Kinesiology & Community Health)

**74. Metabolic and Microbial Effect of Walnut Consumption in Adults with Obesity: A Complete Feeding Intervention**

**Julie Mathews**, Senior, Molecular & Cellular Biology, LAS  
 (Research Mentor(s): Hannah Holscher, Food Science & Human Nutrition & Marahi Pérez-Tamayo, Nutritional Sciences)

**75. Quality Assessment and Preliminary Review in a Systematic Literature Review Examining the Role of Health in Nutrition Interventions for Cardiovascular Disease**

**Bryonic Mandal**, Senior, Interdisciplinary Health Sciences, AHS  
**Ralitsa Vassileva**, Senior, Interdisciplinary Health Sciences, AHS  
 (Research Mentor(s): Kristen DiFilippo, Kinesiology & Community Health)

**76. The Effect of Arabic Gum on Bitter Taste Perception**

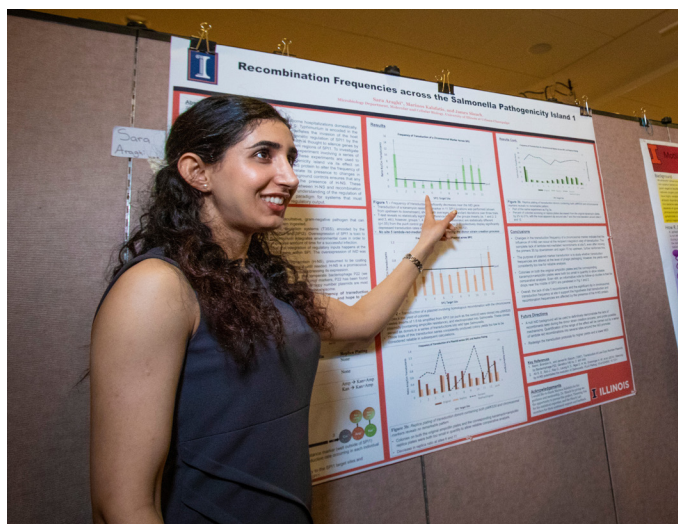
**Michelle Zhu**, Junior, Food Science & Human Nutrition, ACES  
 (Research Mentor(s): Leah Hall, Nutritional Sciences & Yanina Pepino, Food Science & Human Nutrition)

**77. The Effect of Oxidative Stress Sensitivity on BPA Toxicity in *Caenorhabditis Elegans***

**Rachel Miller**, Sophomore, Integrative Biology, LAS  
**Sylvia Gimbel**, Sophomore, Mathematics, LAS  
 (Research Mentor(s): Eva Fischer, Evolution, Ecology & Behavior)

**78. The Influence of Sex on Periarticular Scapular Morphology**

**Greta Pearl**, Junior, Kinesiology, AHS  
**Katie Naveja**, Sophomore, Kinesiology, AHS  
 (Research Mentor(s): Josh Leonardis, Kinesiology & Community Health & Whitney Wolff, Kinesiology & Community Health)



**79. The Short and Long-term Effects of Reducing Sitting on Cognitive Function, Brain Function and Structure: A Systematic Review and Meta-Analysis**

**Ayumi Yonezawa**, Senior, Molecular & Cellular Biology, LAS  
 (Research Mentor(s): Dominika Pindus, Kinesiology & Community Health)

**80. The Sleep Health of Individuals with Visual Impairments: A Scoping Review**

**Grace Kim**, Senior, Interdisciplinary Health Sciences, AHS  
 (Research Mentor(s): Soyoung Choi, Kinesiology & Community Health)

**81. Vocal Effort in Dining Halls to Optimize Speech Intelligibility**

**Kate Harty**, Freshman, Speech & Hearing Science, AHS  
 (Research Mentor(s): Xiyu Li, Speech & Hearing Science & Pasquale Bottalico, Speech & Hearing Science)

## **PD – Social Science & Behavior**

**9:00 AM – 10:15 AM, South Lounge**

**85. "I'm Just a Bill" : The Impact of Civic Education on Democratic Engagement**

**Vindhya Kalipi**, Senior, Political Science, LAS  
 (Research Mentor(s): Jeffery Mondak, Political Science)

**86. An Analysis of Russia's National Interests and the OSCE's Reactions during Russia's War in Ukraine: A Study of International Relations Theories in Practice**

**Natalia Crane**, Senior, Political Science, LAS  
 (Research Mentor(s): Robert Pahre, Political Science)

**87. Assessing the Impact of the Safe Motherhood Program on Maternal Health and Child Mortality in the Philippines**

**Minseo Cho**, Freshman, Finance, BUS  
 (Research Mentor(s): Abigail Stocker, Economics)

**88. Correlations between Workplace Racial/Ethnic Discrimination and Mental Health and Substance Use among US Healthcare Workers of Color**

**Uwamahoro Sophie**, Senior, Interdisciplinary Health Sciences, AHS  
 (Research Mentor(s): Rachel Hoopsick, Kinesiology & Community Health)

**89. Developing Mindfulness-Based Intervention Based on Experiences of Postpartum Depression and Pain**

**Anjali Patel**, Senior, Interdisciplinary Health Sciences, AHS  
(Research Mentor(s): Sandraluz Lara-Cinisomo, Kinesiology & Community Health)

---

**90. Examination of the Relationship between Substance Use, Recreational Psychedelic Mushroom Use, and Ego-Dissolution among Young Adults**

**Annis Byram**, Junior, Psychology, LAS  
(Research Mentor(s): Walter James Venerable III, Psychology)

---

**91. Examining How Family Law Attorneys Screen for Coercive Control in Child Custody Cases: A Thematic Analysis**

**Lillian Knetl**, Senior, Human Development & Family Studies, ACES  
(Research Mentor(s): Maya Carter, Human Development & Family Studies & Jen Hardesty, Human Development & Family Studies)

---

**92. Examining the Contagion Effect in Information Diffusion Cascades**

**Danish Singh Sethi**, Sophomore, Computer Science, ENG  
**Priyanka Jakka**, Sophomore, Computer Science, ENG  
**Audric Serador**, Freshman, Computer Science, ENG  
(Research Mentor(s): Maggie Zhang, Computer Science)

---

**93. Exploratory Analysis of Forgoing Trips from the 2022 National Household Travel Survey**

**Jeremy Septon**, Sophomore, Economics, LAS  
(Research Mentor(s): Amanda Merck, Urban & Regional Planning)

---

**94. Growth Emotion Mindset Interventions Buffer Against Anxiety and Depression for Girls in Negative Family Contexts**

**Mateen Rosenblum**, Senior, Psychology, LAS  
(Research Mentor(s): Erin Wood, Psychology & Karen Rudolph, Psychology)

---

**95. Identities at Work in Opioid Management Conversations between Internal Medicine Residents and Standardized Patients**

**Sarah Blyskal**, Sophomore, Community Health, AHS  
(Research Mentor(s): Sara Babu, Communication & Lisa Guntzwiller, Communication)

---

**96. What Shapes Public Attitudes towards Immigration? The Role of Perceived Threat and Personality**

**Jaelyn Hudson**, Sophomore, Psychology, LAS  
(Research Mentor(s): Rebeca Agosto Rosa, Political Science)

---

**97. Implications of Performance on Heart Rate Variability: Exploring Differences between Clinical and Non-Clinical Groups**

**Meher Swamy**, Sophomore, Neuroscience, LAS  
(Research Mentor(s): Maya Marder, Psychology & Haley West, Psychology)

---

**98. Intrinsic Motivation of Women in STEM Learning: A Self-Determination Theory Perspective**

**Aparajita Vemuri**, Senior, Psychology, LAS  
(Research Mentor(s): Amos Jeng, Educational Psychology & Michelle Perry, Educational Psychology)

---

**99. Mental Health and College Support**

**Jeremy Carroll**, Junior, Communication, LAS  
(Research Mentor(s): Ethan Morrow, Communication)

---

**100. Parental Depressive Symptoms: Associations with Child Negative and Positive Emotionality**

**Sophia Mei**, Junior, Molecular & Cellular Biology, LAS  
**Chloe Lee**, Sophomore, Information Sciences, SIS  
**Kathy Le**, Junior, Psychology, LAS  
(Research Mentor(s): Nancy McElwain, Human Development & Family Studies)

---

**101. Prenatal Exposure to Phthalate Mixture (PHT MIX) and Sociosexual Behavior in Mice**

**Nikhil Kanduri**, Senior, Integrative Biology, LAS  
(Research Mentor(s): Megan Mahoney, Comparative Biosciences & Jake Maxon, Neuroscience Program)

---

**102. Prior Methamphetamine Exposure Induces Altered Drug Taking Behaviors in Female Rats Exposed during Adolescence Compared to Adults**

**Nina Hoffman**, Senior, Psychology, LAS  
(Research Mentor(s): Joshua Gulley, Psychology & Lauren Carrica, Psychology)

---

**103. Psychological Well-Being on Adolescent Loneliness during the COVID-19 Pandemic: Examining Anxiety, Post-Traumatic Stress (PTS), Depression, and Aggression**

**Roqaya Al-Dhufari**, Senior, Integrative Biology, LAS  
(Research Mentor(s): Jae Wan Choi, Psychology & Joseph Rich Cohen, Psychology)

---

**104. Resting State EEG and Behavioral Performance on Inhibitory Control in Cognitively Normal Older Adults**

**Jaya Ashrafi**, Junior, Brain & Cognitive Science, LAS  
(Research Mentor(s): Raksha Mudar, Speech & Hearing Science)

---

**105. Shareholder Revolution and Transformation of Innovation Strategies in the US**

**Larry Peng**, Senior, CS + Economics, LAS  
(Research Mentor(s): Yusaku Takeda, Business Administration)

---

**106. Shifts in Framing and Perceptions of Experience and Agency**

**Maelys Cadot**, Freshman, Psychology, LAS  
**Charlie Cervenka**, Freshman, Psychology, LAS  
**Matthew Horvat**, Junior, Psychology, LAS  
**Felixandro Gonzalez**, Sophomore, Psychology, LAS  
**Mariam Mohamednor**, Sophomore, Psychology, LAS  
**Max Snyder**, Freshman, Undeclared, LAS  
**Soro Ung**, Freshman, Psychology, LAS  
**Reese Murphy**, Junior, Psychology, LAS  
**Isabella Uriarte**, Sophomore, Psychology, LAS  
(Research Mentor(s): Chadly Stern, Psychology & Yarden Ashur, Psychology)

---

**107. Stance Detection on Historical Newspapers – A Systematic LLM Procedure with a Test Case of “Morrill Tariff”**

**Yifan He**, Senior, Economics, LAS  
(Research Mentor(s): Markus Lampe, Vienna University of Economics and Business)



**108. *Storytelling as a Pedagogic Method to Promote Cultural Humility at a Student-Run Free Clinic***  
**Ryiah Barnes**, Senior, Community Health, AHS  
(Research Mentor(s): Margarita Terán-García, Nutritional Sciences)

---

**109. *Testing Speech Intelligibility Using Firefighter's Two-Way Radios***  
**Abrahám Chávez**, Sophomore, Speech & Hearing Science, AHS  
**Shaun Gillespie**, Freshman, Speech & Hearing Science, AHS  
**Megan Stemm**, Junior, Speech & Hearing Science, AHS  
(Research Mentor(s): Mary Flaherty, Speech & Hearing Science & Tania Aguilar, Speech & Hearing Science)

---

**110. *The Price of Bullying: The Impact of Peer Victimization on Adolescent Social Goals***  
**Eleanor Laufenberg**, Academy High School  
(Research Mentor(s): Erin Wood, Psychology & Karen Rudolph, Psychology)

---

**111. *The Repercussions of Extremist Groups on Intraparty Attitudes***  
**Daniela Marin**, Senior, Political Science, LAS  
(Research Mentor(s): Jacob Bowers, Political Science)

---

**112. *Understanding the Content Moderation Habits of Extreme Political Content on TikTok***  
**Faith Dahman**, Senior, Political Science, LAS  
(Research Mentor(s): Aleksander Ksiazkiewicz, Political Science & James Steur, Political Science)

---

**113. *Unveiling Political Leanings in Corporate Dialogue***  
**Jehyeok Yeon**, Sophomore, CS + Linguistics, LAS  
(Research Mentor(s): Yusaku Takeda, Business Administration)

---

**114. *Severe Storms – Their Influence on Public Perception and Policy Support***  
**Deyu Zhang**, Senior, Econometrics & Quantitative Economics, LAS  
(Research Mentor(s): Ji Soo Yoo, Political Science)

---

**115. *Foreign Political Entertainment's Political Influence on Domestic Audience***  
**Xinyue Chen**, Junior, Political Science, LAS  
(Research Mentor(s): Shuyuan Shen, Political Science)

---

## PE – Nature, Life & Environment

10:45 AM – 12:00 PM, Illini Room A

**1. *A Multitask Convolutional Neural Network Approach to Phenotype Key Miscanthus Traits Using High Spatial Resolution UAV Imagery***  
**Jonathan Mason**, Junior, CS + Crop Sciences, ACES  
(Research Mentor(s): Andrew Leakey, Plant Biology)

---

**2. *A Tick-ing Time Bomb: Investigating the Dynamics of Tick-Borne Disease Risk due to Human-Mediated Landscape Change***  
**Matt Beard**, Sophomore, Integrative Biology, LAS  
**Andrea Salinas Gallo**, Junior, Integrative Biology, LAS  
(Research Mentor(s): Brian Allan, Entomology)

---

**3. *An Investigation into the Sensitivity of Automatic Identification Software for Bat Calls to Different Input Species Lists***  
**Isabella Hubrich**, Junior, Earth, Society & Environmental Sustainability, LAS  
(Research Mentor(s): Constance Brown, School of Earth, Society & Environment & Joy O'Keefe, Natural Resources & Environmental Sciences)

---

**4. *Comparative Analysis of Illinois Furbearer Harvest and Pelt Prices from 2007 to 2021***  
**Bethany Warner**, Junior, Animal Sciences, ACES  
(Research Mentor(s): Craig Miller, Illinois Natural History Survey & Eric Walberg, Illinois Natural History Survey)

---

**5. *Examining Neuromast Distribution in Three Species of Neotropical Tadpoles***  
**Amari Houston**, Junior, Integrative Biology, LAS  
(Research Mentor(s): Eva Fischer, Evolution, Ecology & Behavior & Lisa Surber-Cunningham, Evolution, Ecology & Behavior)

---

**6. *Fungicide's Impact on Auxin Production***  
**Harley Schwarz**, Freshman, Natural Resources & Environmental Sciences, ACES  
(Research Mentor(s): Anthony Yannarell, Natural Resources & Environmental Sciences & Noah Brown, Program in Ecology, Evolution & Conservation Biology)

---

**7. *Impact of Band Rehearsal Activities on Air Quality in a University Classroom***  
**Catherine Vittalto**, Senior, Earth, Society & Environmental Sustainability, LAS  
(Research Mentor(s): Nicole Riemer, Climate, Meteorology & Atmospheric Sciences & Constance Brown, School of Earth, Society & Environment)

---

**8. *Implications of Climate Change on Lake-Effect Precipitation around the Great Lakes***  
**Delilah Smithey**, Senior, Atmospheric Sciences, LAS  
(Research Mentor(s): Ryan Sriver, Climate, Meteorology & Atmospheric Sciences)

---

**9. *Investigating a Cultural Keystone Species: Comparing Complete Mitochondrial Genomes between Ancient and Current-Day Late and Early Run Sockeye Salmon in the Kenai Peninsula, AK***  
**Lauren Moy**, Senior, Integrative Biology, LAS  
(Research Mentor(s): Alida De Flamingh, Center for Indigenous Science & Ripan Malhi, Center for Indigenous Science)

---

**10. *Observations of Life Cycles of Global Mesoscale Convective Systems***  
**Alyssa Shih**, Sophomore, Atmospheric Sciences, LAS  
(Research Mentor(s): Steve Nesbitt, Climate, Meteorology & Atmospheric Sciences)

---

**11. *Ovipositor to Body Size Scaling Across the Subfamily Euphorinae***  
**Jessica Nunge**, Graduated December 2023, Integrative Biology, LAS  
**Joey Czarnik**, Junior, Integrative Biology, LAS  
**Emmanuel Lu**, Senior, Integrative Biology, LAS  
(Research Mentor(s): Abby Weber, Evolution, Ecology & Behavior)

**12. Phenotyping Stomatal Patterning from Computer Vision-Annotated Images of a Diverse Sorghum Population**  
**Lydia Keller**, Senior, Integrative Biology, LAS  
 (Research Mentor(s): John Hodge, Center for Advanced Bioenergy and Bioproducts Innovation & Andrew Leakey, Plant Biology)

**13. Prenatal Exposure to Imidacloprid Impairs Procedural Memory, Mood, and Regulation of Cognition in Mice**  
**Nirmal Nathan**, Junior, Community Health, AHS  
 (Research Mentor(s): Megan Mahoney, Comparative Biosciences & Colin Lee, Comparative Biosciences)

**14. Prenatal Exposure to Imidacloprid Affects Spatial Memory Acquisition, Anxiety-Like, and Depression-Like Behaviors**  
**Ella Gusinde**, Junior, Molecular & Cellular Biology, LAS  
 (Research Mentor(s): Megan Mahoney, Comparative Biosciences)

**15. Re-evaluating a Common Conception in Astacology**  
**Dhenu Patel**, Freshman, Natural Resources & Environmental Sciences, ACES  
 (Research Mentor(s): Caitlin Bloomer, Natural Resources & Environmental Sciences)

**16. Soil Food Webs in Organic Grain Systems**  
**Alyson Ficca**, Junior, Integrative Biology, LAS  
 (Research Mentor(s): Nate Schroeder, Crop Sciences & Carmen Ugarte, Natural Resources & Environmental Sciences)

**17. Understanding Connections between Stress Hormones and Reproductive Success in Dyeing Poison Frogs**  
**Olivia Marsden**, Junior, Natural Resources & Environmental Sciences, ACES  
 (Research Mentor(s): Eva Fischer, Evolution, Ecology & Behavior & Sarah Westrick, Evolution, Ecology & Behavior)

**18. Unraveling the Genetic Basis of Leukodystrophy in German Shepherds: Population Analysis of PIPOX Mutation**  
**Kira Diaz**, Junior, Animal Sciences, ACES  
 (Research Mentor(s): Anna Kukekova, Animal Sciences)

**19. Aesthetic Perceptions of Plant Diversity in Urban Open Spaces**  
**Jun-Ha Kim**, Freshman, Graphic Design, FAA  
 (Research Mentor(s): Chia-Ching Wu, Landscape Architecture)

**20. Effects of Co-inoculation with Arbuscular Mycorrhizal Fungi and Fungal Leaf Endophytes on the Growth of *Andropogon gerardii***  
**Lauren MacLean**, Sophomore, Natural Resources & Environmental Sciences, ACES  
 (Research Mentor(s): Ilana Zeitzer, Program in Ecology, Evolution & Conservation Biology)

**21. Using Imaging and Microscopy Techniques to Understand the Relationship between Leaf Air Space and Stomatal Patterns**  
**Brandon Banchs**, Junior, Biology, LAS  
 (Research Mentor(s): James Fischer, Plant Biology)

**22. What's Up Danger: Testing the Response of Birds to a Variety of Alarm Calls**  
**Aditi Patel**, Senior, Community Health, AHS  
**Roqaya Al-Dhufari**, Senior, Integrative Biology, LAS  
 (Research Mentor(s): Jonah Dominguez, Program in Ecology, Evolution & Conservation & Jinelle Sperry, Natural Resources & Environmental Sciences)

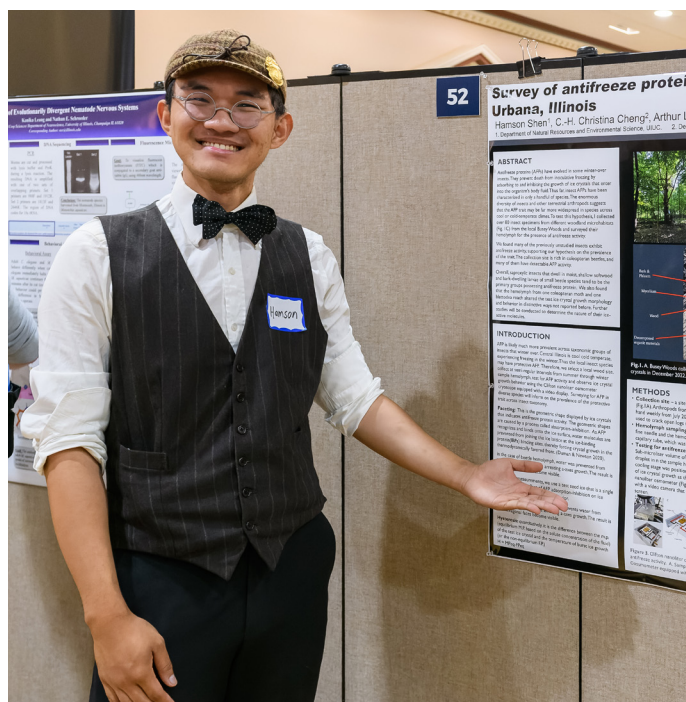
**23. The Duality of Fish: Bluefin Killifish's Response to a Simulated Clear-Brown Gradient**  
**Adeline Volz**, Sophomore, Natural Resources & Environmental Sciences, ACES  
 (Research Mentor(s): Becky Fuller, Evolution, Ecology & Behavior & Ratna Karatgi, Evolution, Ecology & Behavior)

**PF – Cells & Molecules**  
 10:45 AM – 12:00 PM, Illini Room A

**25. A Bacterial Toxin that Influences Gastric Cancer Development and its Interactions with our Gastric Cells**  
**Ivilyn Tan**, Junior, Molecular & Cellular Biology, LAS  
 (Research Mentor(s): Steven Blanke, Microbiology & Megan Ringling, Microbiology)

**26. A Circuit Mapping Method for Genomically Imprinted Monoaminergic Neuron Populations in the Brain Using *Th(Cre/Flp)* Mice and Intersectional Adeno-associate Viral (AAV) Reporters**  
**Nathan Yoon**, Senior, Psychology, LAS  
 (Research Mentor(s): Paul Bonthuis, Comparative Biosciences & Daryl Meling, Comparative Biosciences)

**27. AQQSY Peptide from Cowpea  $\beta$ -vignin Exerted an Anticancer Effect on Colon Cancer Cells by Decreasing p-Rb/Rb Ratio and Ki-67 Expression and Activating Caspase-3**  
**Emily Davis**, Senior, Molecular & Cellular Biology, LAS  
 (Research Mentor(s): Elvira de Mejia, Food Science & Human Nutrition)



**28. Cysteine and Glycine-Rich Protein 1 (Csrnp1) is Differentially Regulated by Acute and Chronic Exercise to Impact Extracellular Matrix Remodeling**

**Samuel Deyhle**, Sophomore, Kinesiology, AHS  
(Research Mentor(s): Deigo Hernandez Saavedra, Kinesiology & Community Health & Clay Weidenhamer, Kinesiology & Community Health)

---

**29. Analysis of Plasma-Derived EVs Collected Following Resistance Exercise as a Therapeutic in a Mouse Model of Disuse Atrophy**

**Jayna Burger**, Senior, Molecular & Cellular Biology, LAS  
(Research Mentor(s): Marni Boppert, Kinesiology & Community Health & Alexander Fliflet, Kinesiology & Community Health)

---

**30. Determining the Molecular Profile of a Mouse Model Alzheimer's Disease through Matrix-Assisted Laser Desorption/Ionization**

**Brian Rettig**, Junior, Molecular & Cellular Biology, LAS  
(Research Mentor(s): Timothy Trinklein, Chemistry & Jonathan Sweedler, Chemistry)

---

**31. Environment-Mediated Organotypic Hydrogels Model Glioblastoma Progression and Therapeutic Response**

**Joseph Mueller**, Junior, Chemical Engineering, LAS  
**Achal Anand**, Junior, Chemical & Biomolecular Engineering, LAS  
(Research Mentor(s): Sara Pedron-Haba, Chemical & Biomolecular Engineering)

---

**32. Exploring Genomic Imprinting Effects in Monoaminergic Cells of the Adrenal Gland and Gut Using Dopa Decarboxylase (Ddc) Allelic Reporter Mice**

**Elliot Yoon**, Sophomore, Kinesiology, AHS  
(Research Mentor(s): Erin O'Leary, Neuroscience Program & Daryl Meling, Comparative Biosciences)

---

**33. Extracellular Lipid Production in Oleaginous Yeasts**

**Sai Smriti Gogineni**, Freshman, Biology, LAS  
(Research Mentor(s): Sujit Jagtap, Institute for Sustainability, Energy & Environment)

---

**34. Glucocorticoid Dysregulation Leads to More Aggressive Tumor Phenotype in Black Lung Cancer Patients Residing in High-Violence Chicago Neighborhoods**

**Vani Sharma**, Junior, Molecular & Cellular Biology, LAS  
(Research Mentor(s): Zeynep Madak-Erdogan, Food Science & Human Nutrition & Hannah Heath, Food Science & Human Nutrition)

---

**35. How In Vitro Fermentation Models Can Supplement Clinical Studies**

**Marco Atallah**, Sophomore, Molecular & Cellular Biology, LAS  
(Research Mentor(s): David Alvarado, Food Science & Human Nutrition & Hannah Holscher, Food Science & Human Nutrition)

---

**36. Investigating Candidate Regulators of Staphylococcus Aureus Superoxide Dismutase Expression**

**Tyler Defort**, Junior, Integrative Biology, LAS  
(Research Mentor(s): Thomas Kehl-Fie, Microbiology & Riley McFarlane, Microbiology)

---

**37. L-Type Amino Acid Transporter 2 (Slc7a6) Expression in Adipose Tissue Following Acute and Chronic Exercise**

**Adam Syed**, Sophomore, Community Health, AHS  
(Research Mentor(s): Clay Weidenhamer, Kinesiology & Community Health & Diego Hernandez Saavedra, Kinesiology & Community Health)

---

**38. Peptidomic Workflows for Analysis of Biofluids Utilizing Mass Spectrometry**

**Anthony Choi**, Senior, Chemistry, LAS  
(Research Mentor(s): Jonathan Sweedler, Chemistry & Shannon Berneche, Neuroscience Program)

---

**39. Role of Astrocyte Transforming Growth Factor Beta Activated Kinase (TAK)1 in Cytokine-Induced Changes to Novel Object Recognition**

**Ziyi Kwok**, Senior, Animal Sciences, ACES  
(Research Mentor(s): Andrew Steelman, Animal Sciences & Steven Krauklis, Nutritional Sciences)

---

**40. Role of Mitochondria in the 27HC-Mediated Increase in Extracellular Vesicle Secretion**

**Hannah Kim**, Senior, Biochemistry, LAS  
(Research Mentor(s): Erik Nelson, Molecular & Integrative Physiology & Anasuya Das Gupta, Molecular & Integrative Physiology)

---

**41. The Effect of Oligodendrocyte TAK1 Conditional Deletion on Peripheral T Cell Responses during Experimental Autoimmune Encephalomyelitis**

**Sara Streit**, Senior, Animal Sciences, ACES  
(Research Mentor(s): Andrew Steelman, Animal Sciences)

---

**42. The Effects of Hydrolyzed Fish Proteins on Serum Chemistry and Complete Blood Count in Canines**

**Kim Detwiler**, Senior, Animal Sciences, ACES  
(Research Mentor(s): Natalia Dos Santos Fanelli, Nutritional Sciences & Maria Cattai de Godoy, Animal Sciences)

---

**43. The Role of CCNA\_02629 in Regulating Cell Curvature in Caulobacter crescentus**

**Leo Kaempfe**, Sophomore, Molecular & Cellular Biology, LAS  
(Research Mentor(s): Paola Mera, Microbiology & Ezza Khan, Microbiology)

---

**44. The Role of HDL in the Efflux of Carotenoids from Tissues**

**Ismail Ahmed**, Senior, Nutrition & Health, ACES  
(Research Mentor(s): Jaume Amengual, Food Science & Human Nutrition & Walter Catalan Monroy, Food Science & Human Nutrition)

---

**45. Total Synthesis of the Main Pharmacologically-Active Metabolite of Cannabinol, 11-Hydroxycannabinol**

**Ryan Blake**, Senior, Chemistry, LAS  
(Research Mentor(s): David Sarlah, Chemistry & Jonathan Maturano, Chemistry)

---

**46. An Amphiphilic Dendrimer as Potent Antibacterial Against Drug-Resistant Bacteria in Mouse Models of Human Infectious Diseases**

**Noah King**, Senior, Integrative Biology, LAS  
(Research Mentor(s): Gee Lau, Pathobiology)

**47. *Transcription Factor Runx-1 Promotes Uterine Angiogenesis by Regulation Of Angiogenic Factors In Human Endometrial Stromal Cells***

**Neha Ramachandran**, Senior, Molecular & Cellular Biology, LAS  
(Research Mentor(s): Milan Bagchi, Molecular & Integrative Physiology & Jacob Beal, Molecular & Integrative Physiology)

**48. *Analysis of the Catalytic Site of Strictosidine Synthase in *Camptotheca Acuminata****

**Emily Wang**, Senior, Biochemistry, LAS  
(Research Mentor(s): Mary Schuler, Cell & Developmental Biology)

## PG – Social Issues & Policy

10:45 AM – 12:00 PM, Illini Room C

**50. *An Investigation into the Scientific Re-Biologization of Race and Sex***

**Erin Haslett**, Senior, Political Science, LAS  
(Research Mentor(s): Samantha Frost, Political Science)

**51. *Analysis of the Impact of “Sapos” on Colombian Refugees in Ecuador***

**Mary Brennan**, Freshman, Economics, LAS  
(Research Mentor(s): Alana Akerman, Anthropology)

**52. *Bleeding Borders: U.S. Intervention and the Rise of Femicide in Mexico***

**Mia Macias**, Senior, Political Science, LAS  
(Research Mentor(s): Gisela Sin, Political Science)

**53. *Bridging the Gap: Enhancing Attorney Response to Intimate Partner Violence in Child Custody Cases***

**Cassidy Murphy**, Senior, Human Development & Family Studies, ACES  
**Krista Siler**, Junior, Human Development & Family Studies, ACES  
(Research Mentor(s): Matthew Rivas-Koehl, Human Development & Family Studies)

**54. *Citizen Voice in Climate Migration: Exploring Public Opinion’s Influence on Government Action***

**Rayna Patel**, Senior, Political Science, LAS  
(Research Mentor(s): Rana Khoury, Political Science)

**55. *Examining the Dynamics of Internally Displaced Persons in Ukraine: A Comprehensive Analysis***

**Giovanni Giannelli**, Junior, Geography & Geographic Information Science, LAS  
(Research Mentor(s): Cynthia Buckley, Sociology)

**56. *Healthcare in the Balance: Unmasking the Role of Privatization in the Access, Equity, and Outcomes of Health Institutions around the World***

**Ethan Thuo**, Senior, Political Science, LAS  
(Research Mentor(s): Jake Bowers, Political Science)

**57. *How Many School Social Workers Are in America?***

**Arielle Britten**, Junior, Social Work, SSW  
**Ethan Kye**, Junior, Social Work, SSW  
**Tracy Mason**, Junior, Social Work, SSW  
**Brandon Seidensticker**, Junior, Social Work, SSW  
(Research Mentor(s): Brenda Lindsey, Social Work)

**58. *International News and Domestic Legitimation in China***

**Steven Zhen**, Freshman, Mathematics, LAS  
(Research Mentor(s): Shuyuan Shen, Political Science)

**59. *Interstate Rivalry and Social Development: Exploring Potential Tradeoffs***

**Sarine Kalayjian**, Senior, Political Science, LAS  
(Research Mentor(s): Paul Diehl, Political Science)

**60. *Kenneth D. Bailey Academy of Danville Youth Participatory Action Research (YPAR) Project***

**Armarni Eaton**, Kenneth D. Bailey Academy High School  
**Ariel Gosser**, Kenneth D. Bailey Academy High School  
**Tashonna Jones**, Kenneth D. Bailey Academy High School  
**Mariya McCullough**, Kenneth D. Bailey Academy High School  
**Krissa Sims**, Kenneth D. Bailey Academy High School  
**Cyntavia Suggs**, Kenneth D. Bailey Academy High School  
**Tamiyah Walls**, Kenneth D. Bailey Academy High School  
(Research Mentor(s): Amy Leman, Agricultural Leadership, Education & Communications & Jacinda Dariotis, Human Development & Family Studies)

**61. *Navigating Exile: Rebel Leader’s Strategic Choices in the Face of International Justice***

**Arshiya Shah**, Sophomore, Political Science, LAS  
**Natalie Klunke**, Sophomore, Global Studies, LAS  
(Research Mentor(s): Mayung Jung Kim, Political Science)

**62. *Public Response to Political Crime: The Effect of Elected Official Crime on Political Polarization***

**Nico Divizio**, Senior, Political Science, LAS  
(Research Mentor(s): Aleks Ksiazkiewicz, Political Science)

**63. *Public Transportation Mobility and Social-Environmental Vulnerability in St. Louis, Missouri***

**Allison Reed**, Senior, Earth, Society & Environmental Sustainability, LAS  
(Research Mentor(s): Constance Brown, School of Earth, Society & Environment)

**64. *Quantifying Ideology and National Foreign Trade Policy***

**Chenyu Jiang**, Senior, Political Science, LAS  
(Research Mentor(s): Robert Carroll, Political Science)

**65. *Shelby County v. Holder: Examining the Impact of New Voting Restrictions***

**Chanel Ziegler**, Senior, Political Science, LAS  
(Research Mentor(s): Brian Gaines, Political Science)

**66. *The Impact of Structural Racism on Black Residents in Champaign County***

**Jae’da Thompson**, Sophomore, Interdisciplinary Health Sciences, AHS  
(Research Mentor(s): Anisa Codamon, Human Development & Family Studies & Sharde Smith, Human Development & Family Studies)

**67. *Victimization and Mental Health among Transgender and Gender Expansive Youth in Illinois: Implications for Creating Safer Schools***

**Noah Rawls**, Sophomore, Social Work, SSW  
**Fynn Levery**, Junior, Social Work, SSW  
(Research Mentor(s): Rachel Garthe, Social Work)

## PH – Education, Learning & Human Development

10:45 AM – 12:00 PM, Illini Room C

### 68. A Brief History of the Historically Black Junior Colleges

**Rosabella Wu**, Freshman, Learning & Education Studies, EDU  
(Research Mentor(s): H. M. Kuneyl, Education Policy, Organization & Leadership)

### 69. A Comprehensive Redesign of CS101 for Students in The Grainger College Engineering

**Yuxuan Chen**, Senior, Mathematics + CS, LAS  
**Kangyu Feng**, Senior, Computer Science, ENG  
(Research Mentor(s): Mariana Silva, Computer Science & Mattox Beckman, Computer Science)

### 70. Accessibility Nuggets, Video Vignettes, and Other Instructor Development Approaches to Foster UDL Adoption and Inclusive Engineering Education

**Delu Zhao**, Junior, CS + Economics, LAS  
**Meghana Gopannagari**, Sophomore, Computer Science, ENG  
(Research Mentor(s): Hongye Liu, Computer Science)

### 71. Developing a New Test to Investigate the Impact of Classroom Noise on Children's Listening Comprehension

**Isabella Lau**, Junior, Speech & Hearing Science, AHS  
**Emma Manukian**, Graduated December 2023, Speech & Hearing Science, AHS  
**Maddie Russel**, Senior, Speech & Hearing Science, AHS  
**Ella Redden**, Freshman, Speech & Hearing Science, AHS  
(Research Mentor(s): Mary Flaherty, Speech & Hearing Science)

### 72. Exploring the Influence of Socialization on the Social and Emotional Development of Preservice Physical Education Teachers

**Kendell MacDonald**, Sophomore, Kinesiology, AHS  
**Nkem Idemudia**, Senior, Kinesiology, AHS  
(Research Mentor(s): Kevin Richards, Kinesiology & Community Health & Alyssa Trad, Kinesiology & Community Health)

### 73. Illinois School District Teacher Vacancies and Impacting Factors

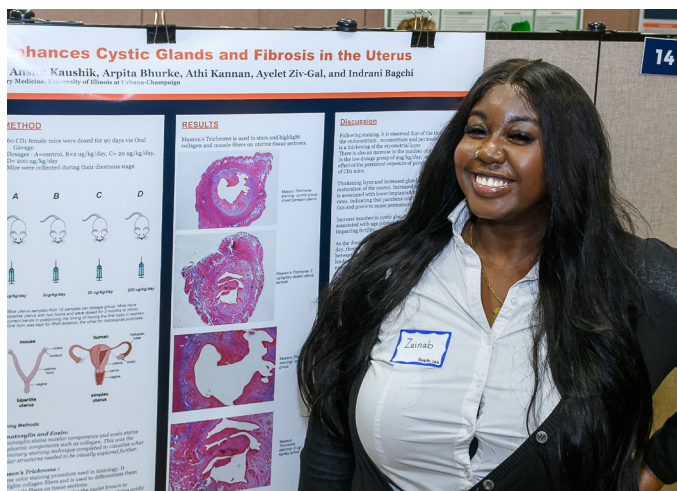
**Lillian Miller**, Freshman, Elementary Education, EDU  
**Jamie Vassos**, Freshman, Secondary Education, EDU  
**Analucia Valenzuela-Gutierrez**, Freshman, Secondary Education, EDU  
(Research Mentor(s): Nancy Latham, Curriculum & Instruction)

### 74. Impact of Soy Foods on Physical and Cognitive Health in Children: The Plants Optimizing Development Study (PODS) Protocol

**Julia Parzych**, Freshman, Speech & Hearing Science, AHS  
**Clarissa Harrington**, Sophomore, Community Health, AHS  
(Research Mentor(s): Ajla Bristina, Neuroscience Program & Naiman Khan, Kinesiology & Community Health)

### 75. Investigating Topic Maintenance and Organization to Advance Understanding of Kindergarten and First Grade Opinion Writing

**Tess Richey**, Junior, Speech & Hearing Science, AHS  
**Dorota Wulw**, Junior, Speech & Hearing Science, AHS  
**Jenna Quafisheh**, Sophomore, Speech & Hearing Science, AHS  
**Emily Kinel**, Sophomore, Speech & Hearing Science, AHS  
**Ava Amabile**, Freshman, Speech & Hearing Science, AHS  
**Maddie Glowacki**, Sophomore, Speech & Hearing Science, AHS  
(Research Mentor(s): Meaghan McKenna, Speech & Hearing Science)



### 76. Peer Problems during Early Adolescence: Mother's Advice and Youth Responses to Advice

**Allegra Hinojosa-Cabrera**, Senior, Human Development & Family Studies, ACES  
(Research Mentor(s): Kelly Tu, Human Development & Family Studies)

### 77. Problems with Online Education and How to Ensure Online Learning is Effective

**Emily Crosswell**, Sophomore, Elementary Education, EDU  
**Amy Aburto**, Freshman, Special Education, EDU  
**Ava Raval**, Sophomore, Elementary Education, EDU  
**Jari Appling**, Senior, Elementary Education, EDU  
**Stephanie Coleman**, Sophomore, Elementary Education, EDU  
(Research Mentor(s): Allison Witt, Education Policy, Organization & Leadership)

### 78. The Connection of Student-Educator Interaction to Classroom Culture

**Meredith Hislope**, Junior, Art Education, FAA  
**Ian Fisher**, Senior, Art Education, FAA  
**Yvett Castrejon**, Senior, Art Education, FAA  
**Carla Chocolate**, Senior, Art Education, FAA  
**Natalie Wroblewski**, Senior, Art Education, FAA  
(Research Mentor(s): Jennifer Bergmark, Art & Design)

### 79. The Practice and Role of the Yew Chung Approach

**Ruxu Zhao**, Freshman, Learning & Education Studies, EDU  
**Ruxuan Zhou**, Freshman, Early Childhood Education, EDU  
(Research Mentor(s): Stephanie Sanders-Smith, Curriculum & Instruction)

### 80. Transition of Student Service Members and Veterans to Higher Education: A Scoping Review

**Joel Emil**, Sophomore, Kinesiology, AHS  
(Research Mentor(s): Chung-Yi Chiu, Kinesiology & Community Health & Kortney Wilcher, Kinesiology & Community Health)

### 81. Zooming In: Exploring the Impact of Student Camera Usage on Teacher Confidence in Facilitating Online Collaborative Learning

**Ryan McMahon**, Freshman, Secondary Education, EDU  
**Emily Correll**, Senior, Chemistry, LAS  
**Dhanya Duvvuri**, Sophomore, Middle Grades Education, EDU  
**Lilly Stange**, Sophomore, Elementary Education, EDU  
**Mishal Nizar**, Sophomore, Early Childhood Education, EDU  
(Research Mentor(s): Janine Solberg, Education Policy, Organization & Leadership)

## PI – Science & Technology

10:45 AM – 12:00 PM, South Lounge

**85. 3D Visualization of Supermassive and Hypermassive Binary Neutron Star Mergers**

**Rohan Narasimhan**, Junior, Physics, ENG

**Yinuan Liang**, Sophomore, Engineering Physics, ENG  
(Research Mentor(s): Stuart Shapiro, Physics and Astronomy & Antonios Tsokaros, Physics)

---

**86. Thrust-Efficient Path Following for Vertical Take-off and Landing Vehicles**

**Kennedy Berschel**, Senior, Mechanical Engineering, ENG  
(Research Mentor(s): John Bullock, Aviate Center & Sheng Cheng, Aviate Center)

---

**87. Analysis of Postural Control Dynamics through Foot and Shoe Size Analysis**

**Armaan Suga**, Sophomore, Molecular & Cellular Biology, LAS  
**Arion Dey**, Junior, Molecular & Cellular Biology, LAS  
**Ritu Meda**, Junior, Interdisciplinary Health Sciences, AHS  
**Arya Shah**, Junior, Interdisciplinary Health Sciences, AHS  
(Research Mentor(s): Manuel Hernandez, Kinesiology & Community Health)

---

**88. Analyzing Ocean Conditions before Strong El Nino Events**

**Charlie Remmers**, Sophomore, Atmospheric Sciences, LAS  
(Research Mentor(s): Ryan Sriver, Climate, Meteorology & Atmospheric Sciences)

---

**89. Charging Ahead: The Next Generation of Solid-State Lithium-Ion Battery Solutions**

**Martha Kubakh**, Junior, Chemistry, LAS  
(Research Mentor(s): Paul Braun, Chemistry & Saeed Moradi, Chemical & Biomolecular Engineering)

---

**90. Designing Curricular Resources for an Innovative Minecraft Based Learning Bot**

**Arunima Suri**, Freshman, CS + Education, EDU  
(Research Mentor(s): H Chad Lane, Educational Psychology & Jeff Ginger, Illinois Informatics Institute)

---

**91. Effects of Thermo-Oxidation on Mechanical Properties and Deconstruct-Ability of Deconstruct-Able Thermoset DCPD co-DHF Carbon Fiber Laminates**

**Ariana Kulesar**, Junior, Aerospace Engineering, ENG  
(Research Mentor(s): Saurabh Bagare, Aerospace Engineering)

---

**92. Watch your V.I.T.A.L Signs: Versatile Informative Technology for Atrial Management and Learning**

**Alan Mathew**, Freshman, Biology, LAS  
**Maya Achettu**, Freshman, Biology, LAS  
**Caleb Thomas**, Sophomore, Bioengineering, ENG  
**Christopher George**, Junior, Bioengineering, ENG  
**Riya Kapoor**, Freshman, Community Health, AHS  
**Mikey Pantoja**, Sophomore, Molecular & Cellular Biology, LAS  
**Katie Rich**, Freshman, Chemistry, LAS  
**Isra Shaikh**, Freshman, Psychology, LAS  
**Pujan Vyas**, Freshman, Neuroscience, LAS  
**Nikola Buis**, Junior, Chemistry, LAS  
**Diya Patel**, Freshman, Bioengineering, ENG

**Mikee Cassandra Medrano**, Freshman, Molecular & Cellular Biology, LAS

(Research Mentor(s): Paul Nguyen, Sudden Cardiac-Death Awareness Research Foundation)

---

**93. Enhancing Phase Identification in Waste-to-Energy Fly Ashes: Role of Raman Spectroscopy, Background Fluorescence, and Photobleaching**

**Halle-Mari Santiago**, Senior, Natural Resources & Environmental Sciences, ACES  
(Research Mentor(s): Nishant Garg, Civil & Environmental Engineering & Vikram Kumar, Civil & Environmental Engineering)

---

**94. Evolution of a Toroidally Magnetized Black Hole Disk**

**Shreyas Jammi**, Junior, Physics, ENG  
**Jonah Doppelt**, Senior, Engineering Physics, ENG  
(Research Mentor(s): Antonios Tsokaros, Physics & Milton Ruiz, University of Valencia)

---

**95. Faradaic Rhenium Recovery with Polyvinyl Ferrocene (PVF) Coated Carbon Electrodes**

**Joseph Hladik**, Junior, Chemical Engineering, LAS  
(Research Mentor(s): Roland Cusick, Civil & Environmental Engineering & Yurui Li, Civil & Environmental Engineering)

---

**96. Integrating a Machine Learning Method for Quantitative Biostatistical Analyses**

**Nicolas Hernandez**, Junior, Animal Sciences, ACES  
(Research Mentor(s): Andrew Leakey, Plant Biology & Adrienne Antonson, Animal Sciences)

---

**97. POINT VR: Developing Graphics for Gravity & General Relativity Simulations in Virtual Reality**

**Anisha Jog**, Junior, Computer Science, ENG  
(Research Mentor(s): Eric Shaffer, Computer Science & Sonali Joshi, Physics)

---

**98. Quantifying Bias in Tidal Deformability Measurements Due to Exclusion of Possible Modified Gravity Effects**

**Dhruv Srivastava**, Sophomore, Physics, ENG  
(Research Mentor(s): Kristen Schumacher, Physics & Nicolas Yunes, Physics)

---

**99. Results from the Helium Retention Mechanism Experiment in Stellarator (HeRMES) Campaign**

**Arnav Goyal**, Freshman, Nuclear, Plasma & Radiological Engineering, ENG  
**Adam Kim**, Sophomore, Nuclear, Plasma & Radiological Engineering, ENG  
(Research Mentor(s): Daniel Andruczyk, Nuclear, Plasma & Radiological Engineering)

---

**100. Simulation Research and Techniques for Nuclear Reactor Physics: Monte Carlo and Finite Elements**

**Severin Vorotnjak**, Sophomore, Nuclear, Plasma & Radiological Engineering, ENG  
**Justin Jia**, Freshman, Nuclear, Plasma & Radiological Engineering, ENG  
**Brett Heberer**, Freshman, Nuclear, Plasma & Radiological Engineering, ENG  
(Research Mentor(s): Tomasz Kozlowski, Nuclear, Plasma & Radiological Engineering)

**101.** *Spectroscopic and Photometric Standards for Faint DA White Dwarf Stars*

**Mai Li**, Junior, Astrophysics, LAS  
(Research Mentor(s): Aidan Berres, Astronomy & Gautham Narayan, Astronomy)

**102.** *Sperm Maturation Affects Sperm Binding to Complex and Hybrid N-Linked Oligosaccharides and the Functional Outcome of Binding*

**Lujain Nachbat**, Junior, Animal Sciences, ACES  
(Research Mentor(s): David Miller, Animal Sciences & Leonardo Molina, Animal Sciences)

**103.** *Synthetic Endocrine Disrupting Chemicals and Copulatory Behavior among Mice*

**Christopher Oei**, Junior, Molecular & Cellular Biology, LAS  
**Aneta Dzielska**, Junior, Molecular & Cellular Biology, LAS  
(Research Mentor(s): Jacob Maxon, Neuroscience Program & Megan Mahoney, Comparative Biosciences)

**104.** *Technological Frontiers in Exercise and Cognitive Function: Interplay, Intervention, and Individualization*

**Isabella Calderon**, Junior, Psychology, LAS  
(Research Mentor(s): Sean Mullen, Kinesiology & Community Health & David Thomas, Informatics)

**105.** *The Effect of Prophylactic Clemastine Treatment on the Generation of Influenza A Virus-Specific Cytotoxic T Cell Responses*

**Arianna Mendez**, Junior, Animal Sciences, ACES  
(Research Mentor(s): Andrew Steelman, Animal Sciences & Steven Krauklis, Animal Sciences)

**106.** *Towards Seamless Integration: Realtime Object Detection in Mixed and Virtual Reality*

**Jacob Stolker**, Junior, Computer Science, ENG  
(Research Mentor(s): Avinash Gupta, Industrial & Enterprise Systems Engineering & George Mois, Human Factors & Aging Laboratory)

**107.** *Towards Synthetic Hemoglobin: 9, 9'-Bianthracene, a Novel Motif for Cooperative Binding*

**John Van Wazer**, Senior, Biochemistry, LAS  
(Research Mentor(s): Martin Burke, Chemistry)

**108.** *Treating Huntington's Disease Using CRISPR-Cas9 Gene Editing*

**Daniela Del Bosque Siller**, Senior, Molecular & Cellular Biology, LAS  
(Research Mentor(s): Thomas Gaj, Bioengineering)

**109.** *Tuning Hydrogel Composition and Architecture to Study Cell Migration*

**Eliza Refaat**, Senior, Bioengineering, ENG  
(Research Mentor(s): Susan Leggett, Bioengineering)

**110.** *Biochar-augmented Cementitious System as a Viable Tool for Carbon Sequestration*

**Jisu Hong**, Sophomore, Civil Engineering, ENG  
**Amrit Agarwal**, Freshman, Civil Engineering, ENG  
(Research Mentor(s): Bayezid Baten, Civil Engineering)

**111.** *Using Python to Correct and Analyze Integral Field Spectroscopy Data in the Large Magellanic Cloud*

**Martin Radecki**, Junior, Physics, ENG  
(Research Mentor(s): Tony Wong, Astronomy)

**112.** *Utilizing Code to Simulate and Teach the Thermodynamics of Internal Combustion Engine Cycles*

**Nick King**, Senior, Computer Science & Math, LAS  
(Research Mentor(s): Juan Norverto Moriñigo, Universidad Pontificia Comillas)

**113.** *Utilizing Frequency Modulated Continuous Waveform Radar for Analysis of a Crowd of People and their Movements*

**Anay Koorapaty**, Junior, Electrical Engineering, ENG  
(Research Mentor(s): Thomas Moon, Electrical & Computer Engineering)

**114.** *Modified Theories of Gravity in Black Hole Accretion Simulations*

**Shreya Majumdar**, Senior, Astronomy, LAS  
(Research Mentor(s): Charles Forbes Gammie, Physics)

**115.** *Optimal Control Strategy to Water Flow of the Great Lake System*

**Mengxuan Qiu**, Senior, Mathematics, LAS  
**Allen Chen**, Junior, Computer Science, ENG  
**Yue Chen**, Junior, Computer Science, ENG  
(Research Mentor(s): Timothy Thieme, Mathematics)

## **PJ – Cells & Molecules**

**12:15 PM – 1:30 PM, Illini Room A**

**1.** *Acute Exposure to Herbicide Dicamba and Its Impacts on the Danio Rerio Microbiome*

**Chloe Zant**, Junior, Integrative Biology, LAS  
(Research Mentor(s): Chris Gaulke, Pathobiology)

**2.** *AI-Mediated Segmentation and Identification of Glioblastoma Cellular Microenvironment*

**Yasmine Khan**, Junior, Bioengineering, ENG  
**Chadrick Gyabin**, Sophomore, Bioengineering, ENG  
(Research Mentor(s): Catherine Best-Popescu, Bioengineering & Will Han, Bioengineering)

**3.** *Capture and Detection of Tear Biomarkers Using Modified Punctal Plugs*

**Vishwa Patel**, Senior, Molecular & Cellular Biology, LAS  
(Research Mentor(s): Jay Taylor, Materials Science & Engineering)

**4.** *Characterizing the Viral Factors That Inhibit Interferon Expression during Influenza Infection*

**Tameem Abou-Chakra**, Sophomore, Molecular & Cellular Biology, LAS  
(Research Mentor(s): Chris Brooke, Microbiology & Joel Rivera Cardona, Microbiology)

**5.** *Effects of Chronic Methamphetamine Exposure on the Immune Response in Adult Male Rats*

**Emma Prybylski**, Senior, Animal Sciences, ACES  
(Research Mentor(s): Adrienne Antonson, Animal Sciences & Ashley Otero, Neuroscience Program)

**6. Effects of Neuron-specific Aromatase Knockdown on Seizure Severity in Mice**

**Nikolas Corrales**, Junior, Molecular & Cellular Biology, LAS  
(Research Mentor(s): Catherine Christian-Hinman, Molecular & Integrative Physiology & Alex French, Molecular & Integrative Physiology)

**7. Elucidating Neuropeptide Profile Changes in Stickleback Parenting Behavior Using Tandem Mass-Spectrometry**

**Aniket Joglekar**, Junior, Molecular & Cellular Biology, LAS  
(Research Mentor(s): Elena Romanova, Chemistry & Jonathan Sweedler, Chemistry)

**8. Establishment of an In Vitro Toxicity Screening Model for Spermatogenesis in Mice**

**Angela Ho**, Junior, Molecular & Cellular Biology, LAS  
(Research Mentor(s): Huanyu (Joe) Qiao, Comparative Biosciences)

**9. Force and Neurogenesis of Mouse Conditioned Media on Astrocytes**

**Movvizi Ahmed**, Junior, Chemistry, LAS  
(Research Mentor(s): Md. Saddam Hossain Joy, Mechanical Science & Engineering)

**10. Microbiome Effects on Host-Parasite Interactions in *Daphnia dentifera* and *Metschnikowia bicuspidata***

**Michelle Villalobos**, Senior, Integrative Biology, LAS  
(Research Mentor(s): Carla Cáceres, Evolution, Ecology & Behavior & Molly Fredericks, Evolution, Ecology & Behavior)

**11. Harnessing Tumor Extracellular Hyaluronan to Enhance Lymphocyte Infiltration in Glioblastoma**

**Ryan Yao**, Junior, Materials Engineering, ENG  
(Research Mentor(s): Sara Pedron-Haba, Chemical & Biomolecular Engineering)

**12. Hypothermic Effects on In Vitro Traumatic Brain Injury Models**

**James Keener Edmunds**, Sophomore, Bioengineering, ENG  
**Raghav Tirumale**, Freshman, Computer Engineering, ENG  
(Research Mentor(s): Catherine Best-Popescu, Bioengineering & Jorge Maldonado DeJesus, Neuroscience Program)

**13. Impacts of Prenatal Imidacloprid Exposure on Working Memory**

**Truman Poteat**, Senior, Molecular & Cellular Biology, LAS  
(Research Mentor(s): Megan Mahoney, Comparative Biosciences)

**14. Metabolism of K9TCC Bladder Cancer Cells and Their Extracellular Vesicles in Response to Cancer Treatments**

**Katerina Baxter**, Junior, Bioengineering, ENG  
(Research Mentor(s): Stephen Boppart, Electrical & Computer Engineering & Jaena Park, Bioengineering)

**15. Molecular Interactions in the Lutein Epoxide Cycle in Soybean**

**Mia Eschman**, Sophomore, Plant Biotechnology, ACES  
(Research Mentor(s): Laurie Leonelli, Agricultural & Biological Engineering & Komal Attri, Carl R. Woese Institute for Genomic Biology)

**16. Spatial Transcriptional Analysis Reveals Oocyte-Specific Genes in *Cumulus Granulosa* Cells during Folliculogenesis**

**Rujuta Chikodikar**, Senior, Molecular & Cellular Biology, LAS  
(Research Mentor(s): Huanyu (Joe) Qiao, Comparative Biosciences)

**17. Targeting Nur77 (*Nr4a1*) in Enteroendocrine Cells**

**Sharon Dong**, Junior, Nutrition & Health, ACES  
(Research Mentor(s): Bianca Guanying Xu, Food Science & Human Nutrition)

**18. TGF- $\beta$  Signaling Induces Epithelial-to-Mesenchymal Transition in Hepatocytes through ESRP2 Suppression**

**Ishita Purwar**, Senior, Molecular & Cellular Biology, LAS  
(Research Mentor(s): Aninash Kalsotra, Biochemistry)

**19. The Effect of Phosphoinositides PI(3,4)P2 and PI(3,4,5)P3 on Vacuole Fusion and Ion Homeostasis**

**Charlie Knapp**, Senior, Biochemistry, LAS  
(Research Mentor(s): Rutilio Fratti, Biochemistry & Jorge Calderin, Biochemistry)

**20. Investigating Spatiotemporal Cell Behavior within a Tendon-to-Bone Scaffold for Rotator Cuff Repair**

**Caleigh Arentsen**, Sophomore, Bioengineering, ENG  
(Research Mentor(s): Kyle Timmer, Chemical & Biomolecular Engineering)

**21. Fine-Tuning Gelatin Methacrylate (GelMA) Synthesis for a 3D in vitro Bone Injury Modeling Platform**

**Sam Christoff**, Sophomore, Animal Sciences, ACES  
(Research Mentor(s): Grace Rubino, Chemical & Biomolecular Engineering)

**22. Validation and Use of eMutaSP6 & eMutaT7 Continuous Directed Evolution Systems in *E. coli***

**Quentin Herzig**, Senior, Crop Sciences, ACES  
(Research Mentor(s): Ignacio Sparrow, Plant Biology & Steven Burgess, Plant Biology)





## PK – Health & Wellness

12:15 PM – 1:30 PM, Illini Room A

**25.** “Nosotros Como Latinos Bailamos La Cumbia”: A Qualitative Analysis of a Remote Latin Dance Program for Latino Middle-Aged Adults

**Thais Ocana**, Senior, Interdisciplinary Health Sciences, AHS  
(Research Mentor(s): Susan Aguinaga, Kinesiology & Community Health)

**26.** A Bibliometric Analysis of Physical Activity Policy Publications in China

**Anne Tang**, Senior, Community Health, AHS  
(Research Mentor(s): Pedro Hallal, Kinesiology & Community Health & Diana Morales, Kinesiology & Community Health)

**27.** A Meta-Analysis of Diversity-Disease Relationships in the Human Microbiome

**Natalie Sinjaradze**, Senior, Integrative Biology, LAS  
**Dishan Gunya**, Sophomore, Integrative Biology, LAS  
**Hanif Salam**, Senior, Integrative Biology, LAS  
(Research Mentor(s): Brian Allan, Entomology & Fahren Zackery, Program in Ecology, Evolution & Conservation Biology)

**28.** A Qualitative Analysis of Barriers and Facilitators among Middle-Aged Latinx Adults Participating in a Latin Dance Program

**Montserrat Ponce**, Senior, Community Health, AHS  
(Research Mentor(s): Susan Aguinaga, Kinesiology & Community Health & Diana Morales, Kinesiology & Community Health)

**29.** Anti-Melanoma Effects of Soybean Lunasin and Amaranth Unsaponifiable Matter Transported into Liposomes through the Upregulation of Cell Cycle Inhibitors in a Mouse Model

**Najwa Farhana Yahya**, Senior, Food Science & Human Nutrition, ACES  
(Research Mentor(s): Elvira de Mejia, Food Science & Human Nutrition & Erick Damian Castañeda-Reyes, Food Science & Human Nutrition)

**30.** Bridging Faith and Care: Navigating Religious Affiliation in U.S. Healthcare

**Jonathan Blatchford**, Senior, Community Health, AHS  
(Research Mentor(s): Michael Lotspeich-Yadao, Kinesiology & Community Health)

**31.** Cluster of Health Behaviors Associated with Obesity in Adolescents from Brazil

**Tristin Baker**, Sophomore, Kinesiology, AHS  
(Research Mentor(s): Rafael Tassitano, Kinesiology & Community Health)

**32.** Daily Activity Challenges in Persons with Mild Cognitive Impairment

**Natalia Mihigo**, Junior, Interdisciplinary Health Sciences, AHS  
(Research Mentor(s): Raksha Mudar, Speech & Hearing Science)

**33.** Differences in the Multidimensional Sexual Self-Concept between Transgender and Cisgender Individuals

**Max Zagorski**, Freshman, Interdisciplinary Health Sciences, AHS  
(Research Mentor(s): Liza Berdychevsky, Recreation, Sport & Tourism & Xue Yan, Recreation, Sport & Tourism)

**34.** Effects of Modes and Intensities of Handgrip Exercise on Neuromuscular Fatigue in Individuals with Cerebral Palsy  
**Elisabeth Paskali**, Senior, Molecular & Cellular Biology, LAS  
(Research Mentor(s): Yih-Kuen Jan, Kinesiology & Community Health)

**35.** Engaging Asian American Family Caregivers in Clinical Trials: Findings from a Nationwide Study

**Anjali Yedavalli**, Junior, Biology, LAS  
**Sabeen Sadrudin**, Senior, Community Health, AHS  
(Research Mentor(s): Minakshi Raj, Kinesiology & Community Health)

**36.** Examining Sex Differences in the Balance of Glenohumeral Musculature

**Savanna Rudy**, Junior, Kinesiology, AHS  
**Brittni Hollis**, Senior, Kinesiology, AHS  
(Research Mentor(s): Josh Leonardis, Kinesiology & Community Health & Whitney Wolff, Kinesiology & Community Health)

**37.** Habitual Low-Calorie Sweetener Consumption and Eating Behaviors

**Sonja Bradley**, Senior, Nutrition & Health, ACES  
**Hanne Livermore**, Junior, Molecular & Cellular Biology, LAS  
(Research Mentor(s): Yanina Pepino, Food Science & Human Nutrition & Stephanie Okoye, Food Science & Human Nutrition)

**38.** Impact of Air Purification Systems on School Absenteeism and Academic Performance: A Systematic Review and Meta-Analysis

**Akshara Kumar**, Senior, Interdisciplinary Health Sciences, AHS  
**Charlie Watts**, Junior, Psychology, LAS  
(Research Mentor(s): Sean Mullen, Kinesiology & Community Health)

**39.** Increasing the Speech Intelligibility of Individuals with Down Syndrome in AI Voice Assistants

**Emma Mueller**, Senior, Speech & Hearing Science, AHS  
**Abigail Keasler**, Senior, Speech & Hearing Science, AHS  
**Liz Gremer**, Senior, Speech & Hearing Science, AHS  
**Sophie Campa**, Junior, Speech & Hearing Science, AHS  
**Corrie Penrod**, Junior, Speech & Hearing Science, AHS  
(Research Mentor(s): Heejin Kim, Linguistics & Alex Barkhimer, Speech & Hearing Science)

**40.** Investigating the Effect of Avocados on Cardiovascular Health Using a Randomized Controlled Complete Feeding Trial

**Jenya Varaniuk**, Junior, Nutrition & Health, ACES  
(Research Mentor(s): Tori Holthaus, Division of Nutritional Science & Naiman Khan, Kinesiology & Community Health)

**41.** Mind Over Mass: Cognitive Training’s Influence on Weight Loss

**Solange Nwokenkwo**, Senior, Kinesiology, AHS  
(Research Mentor(s): Sean Mullen, Kinesiology & Community Health)

**42.** Motivations of Older Adults’ Usage of Digital Health Technology

**Gabriella Schneider**, Junior, Molecular & Cellular Biology, LAS  
(Research Mentor(s): Mimi Trinh, Kinesiology & Community Health & Wendy Rogers, Kinesiology & Community Health)

**43.** Narrative Review on the Effects of Mindfulness-Based Interventions on Mental Health of Hispanic/Latino Populations

**Camilo Jaime-Rivera**, Senior, Kinesiology, AHS  
(Research Mentor(s): Ryan Santens, Kinesiology & Community Health & Diana Morales, Kinesiology & Community Health)

**44. Public Health Preparedness among UIUC Students during Extreme Heat Conditions**  
**Saiesha Bollapragada**, Freshman,  
 Interdisciplinary Health Sciences, AHS  
 (Research Mentor(s): Mariela Fernandez, Recreation, Sport & Tourism & Kshitij Tewari, Recreation, Sport & Tourism)

**45. Redesign of Blood Pressure Visualizations for Enhancing User Comprehension in mHealth Applications**  
**Amy Ni**, Senior, Interdisciplinary Health Sciences, AHS  
 (Research Mentor(s): Wendy Rogers, Kinesiology & Community Health & Renato Ferreira Leitão Azevedo, Kinesiology & Community Health)

**46. Supporting Engagement and Activity through Virtual Reality**  
**Anika Urbonas**, Sophomore, Community Health, AHS  
 (Research Mentor(s): George Mois, Human Factors & Aging Lab)

**47. The Epidemiology of Physical (In)activity and Mobility Limitation among the Oldest Old in Brazil**  
**Allison Adler**, Freshman, Community Health, AHS  
**Maron Penrod**, Sophomore, Community Health, AHS  
 (Research Mentor(s): Emerson Sebastiao, Kinesiology & Community Health)

**48. U.K Junior Doctors' Perception of Food Environment and Perceived Impact on Mood and Patient Safety**  
**Avery Andersen**, Junior, Dietetics & Nutrition, ACES  
 (Research Mentor(s): Elizabeth Brandley, Nutritional Sciences)

## PL – Social Science & Human Behavior

12:15 PM – 1:30 PM, Illini Room C

**50. Adjective Use in Language Production**  
**Ella Bohlman**, Senior, Psychology, LAS  
 (Research Mentor(s): Jessica Montag, Psychology)

**51. Adversity, Resilience, and Lifespan Development**  
**Saifei Mu**, Senior, Psychology, LAS  
 (Research Mentor(s): Brent Roberts, Psychology & Cavan Bonner, Psychology)

**52. A-List Advocacy: Celebrity Endorsements & Voter Behavior**  
**Emily Fitch**, Senior, Political Science, LAS  
 (Research Mentor(s): Cara Wong, Political Science)

**53. Beyond Conviction: A Theoretical Framework for Reforming Post-Conviction Practices through Deliberative Democratic Theory**  
**Alexandra Gergova**, Senior, Political Science, LAS  
 (Research Mentor(s): Benjamin Miller, Political Science)

**54. Developmental Delay in Language Development in FXS Rats**  
**Arjun Vaidya**, Junior, Physics, ENG  
 (Research Mentor(s): Benjamin Auerbach, Molecular & Integrative Physiology & Walker Gauthier, Neuroscience Program)

**55. Digital Literacy: Expectations and Reality**  
**Arista Sudharta**, Freshman, Learning & Education Studies, EDU  
 (Research Mentor(s): Jina Kang, Curriculum & Instruction)

**56. Effects of Accent and Interpersonal Similarity on Syntactic Priming**  
**Kyle Huffaker**, Senior, Psychology, LAS  
 (Research Mentor(s): Cindy Fisher, Psychology)

**57. How Voice Quality, Cognition, and Background Noise Impact Children's Speech Understanding**  
**Carly Roberts**, Junior, Speech & Hearing Science, AHS  
**Emma Manukian**, Senior, Speech & Hearing Science, AHS  
**Lauren Stec**, Senior, Speech & Hearing Science, AHS  
 (Research Mentor(s): Mary Flaherty, Speech & Hearing Science & Bisma Choudhry, Speech & Hearing Science)

**58. Leveraging Social Impacts of Hosting College Sports Events in the Local Community: Understanding Residents' Perceptions**  
**Dylan Wu**, Freshman, Statistics, LAS  
**Elizabeth Hea**, Freshman, Psychology, LAS  
 (Research Mentor(s): Jonathan Rocha De Oliveira, Recreation, Sport & Tourism)

**59. Mental Health and Wellbeing Outcomes among Gender and Sexuality Diverse Individuals Raised in Fundamentalist Religious Environments: Exploratory Analyses and Study Design**  
**Marina Manuel**, Senior, Media & Cinema Studies, COM  
 (Research Mentor(s): Chris Fraley, Psychology & Maggie Palmiero, Psychology)

**60. Observational Study on Pocket Bully Dog and Social Interaction**  
**TaCoria Humphrey**, Junior, Community Health, AHS  
 (Research Mentor(s): Lilly Crowe, Ball State University)

**61. The Role of Sadness in US Politics**  
**Arrhan Bhatia**, Sophomore, Computer Engineering, ENG  
 (Research Mentor(s): James Steur, Political Science)

**62. Self-Concealment Moderates the Association between Racial Discrimination and Help-Seeking Stigma among Asian / Asian American College Students during the COVID-19 Pandemic**  
**Khushi Thakkar**, Junior, Psychology, LAS  
 (Research Mentor(s): Chenhao Zhao, Psychology & Carla Hunter, Psychology)

**63. Social Identity Mapping (SIM) among BIPOC College Students: Preliminary Findings**  
**Sofia Anderson**, Junior, Psychology, LAS  
 (Research Mentor(s): Raymond La, Psychology & Carla Hunter, Psychology)

**64. Statistics of Centered Objects in the Visual Field of an Infant**  
**Araditta Iyer**, Senior, Psychology, LAS  
 (Research Mentor(s): Jon Willits, Psychology)

**65. Taking Photos Disrupts Learning of Abstract Categories**  
**Anagha Dangi**, Junior, Brain & Cognitive Science, LAS  
**Joy Akindulureni**, Junior, Psychology, LAS  
 (Research Mentor(s): Belgin Unal, Psychology & Aaron Benjamin, Psychology)

**66. The Role of Community Health Workers on Physical Activity Interventions**

**Janiya Daniel**, Junior, Interdisciplinary Health Sciences, AHS  
(Research Mentor(s): Susan Aguinaga, Kinesiology & Community Health & Andiara Schwingel, Kinesiology & Community Health)

**67. The Role of Racial Identity and Exposure to Diversity in Shaping Realness Perception of AI Generated Image of Human Faces**

**Iris Shang**, Senior, Psychology, LAS  
(Research Mentor(s): Michael Rizzo, Psychology & Tim (Wei-Ting) Chao, Psychology)

**PM Session – Data & Information**

**12:15 PM – 1:30 PM, Illini Room C**

**68. Untitled**

**Anushree Tibrewal**, Junior, Computer Science, ENG  
(Research Mentor(s): Nancy Amato, Computer Science)

**69. Affordable and Versatile Markerless Motion Capture Using Two Cameras and Open-Source Software**

**Daniel Chun**, Junior, Mechanical Engineering, ENG  
(Research Mentor(s): Mariana Kersh, Mechanical Science & Engineering & Griffin Sipes, Mechanical Science & Engineering)

**70. Analyzing PLC Applications on Embedded Platforms Using OpenPLC framework**

**Natalie Gavin**, Sophomore, Computer Science, ENG  
**Ieva Bagdonaviute**, Sophomore, Computer Engineering, ENG  
(Research Mentor(s): Ashish Kashinath, Computer Science)

**71. CRYPTO-MINE: Cryptanalysis via Mutual Information Neural Estimation**

**Benjamin Kim**, Junior, Computer Engineering, ENG  
(Research Mentor(s): Muriel Médard, Massachusetts Institute of Technology & Vipindev Adat Vasudevan, Massachusetts Institute of Technology)

**72. Evaluating the Performance of Machine Translation with Null Subjects in Spanish and Tamil**

**Anisha Rao**, Freshman, Linguistics, LAS  
(Research Mentor(s): Katie VanDyne, Linguistics)

**73. GPU-Accelerated CUDA Kernel Profiling, Analysis and Automation**

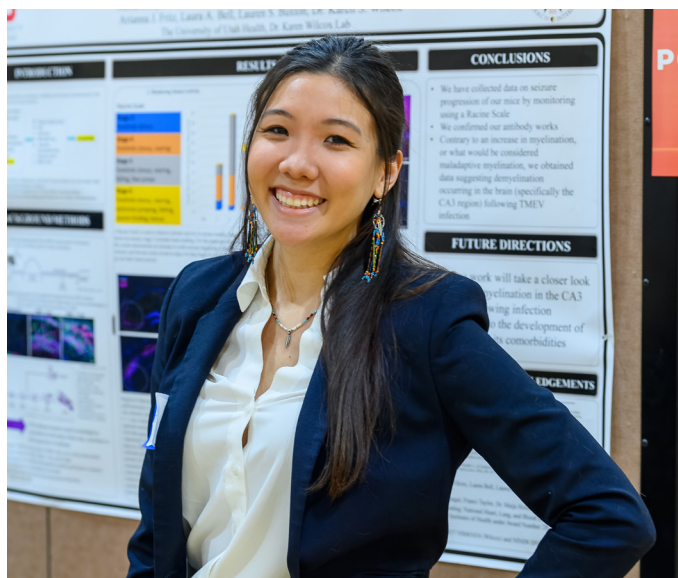
**Lawrence Cheng**, Freshman, Computer Engineering, ENG  
**Noah Rockoff**, Sophomore, Computer Engineering, ENG  
(Research Mentor(s): Kun Wu, Electrical & Computer Engineering)

**74. Knowledge Graphs Can Increase the Factual Knowledge of Large Language Models by Providing Additional Structured Intelligence**

**Philip Montgomery**, Sophomore, CS + Economics, LAS  
**Tiger Wang**, Senior, Mathematics + CS, LAS  
(Research Mentor(s): Tomasz Kozlowski, Nuclear Plasma & Radiological Engineering)

**75. Using Best Practices for Graphical Communication to Share Social and Environment Data in an Environmental Justice Context**

**Inna Chong**, Junior, Kinesiology, AHS  
(Research Mentor(s): Sheena Martenies, Kinesiology & Community Health)



**76. Mass Spectrometry Data Analysis: Development of Python-Based Analysis Tool**

**Andrew Hamilton**, Sophomore, Neuroscience, LAS  
(Research Mentor(s): Chen Huang, Chemistry & Jonathan Sweedler, Chemistry)

**77. Morphologies of CL-AGN Host Galaxies**

**Tanay Agrawal**, Freshman, Astrophysics, LAS  
(Research Mentor(s): Margaret Elizabeth Verrico, Astronomy)

**78. Perceptions of Counterfactual-Driven Learning Recommendations**

**Ziwei Wang**, Senior, Information Sciences, SIS  
**Stefan Chu**, Senior, Information Sciences, SIS  
(Research Mentor(s): Haejin Lee, School of Information Sciences & Nigel Bosch, Educational Psychology)

**79. Predictability in College Sports: Comparing the Accuracies of Prediction Models for College Football and Basketball Games**

**Samuel Lam**, Freshman, Mathematics, LAS  
**Yihan Gao**, Junior, Engineering Undeclared, ENG  
**David Xia**, Freshman, Computer Science, ENG  
(Research Mentor(s): AJ Hildebrand, Mathematics & Bingyan Liu, Mathematics)

**80. Privacy Risks in Mobile Health Apps: A Comprehensive Investigation**

**Dan Chen**, Sophomore, Mathematics + CS, LAS  
(Research Mentor(s): Hassan Muhammad, School of Information Sciences)

**81. Replicating a Citation Context Analysis Study Using Natural Language Processing Methods**

**Zhiheng Ye**, Senior, Statistics, LAS  
(Research Mentor(s): Jodi Schneider, School of Information Sciences & Janina Sarol, School of Information Sciences)

**82. The Influence of Missing Data Imputing Procedures on Evaluating Diagnostic Assessments**

**Jiepeng Yuan**, Senior, Psychology, LAS  
(Research Mentor(s): Susu Zhang, Psychology)

**83.** *The Use of Large Language Models for Assessing Citation Accuracy in Biomedical Publications*

**Yichen Liu**, Sophomore, Mathematics + CS, LAS

(Research Mentor(s): Halil Kilicoglu, School of Information Sciences & Janina Sarol, School of Information Sciences)

## PN – Food, Plants & Animals

12:15 PM – 1:30 PM, South Lounge

**85.** *A Hydrolyzed Lipid Blend Diet Promotes Myelination in Neonatal Piglets in a Region and Concentration-Dependent Manner*

**Jacob Goldenbaum**, Senior, Animal Sciences, ACES

(Research Mentor(s): Lauretta Rund, Animal Sciences)

**86.** *Creating Programmable Plant System for Monitoring Nitrogen Responses in Maize*

**Leah Erdmann**, Senior, Plant Biotechnology, ACES

(Research Mentor(s): Stephen Moose, Crop Sciences)

**87.** *Detection of Cacao Shells in Chocolate Using Near-Infrared Spectroscopy (NIR)*

**Ayushi Chakraborty**, Sophomore, Biochemistry, LAS

(Research Mentor(s): AJ Taylor, Food Science & Human Nutrition)

**88.** *Development of a Machine Learning Model for Predicting Plant Traits Using High-Resolution Sensor Data from TERRA-REF*

**Joseph Ku**, Senior, CS + Crop Sciences, ACES

(Research Mentor(s): Elhan Ersoz, Crop Science)

**89.** *Do Stress Combinations Rewire the Metabolic Profile of Tomato?*

**Michael Somerville**, Junior, Integrative Biology, LAS

(Research Mentor(s): Esther Ngumbi, Entomology & Erinn Dady, Entomology)

**90.** *Effect of the Urban Built Environment on Food Access for People Living Alone*

**Ellie Sander**, Senior, Urban Studies & Planning, FAA

(Research Mentor(s): Merin Oleschuk, Human Development & Family Studies & Matthew Rivas-Koehl, Human Development & Family Studies)

**91.** *Eggsploring Bluefin Killifish Reproduction: Microhabitat Variations and Oviposition Preferences*

**Marie Peters**, Sophomore, Biology, LAS

**Anushka Bhat**, Sophomore, Integrative Biology, LAS

(Research Mentor(s): Rebecca Fuller, Evolution, Ecology & Behavior & Ratna Karatgi, Evolution, Ecology & Behavior)

**92.** *Evaluating Consumer Preferences towards Sustainable Agri-Food Products*

**Olivia Pazerunas**, Senior, Agricultural & Consumer Economics, ACES

(Research Mentor(s): Shadi Atallah, Agricultural & Consumer Economics)

**93.** *Evaluation of Moderate and High Roughage Rations in a Confinement Cow-Calf System*

**Annalyssa Crain**, Senior, Animal Sciences, ACES

(Research Mentor(s): Kylie Ewing, Animal Sciences & Dan Shike, Animal Sciences)

**94.** *Evaluation of Transgenic Sorghum Plants Engineered for Greater Water Use Efficiency*

**Elaine Guel**, Senior, Natural Resources & Environmental Sciences, ACES

(Research Mentor(s): Sanbon Gosa, Institute for Sustainability, Energy & Environment)

**95.** *Examination of Physicochemical Properties of Fresh and Spent Coffee Brews*

**Emma Schnulle**, Senior, Food Science, ACES

(Research Mentor(s): AJ Taylor, Food Science & Human Nutrition & Nicki Engeseth, Food Science & Human Nutrition)

**96.** *Exploration of Type Specimens in the Crop Evolution Laboratory (CEL) Herbarium*

**Franchesca Austriaco**, Sophomore, Crop Sciences, ACES

(Research Mentor(s): Chance Riggins, Crop Sciences)

**97.** *Food Trucks in Champaign: Is It an Option for Businesses?*

**JiaBao Yu**, Junior, Agricultural & Consumer Economics, ACES

(Research Mentor(s): Bryan Endres, Agricultural & Consumer Economics)

**98.** *From Farm Fields to Family Meals: Transforming Consumer Attitudes towards Food Production*

**Emily Brooks**, Senior, Agribusiness Markets & Management, ACES

(Research Mentor(s): David Rosch, Agricultural Leadership, Education & Communication)

**99.** *From the Past to the Present: Comparing Abiotic and Biotic Stress Response in Ancient vs. Commercial Tomato Plants*

**Lillian Coy**, Sophomore, Integrative Biology, LAS

(Research Mentor(s): Esther Ngumbi, Entomology)

**100.** *In the Limelight: An Investigation into Light Intensity as a Stressor in Sorghum*

**Steven Blanke**, Senior, Biochemistry, LAS

(Research Mentor(s): Sanbon Chaka Gosa, Plant Biology & Andrew Leakey, Plant Biology)

**101.** *Investigating Effects of Temperature on Germination of Native and Invasive Populations of Palmer Amaranth*

**Andres Lopez**, Freshman, Plant Biotechnology, ACES

(Research Mentor(s): Chance Riggins, Crop Science)

**102.** *Lunasin Variation Across Glycine Max Varieties: Implications for Functional Food Development*

**Aya Jabi**, Senior, Food Science & Human Nutrition, ACES

(Research Mentor(s): Elvira de Mejia, Food Science & Human Nutrition & Jennifer Kusumah, Food Science & Human Nutrition)

**103.** *Lycopene Turnover Rate in Mice*

**Kayleigh Cox**, Sophomore, Animal Sciences, ACES

(Research Mentor(s): John Erdman, Food Science & Human Nutrition & Molly Black, Food Science & Human Nutrition)

**104.** *Maternal Defense Strategies: Investigating Female Aggression in Dyeing Poison Frogs, *Dendrobates Tinctorius**

**Isabella Strohmeier**, Junior, Integrative Biology, LAS

(Research Mentor(s): Eva Fischer, Evolution, Ecology & Behavior & Sarah Westrick, Evolution, Ecology & Behavior)

**105.** *Multispectral Sorting to Reduce Aflatoxins in Bulk Maize Retains Some Efficacy when Tested under Less Controlled Field Conditions*  
**Julie Hwang**, Senior, Food Science, ACES  
 (Research Mentor(s): Matthew Stasiewicz, Food Science & Human Nutrition)

---

**106.** *QTL Analysis of Photosynthetic Traits in a MAGIC Maize Population under Cold Stress*  
**Casey Kramer**, Senior, Plant Biotechnology, ACES  
 (Research Mentor(s): Lisa Ainsworth, Plant Biology)

---

**107.** *Exploring National Support for Programmable Plant System Research*  
**Valerie Villafior**, Senior, History, LAS  
**Fangyi Shou**, Senior, Communication, LAS  
 (Research Mentor(s): Cabral Bigman, Communication & Sarah Benevento, Communication)

---

**108.** *Testing Assembly of Phylogenetic Markers from Low-Coverage Whole Genome Sequence Data in Fishes*  
**Varenja Jain**, Senior, Integrative Biology, LAS  
 (Research Mentor(s): Milton Tan, Illinois Natural History Survey)

---

**109.** *The Effects of Sire Line on Growth Performance, Loin, and Belly Quality*  
**Emma Frank**, Senior, Animal Sciences, ACES  
 (Research Mentor(s): Anna Dilger, Animal Sciences)

---

**110.** *To Branch or Not to Branch: Mapping a TILLERING Mutant in Maize*  
**Marie Shaffer**, Senior, Plant Biotechnology, ACES  
 (Research Mentor(s): Anthony Studer, Crop Sciences)

---

**111.** *Understanding and Predicting Phytoplasma Outbreaks: A Global Perspective*  
**Roxana Jafari Haddadian**, Freshman, Neural Engineering, ENG  
 (Research Mentor(s): Valeria Trivellone, Illinois Natural History Survey)

---

**112.** *Understanding Fine Root Traits in Corn Genotypes at Illinois Organic*  
**Claire Sullivan**, Junior, Natural Resources & Environmental Sciences, ACES  
 (Research Mentor(s): Carmen Marlene Ugarte Diaz, Natural Resources & Environmental Sciences)

---

**113.** *What Is Climate Smart Agriculture? : A Standardized Framework for Assessing the Effectiveness of Climate Smart Agriculture Systems and Practices*  
**Olivia Messerges**, Senior, Agricultural & Consumer Economics, ACES  
 (Research Mentor(s): Trent Ford, Prairie Research Institute)

---

**114.** *Evaluation of the Effects of Colostrum on Calf Health and Growth*  
**Jordyn Gerlach**, Senior, Animal Sciences, ACES  
 (Research Mentor(s): Derek Nolan, Animal Sciences)

## **PO – Culture & Society**

**2:00 PM – 3:15 PM, Illini Room A**

**1.** *Amplifying the Feed: College Students Exposure to Black-Related Content on Social Media*  
**Jennifer Quintana**, Senior, Human Development & Family Studies, ACES  
 (Research Mentor(s): Shardé Smith, Human Development & Family Studies & Chelsea Alexander, Human Development & Family Studies)

---

**2.** *Analysis of Socially Just Teacher Preparation in the State of Florida*  
**Sophia Dike**, Freshman, Secondary Education, EDU  
**Lesly Ortiz**, Junior, English, LAS  
 (Research Mentor(s): Rachel Roegman, Education Policy, Organization & Leadership)

---

**3.** *Faith and Foreign Relations: The Effect of Religious Values on Alliance Formation*  
**Nancy Mi**, Senior, Political Science, LAS  
 (Research Mentor(s): Don Casler, Political Science)

---

**4.** *Family Law Attorneys' Knowledge about Intimate Partner Violence: Implications for Their Screening Procedures*  
**Emilia Quinones**, Junior, Human Development & Family Studies, ACES  
 (Research Mentor(s): Emily Charvat, Human Development & Family Studies & Jennifer Hardesty, Human Development & Family Studies)

---

**5.** *Investigating College Readiness among First Generation College Students*  
**Sophie Chiewtrakoon**, Sophomore, Information Sciences, SIS  
 (Research Mentor(s): Anna Barkley, Education Policy, Organization & Leadership)

---

**6.** *Investigating Unintended Consequences: An Exploration into How State Behavioral Health Plans May Impact Youth Substance Use*  
**Kevin Dai**, Freshman, Electrical Engineering, ENG  
 (Research Mentor(s): Benjamin Campbell, Kinesiology & Community Health)

---

**7.** *Measuring Associations of Historic Racism and Health: Sundown Towns and Health in Illinois and Indiana*  
**Diego Lopez**, Junior, Geography & Geographic Information Science, LAS  
 (Research Mentor(s): Marynia Aniela Kolak, Geography & Geographic Information Science)

---

**8.** *Money for What?: Economic Arguments in Contemporary Reparations Rhetoric*  
**Avery Martin**, Junior, Psychology, LAS  
 (Research Mentor(s): Wallace Golding, Communication)

---

**9.** *Examining Human and Other-than-Human Interactions in Moose Parks through Visitor Reviews*  
**Yihao Chen**, Junior, Sociology, LAS  
 (Research Mentor(s): Emma Lundin, Recreation, Sport & Tourism)

**10. Quantifying the Effects of News Coverage on Humanitarian Aid Allocation**

**Saket Pochiraju**, Sophomore, CS + Geography & Geographic Information Science, LAS

**Anish Cherukuthota**, Sophomore, CS + Statistics, LAS

**Shashwat Mundra**, Sophomore, Computer Science, ENG

**Aryan Arora**, Sophomore, Computer Science, ENG

(Research Mentor(s): Eshwar Chandrasekharan, Computer Science & Koustuv Saha, Computer Science)

**11. Self Blame In Black Racial Trauma as Political Beings**

**Nidhi Patel**, Senior, Psychology, LAS

(Research Mentor(s): Alesha Lewis, Political Science)

**12. Shaping Minds in the Shadows of Gentrification: Gentrification and Its Implications for Children's Outcomes**

**Grace Beyers**, Senior, Human Development & Family Studies, ACES

(Research Mentor(s): Christy Lleras, Human Development & Family Studies)

**13. Shaping Public Trust: The Impact of Personal and Vicarious Experiences with the Police and Courts**

**LJ Brockington**, Senior, Political Science, LAS

(Research Mentor(s): Jeffery Mondak, Political Science)

**14. The American Mass Media & Acts of Mass Violence**

**Sean Murphy**, Junior, English, LAS

(Research Mentor(s): Zachary Jablow, Political Science)

**15. The Economic Issue of Contaminated Drinking Water**

**Erin Kelley**, Senior, Economics, LAS

(Research Mentor(s): Warren Lavey, College of Law)

**16. Treading Water: Hydropolitics in an Increasingly Torrid World**

**Max Issel**, Senior, Political Science, LAS

(Research Mentor(s): Nicholas Grossman, Political Science)

**17. El Salvador's Carceral State and Prison Politics**

**Alan Cervantes**, Sophomore, Political Science, LAS

(Research Mentor(s): Grazzia Maria Grimaldi, Anthropology)

**18. Allied and Non-Allied Mediators: The Case of Armenia and Azerbaijan**

**Stella Pashyan**, Freshman, Psychology, LAS

(Research Mentor(s): Jinwon Lee, Political Science)

**PP – Cells & Molecules**

**2:00 PM – 3:15 PM, Illini Room A**

**25. Altered Dopamine Release in Nucleus Accumbens during Lactation in Mice**

**Lara Villano**, Junior, Molecular & Cellular Biology, LAS

(Research Mentor(s): Patrick Sweeney, Molecular & Integrative Physiology & Tanya Pattnaik, Molecular & Integrative Physiology)

**26. Alternative Splicing (AS) Mediates Differential Cardiac Bioenergetics and Mitochondrial Dynamics in Myotonic Dystrophy Type 1 (DM1)**

**Pouya Nabie**, Senior, Biology, LAS

(Research Mentor(s): Auinash Kalsotra, Biochemistry & Fola Adesanya, Biochemistry)

**27. Auditory System Development in a Rat Model of Tuberous Sclerosis Complex**

**Laurel Hart**, Senior, Molecular & Cellular Biology, LAS

(Research Mentor(s): Benjamin Auerbach, Molecular & Integrative Physiology)

**28. Memory in Octopus Arms Based on Chemosensory Interactions**

**Trisha Pal**, Junior, Molecular & Cellular Biology, LAS

**Carina Dudick**, Sophomore, Molecular & Cellular Biology, LAS

(Research Mentor(s): Rhanor Gillette, Molecular & Integrative Physiology & Ekaterina Gribkova, Neuroscience Program)

**29. Dual Activity-Based Logic-Gate Reveals Crosstalk between Inflamed Tumor Microenvironment and Cancer Stem Cell Biomarker ALDH1A1**

**Lily Wenger**, Senior, Biochemistry, LAS

(Research Mentor(s): Jefferson Chan, Chemistry & Chelsea Swartchick, Chemistry)

**30. Endurance-Trained Pericyte-Derived Extracellular Vesicles to Improve Muscle Recovery Following Disuse Atrophy**

**Manasi Reddy**, Senior, Molecular & Cellular Biology, LAS

(Research Mentor(s): Marni Boppart, Kinesiology & Community Health & Alex Fliflet, Kinesiology & Community Health)

**31. Exploring the Lethal Impact of Various ParA Variants through Suppressor Mutations in *Caulobacter Crescentus***

**Tammy Guo**, Senior, Molecular & Cellular Biology, LAS

(Research Mentor(s): Paola Mera, Microbiology)



**32. Inheritance of an Unusual Poly-C Tract and Other Potential Variants in an East Asian Human Mitochondrial Lineage**  
**Eliana Eng**, Junior, Integrative Biology, LAS  
 (Research Mentor(s): Christina Cheng-De Vries, Evolution, Ecology & Behavior)

**33. Inhibiting Tyrosine Phosphorylation Alters Junctional  $\beta$ -Catenin Levels and Cell Shape**  
**Maya Raviv**, Senior, Molecular & Cellular Biology, LAS  
 (Research Mentor(s): William Briher, Cell & Developmental Biology)

**34. Investigating Ineleganolide: The Total Synthesis a Highly Oxygenated Norcembrenoid Diterpenoid**  
**Diego Lopez**, Junior, Chemistry, LAS  
 (Research Mentor(s): Dave Sarlah, Chemistry)

**35. Investigating Neurokinin-1 Receptor Antagonist Aprepitant as an Anticancer Drug**  
**Sofia Perry**, Senior, Biochemistry, LAS  
 (Research Mentor(s): David Shapiro, Biochemistry & Xinyi Dai, Biochemistry)

**36. Exploring the Optimization of Extracellular PEFA Production in Rhodotorula Yeast Strains**  
**Brooke Abel**, Freshman, Natural Resources & Environmental Sciences, ACES  
 (Research Mentor(s): Sujit Jagtap, Institute for Sustainability, Energy & Environment)

**37. Mechano-Activatable Diverse Aggregation-Induced Emission Luminogens**  
**Kecheng Wang**, Junior, Chemistry, LAS  
 (Research Mentor(s): Jeffrey Moore, Chemistry)

**38. MicroRNA: A Target for Treating Inflammation?**  
**Noah Johnson**, Parkland College  
 (Research Mentor(s): Chelsea Lloyd, Parkland College)

**39. Pulmonary Dysfunction and Potential Therapy in C-IRIS Conditions**  
**Lauren Kowalski**, Senior, Molecular & Cellular Biology, LAS  
 (Research Mentor(s): Makoto Inoue, Comparative Biosciences)

**40. Quantifying Vascular Endothelial Tight Junction Proteins in the Fetal Brain and Placenta during Maternal Immune Activation**  
**Kate Murphy**, Senior, Animal Sciences, ACES  
 (Research Mentor(s): Rafael Gonzalez-Ricon, Neuroscience Program & Adrienne Antonson, Animal Sciences)

**41. Reconstruction of Esophageal Connectome of Pathogenic *Heterodera Glycines***  
**Abby Thompson**, Junior, Integrative Biology, LAS  
 (Research Mentor(s): Nathan Schroeder, Crop Sciences & Jaeyeong Han, Crop Sciences)

**42. SP-10 Protein is Conserved as Backup for Reproductive Success in Mice**  
**Anastasia Pasynkov**, Junior, Integrative Biology, LAS  
 (Research Mentor(s): Prabhakara Reddi, Comparative Biosciences)

**43. Substrate Prediction for RiPP Biosynthetic Enzymes via Masked Language Modeling and Transfer Learning**  
**Joseph Clark**, Senior, Molecular & Cellular Biology, LAS  
 (Research Mentor(s): Xuenan Mi, Center for Biophysics & Quantitative Biology & Diwakar Shukla, Chemical & Biomolecular Engineering)

**44. The Production of Vitamin A in Hepatocytes Reduces Non-Alcoholic Fatty Liver Disease in Mice**  
**Delaina Sigman**, Senior, Food Science & Human Nutrition, ACES  
 (Research Mentor(s): Walter Monroy, Food Science & Human Nutrition & Jaume Amengual, Food Science & Human Nutrition)

**45. Ultra-Structural Analysis of Synaptonemal-Complex Remodeling at Crossover Sites by Using DNA-PAINT MINFLUX Nanoscopy**  
**Sasha Kakkassery**, Junior, Molecular & Cellular Biology, LAS  
 (Research Mentor(s): Huanyu Qiao, Comparative Biosciences)

**46. Validating microRNA Concentrations in Prostate Cancer Cell Lines to Correlate with Prostate Cancer Stage**  
**Trisha Patnaik**, Junior, Bioengineering, ENG  
 (Research Mentor(s): Siva Nalla, Bioengineering & Andrew Smith, Bioengineering)

**47. Quantifying Myelin Microstructure in Histology with Supervised Deep Learning**  
**Daniel Legowski**, Senior, Integrative Biology, LAS  
 (Research Mentor(s): Daniel Miller, Evolution, Ecology & Behavior & Simran Singh, Evolution, Ecology & Behavior)

**48. Analyzing the Relationship between Neighborhood Violence and PRMT6 Recruitment in Black Lung Cancer Patients**  
**Hannah McGee**, Sophomore, Molecular & Cellular Biology, LAS  
 (Research Mentor(s): Hannah Heath, Food Science & Human Nutrition & Zeynep Madak-Erdogan, Food Science & Human Nutrition)

## **PQ – Science & Technology**

**2:00 PM – 3:15 PM, Illini Room C**

**50. Allylic C-H Amination with Secondary Arylamines**  
**Andrew Yue**, Senior, Chemistry, LAS  
 (Research Mentor(s): Brenna Budaitis, Chemistry & M. Christina White, Chemistry)

**51. Analyzing Chaos and Symmetry in a random Linear Josephson Junction Array**  
**Cliff Sun**, Freshman, Engineering Physics, ENG  
 (Research Mentor(s): Alexey Bezryadin, Physics)

**52. Audiogenic Seizure Susceptibility in Rodent Models of Genetically-distinct Autism Spectrum Disorders**  
**Liz Soellner**, Senior, Neuroscience, LAS  
 (Research Mentor(s): Benjamin Auerbach, Molecular & Integrative Physiology & Noelle James, Beckman Institute)

**53. Cholinergic Modulation in Cognitive Performance**  
**Holly Rudolph**, Junior, Chemistry, LAS  
 (Research Mentor(s): Rachael Bell, Bioengineering)

**54. Developing an Engineering Testbed for Analyzing Networked Cyber-Physical Systems**

**Parvati Menon**, Junior, Computer Engineering, ENG  
**Waidat Bada**, Junior, Computer Engineering, ENG  
 (Research Mentor(s): Ashish Kashinath, Computer Science & Kirill Levchenko, Electrical & Computer Engineering)

**55. Effect of Caspase-1 Inhibition on Influenza Modulation of Experimental Autoimmune Encephalomyelitis**

**Ashley Wuebbels**, Junior, Animal Sciences, ACES  
 (Research Mentor(s): Andrew Steelman, Animal Sciences & Steven Krauklis, Nutritional Sciences)

**56. Geometric Phase Control of Transport Kinetics**

**Karnika Purohit**, Junior, Chemistry, LAS  
 (Research Mentor(s): Nancy Makri, Chemistry)

**57. Grid Resiliency Assessment Using a Cross-Covariance Method for Electrical Load Classification**

**Rabbi Bassoubouh Ba Dimai**, Parkland College  
 (Research Mentor(s): Roy McCann, University of Arkansas & Fred Felizco, University of Arkansas)

**58. Optimizing a Hairy Root Transformation Pipeline in Pumpkin Utilizing an Ultraviolet Fluorescent Reporter**

**Kevin Rattin**, Parkland College  
 (Research Mentor(s): Sarah Hind, Crop Sciences)

**59. Insecurities in AI-Generated Code**

**Jo Mohan**, Freshman, Computer Engineering, ENG  
**Litao Li**, Sophomore, Computer Science, ENG  
**Nevin Thomas**, Freshman, Computer Science, ENG  
**Sid Gurumurthi**, Sophomore, Electrical Engineering, ENG  
 (Research Mentor(s): Lawrence Angrave, Computer Science)

**60. Exploring Quantum Phase Slips in Superconducting Nanowire Single Photon Detectors**

**Harshvardhan Mantry**, Senior, Physics, ENG  
 (Research Mentor(s): Alexey Bezryadin, Physics)

**61. NMR Sensing Using Nitrogen Vacancy Centers in Diamond**

**Kyle Haggard**, Junior, Chemistry, LAS  
 (Research Mentor(s): Mikael Backund, Chemistry & David Durden, Chemistry)

**62. quAPL-V: Formal Verification in an Array Programming Language-Based Quantum Library**

**Bach Hoang**, Sophomore, Mathematics, LAS  
 (Research Mentor(s): Santiago Nunez Corrales, National Center for Supercomputing Applications & Phuong Cao, National Center for Supercomputing Applications)

**63. Review of Approaches to Modeling of Waste Resources Recovery Facilities**

**Martin Xu**, Freshman, Electrical Engineering, ENG  
 (Research Mentor(s): Ga-Yeong Kim, Civil & Environmental Engineering)

**64. Student Perceptions of the Acceptability of Generative AI Use in the Classroom**

**Sneha Chaliki**, Sophomore, Computer Science, ENG  
 (Research Mentor(s): Silas Hsu, Computer Science)

**65. Studying Quark-Gluon Plasma through New Oxygen Collisions at LHC**

**Prerana Singh**, Junior, Physics, ENG  
 (Research Mentor(s): Anne Sickles, Physics)

**66. The Synthesis and Isolation of Isomerically Pure Norbornenes**

**Yating Feng**, Junior, Chemistry, LAS  
 (Research Mentor(s): Keelee McCleary-Petersen, Chemistry & Damien Guironnet, Chemical & Biomolecular Engineering)

**67. Wrinkling-Resistant Dielectric Layers for Stretchable FETs**

**Grace Smith**, Senior, Mechanical Engineering, ENG  
 (Research Mentor(s): Kevin Zhao, Electrical & Computer Engineering & Hyunchul Kim, Mechanical Science & Engineering)

## PR – Design Thinking & Innovation

2:00 PM – 3:15 PM, Illini Room C

**68. “The Issue is Horsepower and Battery Life”: Farmers’ Perceptions of Electric Tractors**

**Olivia Charles**, Senior, Agricultural Communications, ACES  
 (Research Mentor(s): Amy Leman, Agricultural Leadership, Education & Communications)

**69. Archival Analysis of Bathing Challenges Faced by Older Adults with Mobility Disabilities**

**Ethan Mudd**, Senior, Interdisciplinary Health Sciences, AHS  
 (Research Mentor(s): Elena Remillard, Georgia Institute of Technology & Wendy Rogers, Kinesiology & Community Health)

**70. Broth-Based Biomaterial Cultivation: Enhancing Fabrication with a Closed-Loop System**

**John Puthiaparambil**, Sophomore, Electrical Engineering, ENG  
 (Research Mentor(s): Cesar Torres, University of Texas at Arlington)

**71. Characterization of Biodegradable Fiber-Reinforced Protein-Based Pneumatic Actuators**

**David Wilcoski**, Junior, Bioengineering, ENG  
 (Research Mentor(s): Holly Golecki, Bioengineering & Sandra Edward, Bioengineering)

**72. Design and Creation of a Soft Spring in Equilibrium for Twisted and Coiled Polymer Actuators**

**Shreyas Malladi**, Freshman, Mechanical Engineering, ENG  
 (Research Mentor(s): Qiong (Joan) Wang, Mechanical Science & Engineering)

**73. Designing Inclusive Bioinstrumentation Laboratory Courses through Equity Minded Teaching and Participatory Action Research**

**Megha Agrawal**, Junior, Bioengineering, ENG  
**Kaitlyn Faith Tuvilla**, Sophomore, Bioengineering, ENG  
 (Research Mentor(s): Rebecca Reck, Bioengineering)



**74. Elastic Cross Section of Tin Ions in an Extreme Ultraviolet Lithography Source**  
**Jack Gerrity**, Freshman, Nuclear, Plasma & Radiological Engineering, ENG  
 (Research Mentor(s): Nathan Bartlett, Nuclear, Plasma & Radiological Engineering)

**75. Tailoring the Interface: Norbornene Functionalization of Carbon Fiber for Frontally Cured Composites**  
**Warren Wellington**, Sophomore, Materials Engineering, ENG  
 (Research Mentor(s): Tyler Price, Beckman Institute & Nancy Sottos, Materials Science & Engineering)

**76. Human-Centered Design in Optimizing Fitness Benches**  
**Shuoning Shi**, Junior, Industrial Design, FAA  
 (Research Mentor(s): Suresh Sethi, Industrial Design)

**77. MIXR: An Academia-Industry Consortium for the Design and Development of Biomedical Extended Reality Technologies**  
**Bilal Karim**, Junior, Neuroscience, LAS  
 (Research Mentor(s): Irfan Ahmad, Biomedical & Translational Sciences & Mark Cohen, Biomedical & Translational Sciences)

**78. Spider Web Inspired Geogrids for Better Roads**  
**Emanuel Peralta**, Parkland College  
 (Research Mentor(s): Jiaojun Liu, Georgia Institute of Technology)

**79. Motion Control, Planning, and Safety Enforcement in Autonomous Vehicles**  
**Quan Vo**, Junior, Mechanical Engineering, ENG  
 (Research Mentor(s): Lin Song, Mechanical Science & Engineering)

**80. Application of 2.5D Topology Optimization in Medical Microtools**  
**Eric Nieto Gonzalez**, Senior, Electrical Engineering, ENG  
 (Research Mentor(s): Holly Golecki, Bioengineering & Tom Golecki, Mechanical Engineering)

## **PS – Nature, Life & Environment**

**2:00 PM – 3:15 PM, South Lounge**

**85. Analyzing Thin Sections of the Bushveld Igneous Complex of South Africa**  
**Avery Melrose**, Junior, Geology, LAS  
 (Research Mentor(s): Craig Lundstrom, Earth Science & Environmental Change)

**86. Association between Indoor Particulate Matter Exposure and Childhood Adiposity**  
**Tanya Karwande**, Junior, Community Health, AHS  
 (Research Mentor(s): Sheena Martenies, Kinesiology & Community Health & Alice Oloo, Kinesiology & Community Health)

**87. Controversies in Sustainable Development**  
**Steven Wu**, Freshman, Information Sciences + Data Science, SIS  
 (Research Mentor(s): Hannah Smith, School of Information Sciences & Jodi Schneider, School of Information Sciences)



**88. Deep-Sea Mining in the Clarion-Clipperton Zone**  
**Anna Logan**, Senior, Agricultural & Consumer Economics, ACES  
 (Research Mentor(s): Lucinda Cole, English)

**89. Determining Paternity of a Southern White Rhino Calf Using Microsatellite DNA Analysis**  
**Emma Schmidt**, Sophomore, Integrative Biology, LAS  
 (Research Mentor(s): Yasuko Ishida, Animal Sciences & Al Roca, Animal Sciences)

**90. Estimating Photosynthetic Parameters of Maize Plants with PPK Over-Expression Using Leaf Hyperspectral Reflectance**  
**Jane Fornes**, Sophomore, Natural Resources & Environmental Sciences, ACES  
 (Research Mentor(s): Lisa Ainsworth, Plant Biology & Michelle Zambrano, Plant Biology)

**91. Genetic Screen for Genes Involved in Photoprotection in Arabidopsis**  
**Nicholas Lisa**, Senior, Integrative Biology, LAS  
**Gerardo Amaro**, Senior, Integrative Biology, LAS  
 (Research Mentor(s): Steven Burgess, Plant Biology)

**92. Grass Interactions in Restored Prairie Systems, Part 1: Exploring Bee-Grass Relationships**  
**Jacob Chow**, Senior, Integrative Biology, LAS  
**Jessamine Britt**, Junior, Integrative Biology, LAS  
**Sophia Gardner**, Junior, Natural Resources & Environmental Sciences, ACES  
**Jacob Burns**, Senior, Natural Resources & Environmental Sciences, ACES  
 (Research Mentor(s): Alex Harmon-Threatt, Entomology & Anthony Yannarell, Natural Resources & Environmental Sciences)

**93. Grass Interactions in Restored Prairie Systems, Part 2: Biomass and Mycorrhizal Colonization**  
**Sophia Gardner**, Junior, Natural Resources & Environmental Sciences, ACES

**Jacob Burns**, Senior, Natural Resources & Environmental Sciences, ACES

**Jessamine Britt**, Junior, Integrative Biology, LAS

**Jacob Chow**, Senior, Integrative Biology, LAS

(Research Mentor(s): Alex Harmon-Threatt, Entomology & Tony Yannarell, Natural Resources & Environmental Sciences)

**94. Impact of the Social Environment on Male Bluefin Killifish Fin Growth**

**Jolene Blodgett**, Junior, Natural Resources & Environmental Sciences, ACES

**Daniele Baranauskaite**, Junior, Biology, LAS

**Edith Smelko**, Junior, Integrative Biology, LAS

(Research Mentor(s): Becky Fuller, Evolution, Ecology & Behavior)

**95. Increasing Nitrogen Sustainability through Microbial Inoculation and Carbon Addition**

**Madeline Rathbun**, Senior, Crop Sciences, ACES

**Emma Schnitzler**, Sophomore, Natural Resources & Environmental Sciences, ACES

(Research Mentor(s): Angela Kent, Natural Resources & Environmental Sciences & Isaac Klimasmith, Crop Sciences)

**96. Influence of Melatonin on the Successful Infection of *Daphnia dentifera* by *Metschnikowia Bicuspidata***

**Ashley Hughes**, Senior, Integrative Biology, LAS

(Research Mentor(s): Carla Cáceres, Evolution, Ecology & Behavior)

**97. Intensification Processes Inherent to the 2011 Joplin Merger Event**

**Morgan Siers**, Senior, Atmospheric Sciences, LAS

(Research Mentor(s): Brian Jewett, Climate, Meteorology & Atmospheric Sciences)

**98. Maize in Distress: Analyzing Volatile Organic Compounds under Varying Herbivory Stress Intensities**

**Jesus Vallejo**, Junior, Integrative Biology, LAS

(Research Mentor(s): Esther Ngumbi, Entomology)

**99. Mapping Near-Earth Supernovae: Past and Future**

**Kayleigh Excell**, Senior, Physics, ENG

(Research Mentor(s): Brian Fields, Astronomy)

**100. Measuring the Impact of Heat on *Wolbachia Pipientis* in *Culex Pipiens* Mosquito**

**Nina Shearrill**, Senior, Integrative Biology, LAS

(Research Mentor(s): Carla Cáceres, Evolution, Ecology & Behavior & Becky Cloud, Program in Ecology, Evolution & Conservation Biology)

**101. Mobilization of Redox Active Elements in Coal Ash in Varying Redox Conditions**

**Natalie Towle**, Freshman, Chemistry, LAS

(Research Mentor(s): Hannah Veldhuizen, Earth Science & Environmental Change)

**102. Nest Integration: A Novel Form of Food Acquisition by Altricial Fledglings**

**Erika Huerta**, Senior, Integrative Biology, LAS

(Research Mentor(s): Facundo Fernandez-Duque, Evolution, Ecology & Behavior)

**103. Odonata Species Co-Occurrence and Metacommunity Patterns in Artificial Pondscales**

**Suhani Peramanu**, Sophomore, Integrative Biology, LAS

(Research Mentor(s): Jason Bried, Illinois Natural History Survey)

**104. Predicting Rusty Patched Bumblebee (*Bombus affinis*) Presence Using Non-Target Bumblebee Occurrence and Abundance**

**Ella Huller**, Junior, Integrative Biology, LAS

(Research Mentor(s): Jason Bried, Illinois Natural History Survey)

**105. Real-Time *Pyrocumulonimbus* (*PyroCB*) Monitoring Using Satellite and Radar**

**Jacob Vile**, Senior, Atmospheric Sciences, LAS

(Research Mentor(s): Adrien Guyot, University of Queensland & Hamish McGowan, University of Queensland)

**106. Review and Comparison of Agritourism between Illinois Counties**

**Viktoriya Dragnevska**, Sophomore, Agricultural & Consumer Economics, ACES

(Research Mentor(s): Renata Endres, Agricultural & Consumer Economics & Bryan Endres, Agricultural & Consumer Economics)

**107. Novel Behavioral Assays Reveal Individual Differences in *Anemonefish***

**Gabriel Graham**, Junior, Psychology, LAS

(Research Mentor(s): Justin Rhodes, Psychology)

**108. Spatial Models of Evolutionary Dynamics**

**Seokhwan Moon**, Senior, Mathematics, LAS

(Research Mentor(s): Daniel Cooney, Mathematics)

**109. Stress Response across Tadpole Development**

**Wannie Mobo**, Parkland College

(Research Mentor(s): Lisa Surber-Cunningham, Evolution, Ecology & Behavior)

**110. The Effect of Imidacloprid on the Expression of Steroidogenic Genes in the Mouse Ovary**

**Winter Stubblefield**, Senior, Integrative Biology, LAS

(Research Mentor(s): Vasiliki Mourikes, Comparative Biosciences & Jodi Flaws, Comparative Biosciences)

**111. The Ontogeny of Aggression in Poison Frog Tadpoles**

**Katharine Klugman**, Junior, Integrative Biology, LAS

(Research Mentor(s): Eva Fischer, Evolution, Ecology & Behavior & Lisa Surber-Cunningham, Evolution, Ecology & Behavior)

**112. Treatment Trains versus a Single-Stage System: Synergies and Tradeoffs of Biochar-Enhanced Woodchip Bioreactors Systems for Nutrient Pollutant Control**

**Audrey Frost**, Sophomore, Agricultural & Biological Engineering, ACES

(Research Mentor(s): Rabin Bhattarai, Agricultural & Biological Engineering & Hongxu Zhou, Agricultural & Biological Engineering)

**113.** *Trends in Arctic Sea Ice Concentration Trends and Implications for Shipping*

**Zachary Takiff**, Senior, Computer Science, ENG  
(Research Mentor(s): Ryan Sriver, Climate, Meteorology & Atmospheric Sciences)

**114.** *Visualizing Pennsylvanian Coal Balls Using High-Resolution Microscopy*

**Sarah Johnson**, Junior, Integrative Biology, LAS  
**Kaybrie Camp**, Junior, Integrative Biology, LAS  
**Jacob Chow**, Senior, Integrative Biology, LAS  
(Research Mentor(s): Scott Lakeram, Plant Biology & Surangi Punnyasena, Plant Biology)

**115.** *Watershed-scale Analysis of Soil Moisture Content Modeling and Proxies*

**Kyle Baldwin**, Senior, Natural Resources & Environmental Sciences, ACES  
(Research Mentor(s): Sam Stickley, Natural Resources & Environmental Sciences)

**116.** *Investigating the Neural Correlates of Winning and Losing in Poison Frog Tadpoles*

**Lucas Jimenez**, Sophomore, Integrative Biology, LAS  
(Research Mentor(s): Eva Fischer, Evolution, Ecology & Behavior)

**PT – Health & Wellness**

**3:45 PM – 5:00 PM, Illini Room A**

**1.** *Assessing the Benefits of a Technology-Based Social Engagement Program for Care Partners of Persons with Dementia*

**Sylvia Merz**, Sophomore, Psychology, LAS  
**Melinda Jara**, Junior, Speech & Hearing Science, AHS  
(Research Mentor(s): Raksha Mudar, Speech & Hearing Science)

**2.** *Effectiveness of CKD Screening Program Using Proteinuria Test Strips among Marginalized Populations*

**Jasmine Bonsu**, Senior, Integrative Biology, LAS  
(Research Mentor(s): Kenneth Willund, Kinesiology & Community Health)

**3.** *Climate Change and Chronic Conditions: Crafting New Exercise Paradigms*

**Angela Chahine**, Sophomore, Interdisciplinary Health Sciences, AHS  
(Research Mentor(s): Sean Mullen, Kinesiology & Community Health)

**4.** *Depression Severity and Micronutrient Status among College Students: A Pilot Study*

**Nicoletta Spiliopoulos**, Sophomore, Undeclared, DGS  
**Anna Zlatic**, Sophomore, Dietetics & Nutrition, ACES  
**Samantha Golemba**, Junior, Dietetics & Nutrition, ACES  
**Avery Andersen**, Junior, Dietetics & Nutrition, ACES  
(Research Mentor(s): Elizabeth Brandley, Nutritional Sciences)

**5.** *Disparities in Medication Adherence among Patients with Type II Diabetes*

**Jennifer Lahey**, Senior, Molecular & Cellular Biology, LAS  
(Research Mentor(s): Hyojung Kang, Kinesiology & Community Health)

**6.** *Engaging Older Adults with Disabilities from Racial/Ethnic Minorities in Research*

**Fatima Pantoja Lara**, Freshman, Community Health, AHS  
(Research Mentor(s): Wendy Rogers, Kinesiology & Community Health & Elena Remillard, Georgia Institute of Technology)

**7.** *Evaluating Quantitative Methods for Neuroimaging to Improve Identification of Risk Factors for Post Traumatic Epilepsy*

**Dajana Duci**, Senior, Psychology, LAS  
(Research Mentor(s): Aaron Anderson, Beckman Institute)

**8.** *Exploring the Synergistic Function of Dietary/ Macular Carotenoids and Lipids on Attentional Inhibition in Children*

**Sophia Ramos**, Junior, Biology, LAS  
**Cozette Merza**, Sophomore, Creative Writing, LAS  
(Research Mentor(s): Naiman Khan, Kinesiology & Community Health & Charlotte Román, Neuroscience Program)

**9.** *How Do Male Calls in Mimic Poison Frogs Reflect Biparental Care?*

**Lauren Lindstrom**, Junior, Integrative Biology, LAS  
(Research Mentor(s): Eva Fischer, Evolution, Ecology & Behavior)

**10.** *Latina and Latino Experts' Perceptions of Activity-Friendly Routes to Everyday Destinations*

**Kate Gronlund**, Freshman, Interdisciplinary Health Sciences, AHS  
(Research Mentor(s): Mariela Fernandez, Recreation, Sport & Tourism & Kshitij Tewari, Recreation, Sport & Tourism)

**11.** *Mind Matters in Motion: Unraveling Affective Responses in High-Intensity Interval Training*

**Elizabeth Martinez**, Junior, Kinesiology, AHS  
**Aubrey Cervantes**, Junior, Kinesiology, AHS  
(Research Mentor(s): Steven Petruzzello, Kinesiology & Community Health & Jonathan North, Kinesiology & Community Health)

**12.** *Mindfulness Interventions for Building Resilience in People with Multiple Sclerosis (MS): A Scoping Review*

**Anika Gurbani**, Junior, Molecular & Cellular Biology, LAS  
**Adelina Grindeanu**, Junior, Molecular & Cellular Biology, LAS  
(Research Mentor(s): Chung-Yi Chiu, Kinesiology & Community Health & Vaishnavi Sridharan, Kinesiology & Community Health)

**13.** *Multiple Sclerosis Informal Caregivers*

**Mobolanle Salawu**, Sophomore, Community Health, AHS  
**Atlas Pilchen**, Sophomore, Interdisciplinary Health Sciences, AHS  
**Brianna Roberson**, Sophomore, Community Health, AHS  
**Gracie Laury**, Freshman, Psychology, LAS  
(Research Mentor(s): Chiu Chang, Disability Studies & Xiaolei Tang, Disability Studies)

**14.** *Perceived Barriers to Healthcare for Spanish-Speaking Chronic Kidney Disease Patients and Caregivers*

**Michelle Martinez**, Junior, Interdisciplinary Health Sciences, AHS  
(Research Mentor(s): Andiana Schwingel, Kinesiology & Community Health & Sadia Anjum Ashrafi, Kinesiology & Community Health)

**15.** *Recruitment and Engagement Strategies for Equitable Maternal Health and Child Development Research*

**Emma Darbro**, Junior, Brain & Cognitive Science, LAS  
(Research Mentor(s): Karen Tabb-Dina, Social Work & Xavy Ramirez, Social Work)

**16. RESPIRA+: A Culturally-tailored Yoga and Mindfulness Program to Decrease Psychological Distress and Increase Physical Activity among Latina Adolescents**

**Maritza Concepcion**, Junior, Community Health, AHS  
(Research Mentor(s): Yuliana Soto, Kinesiology & Community Health)

**17. Role of Exercise-Induced Exosomes on Adult Hippocampal Neurogenesis**

**Prithika Ravi**, Junior, Brain & Cognitive Science, LAS  
**Dan Rosu**, University High School  
(Research Mentor(s): Justin Rhodes, Psychology & Meghan Connolly, Neuroscience Program)

**18. Scoping Review of Communication in a Work Context in People with Multiple Sclerosis**

**Emily Jiang**, Junior, Psychology, LAS  
**Lani Salawu**, Sophomore, Community Health, AHS  
**Sabrina Fellingner**, Freshman, Theatre, FAA  
**Justice Howard-Lee**, Junior, Community Health, AHS  
**Nurudeen Salaudeen**, Junior, Interdisciplinary Health Sciences, AHS  
(Research Mentor(s): Chung-Yi Chiu, Kinesiology & Community Health & Xiaolei Tang, Kinesiology & Community Health)

**19. The Benefits of Physical Therapy for Children with Cerebral Palsy Go Beyond Treatment: Indirect Impact of 24-hour Movement Behaviors**

**Bianca Alfaro**, Junior, Kinesiology, AHS  
(Research Mentor(s): Rafael Tassitano, Kinesiology & Community Health)

**20. Asian/Asian Americans' Experiences with Loss of Face Worsened Anxiety Symptoms during the COVID-19 Pandemic**

**Mia Nieto**, Junior, Psychology, LAS  
(Research Mentor(s): Chenhao Zhao, Psychology & Carla Hunter, Psychology)

**21. The Influence of Dysphagia on Eating Behaviors in Individuals with Multiple Sclerosis: A Literary Review**

**Delaney Bach**, Senior, Interdisciplinary Health Sciences, AHS  
**Natalya Cheema**, Senior, Interdisciplinary Health Sciences, AHS  
(Research Mentor(s): Chung-Yi Chiu, Kinesiology & Community Health & Vaishnavi Sridharan, Kinesiology & Community Health)

**22. Urinalysis Device**

**Soundarya Sivakumar**, Sophomore, Bioengineering, ENG  
**Renee Bhanvadia**, Sophomore, Bioengineering, ENG  
**Rey Jain**, Sophomore, Bioengineering, ENG  
**Zedong Hao**, Sophomore, Systems Engineering & Design, ENG  
**Asmaa Mansour**, Freshman, Bioengineering, ENG  
(Research Mentor(s): Jenny Amos, Bioengineering)

**23. Understanding the Preferences of Older Adults in Using Virtual Reality to Support Social Engagement**

**Afnaan Afsar Ali**, Junior, Community Health, AHS  
(Research Mentor(s): Wendy Rogers, Kinesiology & Community Health & George Mois, Kinesiology & Community Health)

## PU – Education, Learning & Human Development

3:45 PM – 5:00 PM, Illini Room A

**25. A Pilot Evaluation of a Transition Services Instructional Program for Youth with Intellectual and Developmental Disabilities**

**Warren Jodjana**, Sophomore, CS + Geography & Geographic Information Science, LAS  
(Research Mentor(s): Megan Best, Special Education)

**26. Analysis of Academic Testing Methods and Intrinsic Student Motivation**

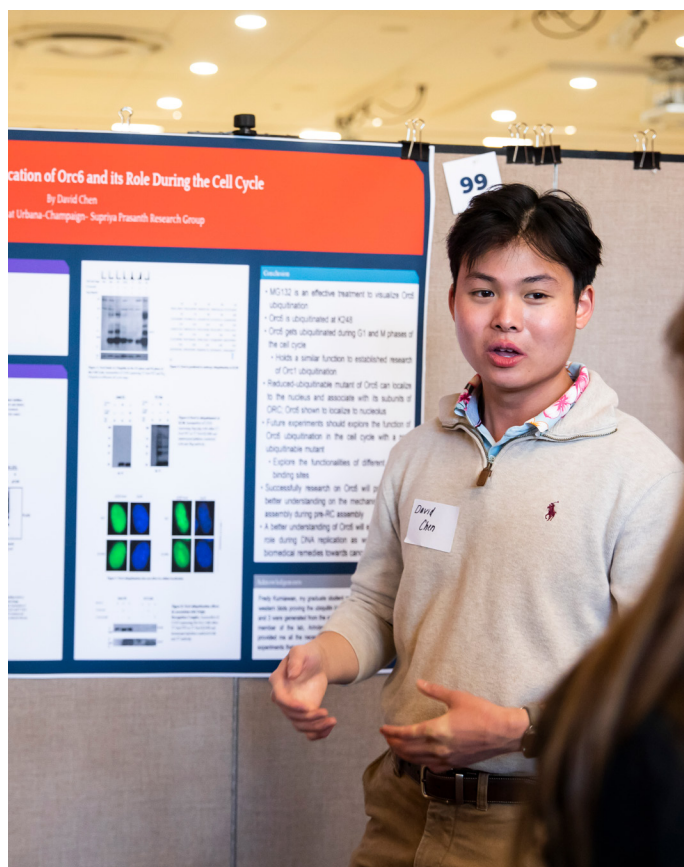
**Kajal Patel**, Sophomore, Computer Science, ENG  
(Research Mentor(s): Geoffrey Herman, Computer Science)

**27. Assessment Preferences and Accommodations: A Comparative Study in the Classroom**

**Yusra Ansari**, Sophomore, Nutrition & Health, ACES  
**Sinan Anwar**, Sophomore, Interdisciplinary Health Sciences, AHS  
**Valerie Weinschenker**, Sophomore, Interdisciplinary Health Sciences, AHS  
**Brian Hanus**, Senior, Agricultural & Consumer Economics, ACES  
(Research Mentor(s): Toni Marie Gist, Food Science & Human Nutrition)

**28. Data Science Clicker**

**Megan Ja**, Senior, CS + Economics, LAS  
**Emily Ho**, Junior, Computer Science + Geography & Geographic Information Science, LAS  
(Research Mentor(s): Wade Fagen-Ulmschneider, Computer Science & Karle Flanagan, Statistics)



**29. Developing Content Acquisition Podcasts to Support Administrator Support for and Understanding of Adapted Physical Education**  
**Klayton Donoghue**, Senior, Kinesiology, AHS  
(Research Mentor(s): Kevin Richards, Kinesiology & Community Health)

---

**30. Developing Inclusive Outreach Materials in Mathematics**  
**Jane Pak**, Junior, Mathematics, LAS  
**Yuri Chen**, Junior, Mathematics, LAS  
**Chen-Wei Chou**, Senior, Mathematics, LAS  
**Anmol Shah**, Freshman, Computer Engineering, ENG  
(Research Mentor(s): Karen Mortensen, Mathematics & Ada Stelzer, Mathematics)

---

**31. Enhancing Learning through AI-Driven Summarization and Segment Extraction**  
**Ruiqing Yu**, Senior, CS + Statistics, LAS  
(Research Mentor(s): Lawrence Angrave, Computer Science)

---

**32. Expanding the Impact of MicroCredentials@Illinois with Self-Service Issuance for Verified Professors**  
**Lauren Hyde**, Freshman, Computer Science, ENG  
**Michelle Ru**, Sophomore, Computer Science + Chemistry, LAS  
(Research Mentor(s): Wade Fagen-Ulmschneider, Computer Science & Karle Flanagan, Statistics)

---

**33. Exploring Case-Based Learning and Leadership Learning Outcome in UIUC Bioengineering Master's Program**  
**Otniel Fernandez**, Senior, Information Sciences, SIS  
**Felicity Tuan**, Junior, Accountancy, BUS  
(Research Mentor(s): Olivia Coiado, Bioengineering)

---

**34. Exploring Strategies Used by Undergraduate French Learners in Critical Literacies Education: A Qualitative Study**  
**Lydia Oesterling**, Freshman, Linguistics, LAS  
(Research Mentor(s): Julia Gorham, French & Italian)

---

**35. Exploring the Influence of Personality on Learning Statistics**  
**Priyadharshini Sriramalatha**, Senior, Psychology, LAS  
**Aparajita Vemuri**, Senior, Psychology, LAS  
(Research Mentor(s): V. N. Vimal Rao, Statistics)

---

**36. Lived Experiences of Students with Disabilities**  
**Finn Diffenderfer**, Freshman, Secondary Math Education, EDU  
(Research Mentor(s): Emily Tarconish, Special Education)

---

**37. Peer Review of a Peer Review Training Resource: A Case Study with Undergraduate Students**  
**Samuele Longo**, Sophomore, Philosophy, LAS  
(Research Mentor(s): Janaynne Carvalho do Amaral, School of Information Sciences)

---

**38. Redefining Education Through Emergent Curriculum: Exploring the Impact of Reggio Emilia-Inspired Practices on Student Engagement and Intrinsic Motivation in Grades 2-5**  
**Ryan McMahon**, Freshman, Secondary Education, EDU  
(Research Mentor(s): Ali Lewis, University Primary School)

---

**39. Strategies and Experiences of Students with ADHD and Teachers in Elementary and Secondary Education**  
**Kathryn Riesing**, Freshman, Secondary Education, EDU  
**Beata Graca**, Freshman, Elementary Education, EDU  
(Research Mentor(s): Cheryl Light Shriner, Special Education)

---

**40. Study of the Relationship between Time and How It Impacts Student's Perceived Leadership Behaviors**  
**Lucy Moss**, Sophomore, Agricultural Leadership, Education, & Communications, ACES  
**Canyn Borntreger**, Junior, Agricultural Leadership, Education, & Communications, ACES  
(Research Mentor(s): David Rosch, Agricultural Leadership, Education & Communications & Madison Michels, Agricultural Leadership, Education & Communications)

---

**41. The Correlations between Parent's Goals and Parenting Practices: Context as the Moderator**  
**Lening Liu**, Junior, Psychology, LAS  
(Research Mentor(s): Jiawen Wu, Psychology)

---

**42. The Effects of Parent Involvement on a Student's Self Regulated Learning during Online Learning**  
**Jada Jacobson**, Freshman, Elementary Education, EDU  
(Research Mentor(s): Jon Hale, Education Policy, Organization & Leadership)

---

**43. The Implementation of Culturally Responsive Pedagogy for Inclusive Curriculums**  
**Emily Castillo**, Sophomore, English, LAS  
(Research Mentor(s): Christopher Getowicz, Education Policy, Organization & Leadership)

---

**44. Transforming the Way We Learn**  
**Maksymilian Noga**, Senior, Strategic Business Development & Entrepreneurship, BUS  
(Research Mentor(s): Judith White, Business Administration)

---

**45. Understanding How Teacher and Students Use Multiple Channels to Support Student's Fraction Learning**  
**Junmee Park**, Freshman, CS + Education, EDU  
(Research Mentor(s): Tiffany Reyes Denis, Educational Psychology)

---

## **PV – Social Science & Human Behavior**

**3:45 PM – 5:00 PM, Illini Room C**

**50. An Analysis of Interest Group Alliances and In-Group Behavior**  
**Kate Garton**, Sophomore, Political Science, LAS  
**Martha Sulzen**, Sophomore, Political Science, LAS  
(Research Mentor(s): Søren Warland, Political Science)

---

**51. Cued Task Switching in Young Adults**  
**Natalia Rzepa**, Senior, Speech & Hearing Science, AHS  
**Holly Panfil**, Senior, Speech & Hearing Science, AHS  
(Research Mentor(s): Raksha Mudar, Speech & Hearing Science)

---

**52. Developing A System to Report Indoor Environment and Dietary Data for Study Participants**  
**Vinh Vo**, Senior, Interdisciplinary Health Sciences, AHS  
(Research Mentor(s): Sheena Martenies, Kinesiology & Community Health)

---

**53. Elicitation of Pleasurable Emotions through Activity Engagement**

**Jasmine Jacobson**, Senior, Psychology, LAS  
(Research Mentor(s): Howard Berenbaum, Psychology)

**54. Entrainment to Naturally and Rhythmically Spoken Speech: Effect of Age and Hearing Loss**

**Brianna Osmon**, Sophomore, Kinesiology, AHS  
(Research Mentor(s): Dan Fogerty, Speech & Hearing Science)

**55. Examining the Social Networks of LGB and Heterosexual Sexual Assault Survivors**

**Yichen Wang**, Sophomore, Gender & Women's Studies, LAS  
(Research Mentor(s): Allyson Blackburn, Psychology)

**56. Exploring Diverse Experiences with Anger among Incarcerated Women**

**Christine Kwon**, Senior, Social Work, SSW  
(Research Mentor(s): Rachel Garthe, Social Work)

**57. How Does America Conceptualize Democracy?**

**Rhea Dcosta**, Freshman, Finance + Data Science, BUS  
(Research Mentor(s): Seongjoon Ahn, Political Science)

**58. Identifying Important Identities: What Individuals Value in Themselves and Others**

**Isabel Escapa**, Junior, Psychology, LAS  
**Sam Ya**, Freshman, Psychology, LAS  
(Research Mentor(s): Isaiah Rose Raynal, Political Science)

**59. Intercommunication between Resident and Patient Using Communication Accommodation Theory**

**William Monroe**, Junior, Communication, LAS  
**Aranya Adams**, Sophomore, Psychology, LAS  
(Research Mentor(s): Lisa Guntzviller, Communication & Lindsay Kelpinski, Communication)

**61. Online Adult Entertainment Platforms: Understanding Motivations and Differences between the Users and Non-Users**

**Claire Grossen**, Freshman, Interdisciplinary Health Sciences, AHS  
(Research Mentor(s): Sohyeon Kim, Recreation, Sport & Tourism & Liza Berdychevsky, Recreation, Sport & Tourism)

**62. The Association between Parental Alcohol Use Disorder and Offspring Personality Traits: A Study of Young Adults**

**Yujung Son**, Senior, Psychology, LAS  
(Research Mentor(s): Catharine Fairbairn, Psychology & Rosalie Ruhlmann, Psychology)

**63. The Effect of Family Conflict and Cohesion on Adolescent Risk-Taking**

**Melanie Gomez**, Senior, Psychology, LAS  
(Research Mentor(s): Ava Briley, Psychology)

**64. The Effects of Sexual Education Experiences and Personality on Sexual Communication Behaviors**

**Kristen Gates**, Senior, Psychology, LAS  
(Research Mentor(s): Emily Mendelson, Communication & John Caughlin, Communication)

**65. Travel and Tourism; Social Science and Human Behavior**

**Kennedi Foster**, Sophomore, Psychology, LAS  
(Research Mentor(s): Joelle Soulard, Recreation, Sport & Tourism & Zack Russell, Recreation, Sport & Tourism)

**PW – Science & Technology**

**3:45 PM – 5:00 PM, Illini Room C**

**68. Developing a Platform for Integration of Photoacoustic Imaging with Ultrasound Neurostimulation**

**Naphat Siripun**, Freshman, Mechanical Engineering, ENG  
(Research Mentor(s): Shensheng Zhao, Electrical & Computer Engineering)

**69. Development of a Particle-in-Cell Scheme in Python for Research in Computational Plasma**

**Tyler Heaney**, Senior, CS + Philosophy, LAS  
(Research Mentor(s): Md Fazlul Huq, Nuclear, Plasma & Radiological Engineering)

**70. Development of an Automated BioModel Selection System for Synthetic Biology Gene Circuit Design**

**Michelle Zeng**, Sophomore, Bioengineering, ENG  
(Research Mentor(s): Poh Chueh Loo, National University of Singapore)

**71. Effects of Age, Hearing Loss, and Test Modality on Memory for Backward Digits**

**Megan Thing**, Freshman, Speech & Hearing Science, AHS  
(Research Mentor(s): Daniel Fogerty, Speech & Hearing Science)

**72. Exploring Dynamic Mechanical Analysis (DMA) Set-Up: Expanding Frequency Range and Improving Performance**

**Hyunwoo Kwon**, Junior, Mechanical Engineering, ENG  
**Myung Jung**, Senior, Engineering Mechanics, ENG  
(Research Mentor(s): Kathryn Matlack, Mechanical Engineering & Science & Nusrat Jahan Salim, Mechanical Engineering & Science)

**73. Flashing Automatic Contour Tracer (FACT): A Novel Electron Cutout Digitization Method for Radiation Therapy**

**Siddhant Sen**, Freshman, Brain & Cognitive Science, LAS  
(Research Mentor(s): Jooyoung Sohn, University of Chicago)

**74. Ground State Energy of Hydrogen Using Variational Monte Carlo**

**Aman Jhurani**, Freshman, Engineering Mechanics, ENG  
(Research Mentor(s): Shubhang Goswami, Physics)

**75. Leveraging Virtual Reality to Facilitate Cognitive Engagement**

**Dhruti Rajesh**, Sophomore, Systems Engineering & Design, ENG  
(Research Mentor(s): George Mois, Kinesiology & Community Health)

**76. Machine Learning Dopant Energetics in Organic Semiconductors**

**Reesa Cailey Espera**, Sophomore, Chemical Engineering, LAS  
(Research Mentor(s): Archana Verma, Chemical & Biomolecular Engineering & Nicholas Jackson, Chemistry)

**77. Metals. Microbes. Metabolism.**

**Neha Siram**, Freshman, Biology, LAS  
**Nikhil Cowart**, Sophomore, Chemistry, LAS  
**Alexandra Mazur**, Sophomore, Chemistry, LAS  
(Research Mentor(s): Anastasia Manesis, Chemistry)

**78. Modeling the Endosome to Understand the Membrane Fusion Mechanism of LNP-Mediated RNA Delivery**  
**Alice Gao**, Junior, Materials Engineering, ENG  
 (Research Mentor(s): Cecilia Leal, Materials Science & Engineering)

**79. Serial Measurement of Fecal Calprotectin in Healthy Horses Administered the NSAID Phenylbutazone**  
**Nidhi Shanthappa**, Freshman, Neuroscience, LAS  
 (Research Mentor(s): Rebecca Bishop, Comparative Biosciences)

**80. Simulating the Loss Functions of Aerosol Particles Using PyPartMC**  
**Lecanne Smith**, Senior, Atmospheric Sciences, LAS  
 (Research Mentor(s): Nicole Riemer, Climate, Meteorology & Atmospheric Sciences & Zach D'Aquino, Climate, Meteorology & Atmospheric Sciences)

**81. Harnessing Instabilities during Frontal Ring-Opening Metathesis Polymerization for Spontaneous Material Patterning**  
**Amanda Watson**, Sophomore, Chemical Engineering, LAS  
 (Research Mentor(s): Anna Cramblitt, Materials Science & Engineering)

**82. Multi-scale Morphology Control of 3D Printed Structures Using Frontal Polymerization**  
**Elli Lu**, Freshman, Chemistry, LAS  
 (Research Mentor(s): Pranav Krishnan, Materials Science & Engineering)

**83. Usability Testing of a Digital Medication Self-Management Tool for Persons with Mild Cognitive Impairment**  
**Alexa Worthley**, Freshman, Interdisciplinary Health Sciences, AHS  
**Sneha Nippani**, Freshman, Neuroscience, LAS  
**Zoe Wang**, Freshman, Statistics, LAS  
 (Research Mentor(s): Raksha Mudar, Speech & Hearing Sciences & Eliza Baby, Speech & Hearing Science)

**PX – Cells & Molecules**  
**3:45 PM – 5:00 PM, South Lounge**

**85. 3D Printing Gelatin Droplets for Micromolecule Delivery**  
**Zoyia Khan**, Sophomore, Bioengineering, ENG  
 (Research Mentor(s): Genesis Rios-Adorno, Chemical & Biomolecular Engineering & Brendan Harley, Chemical & Biomolecular Engineering)

**86. A Machine Learning Approach to Reaction Optimization for Automated Synthesis**  
**Sofia Sivilotti**, Junior, CS + Chemistry, LAS  
 (Research Mentor(s): Nick Jackson, Chemistry)

**87. A Novel Biosensor for Quantifying Traction Force and Stiffness in 3D Cell-ECM Tissues**  
**Aja Phan**, Junior, Mechanical Engineering, ENG  
 (Research Mentor(s): Bashar Emon, Mechanical Science & Engineering & Taher Saif, Mechanical Science & Engineering)

**89. Analyzing Tumor Heterogeneity in Liver Specific ER+ Metastatic Breast Cancer**  
**Nandana Varma**, Freshman, Molecular & Cellular Biology, LAS  
 (Research Mentor(s): Zeynep Madak-Erdogan, Food Science & Human Nutrition & Jin Young Yoo, Food Science & Human Nutrition)

**90. Assessing Glioblastoma Migration in Gelatin Maleimide Granular Hydrogels**  
**Joel Kattoor**, Sophomore, Molecular & Cellular Biology, LAS  
 (Research Mentor(s): Brittany Payan, Chemical & Biomolecular Engineering)

**91. Bacteriophage and Bacterial Defense Discovery for Applications in Phage Therapeutics**  
**Catherine La**, Junior, Integrative Biology, LAS  
**Prakriti Shankar**, Sophomore, Biochemistry, LAS  
 (Research Mentor(s): Asma Hatoum-Aslan, Microbiology)

**92. Burrowing Behavior as an Assessment for Disease Progression in a Syngeneic Mouse Model of Glioblastoma**  
**Julianna Padilla**, Junior, Molecular & Cellular Biology, LAS  
 (Research Mentor(s): Payton Haak, Animal Sciences & Andrew Steelman, Animal Sciences)

**93. Characterizing Archaeal Viruses from Yellowstone Hot Springs**  
**Catherine Koterba**, Senior, Molecular & Cellular Biology, LAS  
 (Research Mentor(s): Changyi Zhang, Carl R. Woese Institute for Genomic Biology)

**94. Dark Induced Phosphorylation of Sorghum Rubisco Activase in Arabidopsis In-vivo**  
**Maxwell Straus**, Sophomore, Integrative Biology, LAS  
 (Research Mentor(s): Sarah Chung, Plant Biology)

**95. Effects of Cell Concentration on Printability and Viability of Hydrogels**  
**Tara Mukherjee**, Freshman, Chemical Engineering, ENG  
 (Research Mentor(s): Genesis Rios-Adorno, Chemical & Biomolecular Engineering)

**96. Engineering Enzymes to Improve Photosynthetic Efficiency**  
**Hannah Rockwell**, Junior, Agricultural & Biological Engineering, ENG  
 (Research Mentor(s): Laurie Leonelli, Agricultural & Biological Engineering & Jake Harris, Agricultural & Biological Engineering)

**97. Epoxidation of Camptotheca by Cytochrome P450**  
**Gordon Sara**, Senior, Biochemistry, LAS  
 (Research Mentor(s): Mary Schuler, Cell & Developmental Biology)

**98. Exploring B-ionone's Influence on Macrophage Phenotype**  
**Kriti Maiya**, Junior, Molecular & Cellular Biology, LAS  
 (Research Mentor(s): Jaume Amengual, Food Science & Human Nutrition & Colin Xiao, Food Science & Human Nutrition)

**99. Exploring the Varied Modifications of CNF and DNT Toxins on RhoA GTPase**  
**Jacob Sowizral**, Senior, Biology, LAS  
 (Research Mentor(s): Brenda Wilson, Microbiology & Mengfei Ho, Microbiology)

**100. Influenza A Virus during Pregnancy Disrupts Fetal Cortical Development in Mice**  
**Jiewen Chen**, Senior, Integrative Biology, LAS  
 (Research Mentor(s): Ashley Otero, Neuroscience Program & Adrienne Antonson, Animal Sciences)

**101.** *Investigating the Mechanism of an Iron-Dependent Enzyme in Unusual Peptide Modifications*

**Sumehra Taj**, Junior, Chemistry, LAS

(Research Mentor(s): Wilfred van der Donk, Chemistry & Jeff Chen, Chemistry)

---

**102.** *Investigating the Role of Storage Lipids on Yeast Longevity*

**Lydia Taylor**, Senior, Materials Engineering, ENG

(Research Mentor(s): Christopher Rao, Chemical & Biomolecular Engineering & Sujit Jagtap, Chemical & Biomolecular Engineering)

---

**103.** *Laboratory-Reared Honey Bees Display Downregulated Brain Gene Expression Associated with Phototransduction*

**Amy Gomez-Lopez**, Junior, Crop Sciences, ACES

(Research Mentor(s): Gene Robinson, Carl R. Woese Institute for Genomic Biology & Melissa E. Flores, Neuroscience Program)

---

**104.** *Lactate Production in Schizophrenia Mouse Models: Effects of L-Lactate Treatment*

**Erika Huerta**, Senior, Integrative Biology, LAS

(Research Mentor(s): Maltesh Kambali, Comparative Biosciences)

---

**105.** *Metal Ion Abundance in Cystic Fibrosis Lungs Significantly Alters the Swarming Motility of Pseudomonas aeruginosa*

**Gillian Krughoff**, Sophomore, Chemistry, LAS

(Research Mentor(s): Jonathan Sweedler, Chemistry & Joenisse Marie Rosado-Rosa, Chemistry)

---

**106.** *Optimization of the Method to Label Circulating Monocytes in Mice*

**Eva Hu**, Sophomore, Food Science & Human Nutrition, ACES

(Research Mentor(s): Amparo Cirer, Food Science & Human Nutrition & Jaume Amengual, Food Science & Human Nutrition)

---

**107.** *Quantifying Microglial Activation States & Standardizing Morphometric Analysis*

**Katilyn Simmons**, Senior, Molecular & Cellular Biology, LAS

(Research Mentor(s): Simran Singh, Evolution, Ecology & Behavior & Dan Miller, Evolution, Ecology & Behavior)

---

**108.** *Small Molecule Mobilizers Outperform Chelators in Mitigating Neurodegeneration*

**Patricia Madel**, Senior, Molecular & Cellular Biology, LAS

(Research Mentor(s): Samantha Brown, Chemistry & Martin Burke, Chemistry)

---

**109.** *Synthesis of Precursors and Ligands for Novel Multifunctional Theranostics for Alzheimer's Disease*

**Jazmin Garcia**, Junior, Chemistry, LAS

(Research Mentor(s): Liviu Mirica, Chemistry & Lali Gutierrez, Chemistry)

---

**110.** *The Antioxidant Effect to Counter Radiation in Aging/ Neurotoxicity Genes*

**Faisal Ahmad**, Senior, Psychology, LAS

(Research Mentor(s): Catherine Alicia Best-Popescu, Bioengineering)

**111.** *The Role of TipN, ParA, and DnaA-Mediated DNA Replication Initiation in Centromere Segregation*

**Corey Trela**, Sophomore, Molecular & Cellular Biology, LAS

(Research Mentor(s): Morgan Letzkus, Microbiology & Paula Mera, Microbiology)

---

**112.** *Total Synthesis of the 4-Epinimbin, a Promising Anticancer Compound Derivative*

**Vinny Pillai**, Junior, Chemistry, LAS

(Research Mentor(s): David Sarlah, Chemistry)

---

**114.** *Treating Huntington's Disease Using CRISPR-Cas9 Gene Editing*

**Sreya Mummadi**, Junior, Molecular & Cellular Biology, LAS

(Research Mentor(s): Katherine Tan, Bioengineering)

---

**115.** *Mechanism of Co-existence of Uninfected and Infected Pseudomonas aeruginosa in Cystic Fibrosis patients*

**Ahmad Hassan**, Senior, Molecular & Cellular Biology, LAS

(Research Mentor(s): Jayadevi Chandrashekar, Institute for Genomic Biology & Laura Catherine Suttentfield, Institute for Genomic Biology)

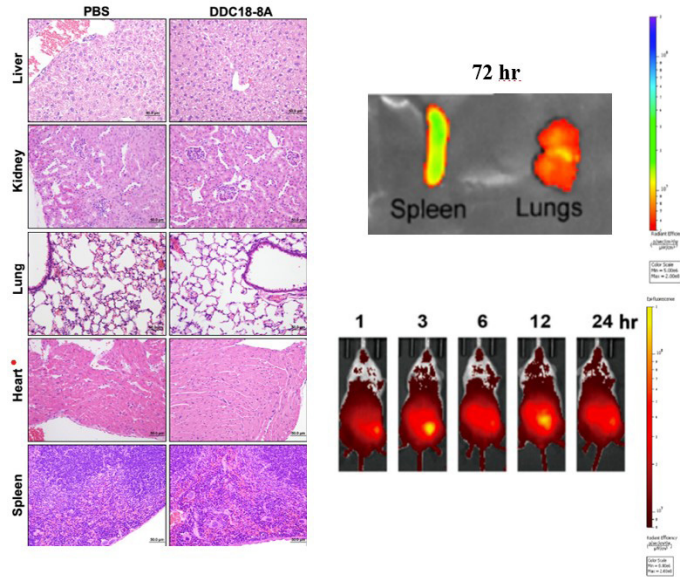


# Image of Research Competition

Each image you see in this section has an accompanying narrative.  
 You can read the narratives that go along with each submission at:  
[go.illinois.edu/IOR\\_Entries](http://go.illinois.edu/IOR_Entries)

The Image of Research is a multidisciplinary competition celebrating the diversity and breadth of undergraduate student research at the University of Illinois Urbana-Champaign. All undergraduate students were invited to submit entries consisting of an image and brief text that articulates how the image relates to the research.

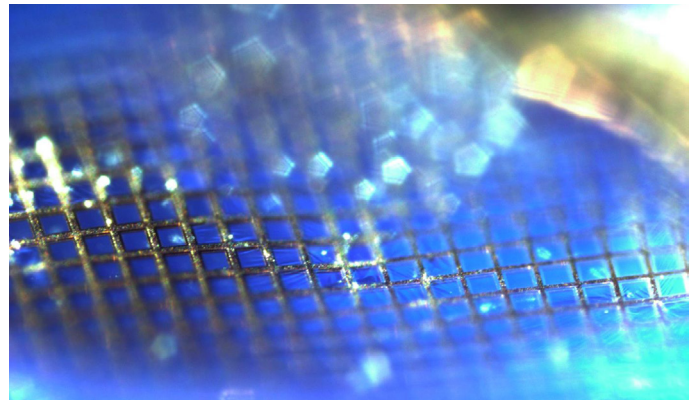
The Image of Research – UR Edition is organized by the University Library and the Office of Undergraduate Research and is supported by a generous gift from the Teaching, Learning, and Academic Support unit in the University Library.



*"Effective, Safe, and Persevering": A Novel Antibiotic, DDC 18-8A*  
**Noah King**, Senior, Integrative Biology Honors, LAS

## 2024 Competition Judges

- **Merinda Kaye Hensley**, University Library
- **Megan Tafalla**, Library Student Worker, Orange Room
- **Jenni Diaz Garcia**, Graduate Assistant, University Library
- **Chris Holmes**, Office of Undergraduate Research
- **Stephanie Luke**, University Library
- **Elizabeth Rockman**, Campus Honors Program
- **Mary Ton**, University Library
- **Trix Welch**, Graduate Assistant, University Library



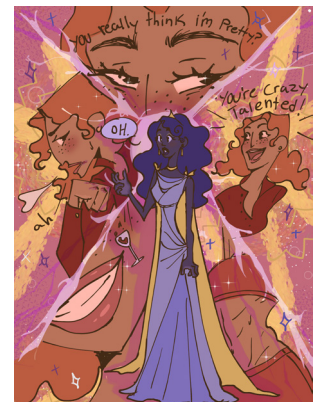
*Visualizing the Unseen: Exploring Metal Nanoparticles through Transmission Electron Microscopy (TEM) and Automated Deposition Techniques*  
**Diana Pham**, Senior, Mechanical Engineering, ENG



*Queremos Vivir, No Sobrevivir*  
**Melissa Rivera**, Junior,  
 Studio Art, FAA



*Painting the Brain Red with mCherry*  
**Lara Villano**, Junior,  
 Molecular & Cellular Biology, LAS

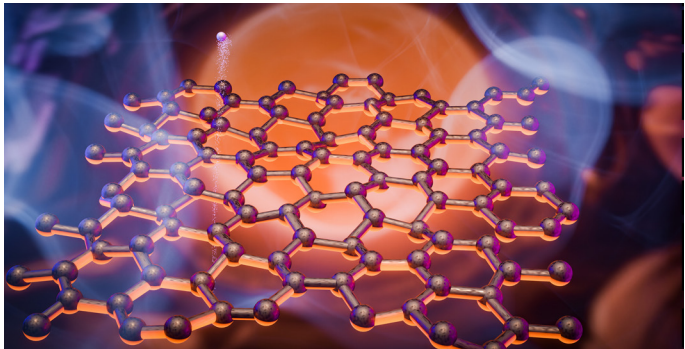


*Aawww+*  
**Dayanara Baez**, Senior,  
 Studio Art, FAA

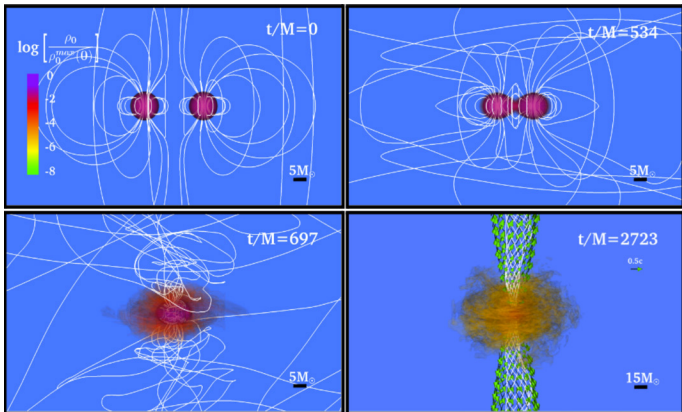
To view past entries, please visit: [go.library.illinois.edu/pastwinners](http://go.library.illinois.edu/pastwinners)



*Ode to Us*  
**Londarius Hayes**, Senior, Architecture, FAA



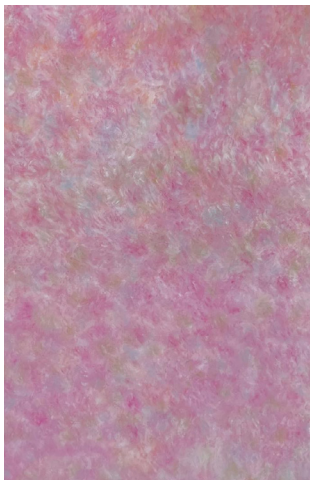
*Revealing the Unseen: Visualizing Electron Dynamics in Graphene*  
**Noor Elbanna**, University High School



*A Cosmic Dance: Binary Neutron Star Mergers*  
**Rohan Narasimhan**, Junior, Engineering Physics, ENG



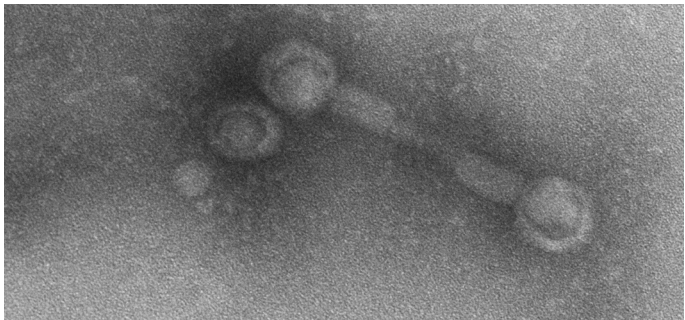
*Don't Hit Your Head on the Ceiling Fan, 2024*  
**Emma Haugh-Ewald**, Senior, Studio Art, FAA



*Petals*  
**Sujin Park**, Junior,  
 Art & Design, FAA



*Juice WRLD Ceramic Art Tribute*  
**Meyaz Hasan**, Junior,  
 Graphic Design, FAA



*Fabulous Phages*  
**Anne-Farah Usman**, Senior,  
 Molecular & Cellular Biology, LAS

# Celebrating Our Student Scholars

The Office of Undergraduate Research (OUR) is committed to supporting Illinois undergraduates in all aspects of their research endeavors. Through Conference Travel Grants and Research Support Grants, OUR offers financial support to fund students' research and creative activities across all disciplines on campus. For more information on these grants and how they may support you during your research journey, please contact OUR.

## Research Support Grant

The Research Support Grant provides students from all disciplines with the funds necessary to conduct research or creative projects during the academic year both on and off campus (including summer terms). Awards will be up to \$2,000 and are meant to cover research travel costs, living expenses incurred during academic breaks, and materials or other ancillary costs.

For more information, please visit: [go.illinois.edu/OUR\\_RSG](https://go.illinois.edu/OUR_RSG)

## FALL 2023 AWARDEES:



*Investigating the Cellular Localization Changes of Acetyl-CoA Synthetase 2 and Estrogen Receptor Alpha Upon Treatment with Fulvestrant and Acetyl-CoA Synthetase Inhibitor in Estrogen Receptor Positive Metastatic Breast Cancer Cell Lines*  
**David Dutton**, Senior, Molecular & Cellular Biology, LAS (Research Mentor(s): Zeynep Madak-Erdogan, Food Science & Human Nutrition)



*Probing the Tumor Microenvironment via Bioluminescent Logic-Gate Technology*  
**Lily Wenger**, Senior, Biochemistry, LAS (Research Mentor(s): Jefferson Chan, Chemistry)



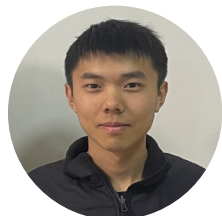
*Extracting the Internal Quantum Efficiency of LEDs*  
**Jason Li**, Sophomore, Engineering Physics, ENG (Research Mentor(s): Can Bayram, Electrical & Computer Engineering)



*Combining Jumping and Perching with a Tree-Jumping Robotic Squirrel*  
**Christopher Xu**, Junior, Electrical Engineering, ENG (Research Mentor(s): Justin Yim, Mechanical Engineering)



*Studying Quantum Phase Slips in Superconducting Nanowire Single Photon Detectors*  
**Harshvardhan Mantry**, Senior, Engineering Physics, ENG (Research Mentor(s): Alexey Bezryadin, Physics)



*Combining Jumping and Perching with a Tree-Jumping Robotic Squirrel*  
**Jack Yan**, Senior, Mechanical Engineering, ENG (Research Mentor(s): Justin Yim, Mechanical Engineering)

## Conference Travel Grant

The Conference Travel Grant provides undergraduate students with awards of up to \$400 to subsidize costs associated with presenting their research posters, papers, or creative works at in-person and virtual professional conferences. This year, we proudly supported 29 students in presentations of their scholarly and creative endeavors at a wide range of in-person and virtual conferences.

For more information, please visit: [go.illinois.edu/OUR\\_CTG](http://go.illinois.edu/OUR_CTG)

### RECENT WINNERS:



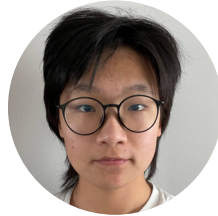
*Integration of Blood-Derived and Brain-Derived Biomarkers for Predicting Stage 2 Remission Status in EMBARC Study Subjects with Major Depressive Disorder*  
**Milica Barac**, Senior, Bioengineering, ENG  
 (Research Mentor: Arjun Athreya, Mayo Clinic)



*How Do Protection Orders Relate to Post-Separation Parenting Arrangements in Divorce?*  
**Julianne Enas**, Junior, Human Development and Family Studies, ACES  
 (Research Mentor: Jen Hardesty, Human Development & Family Studies)



*Liquid Rocketry at Illinois*  
**Eli Bennett**, Sophomore, Aerospace Engineering, ENG  
 (Research Mentor: Jordan Smart, Aerospace Engineering)



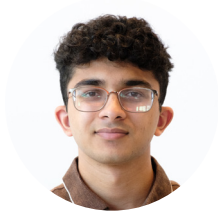
*Sparse Identification of Bacterial Transcriptional Regulation*  
**Yu Fu**, Senior, Astrophysics, LAS  
 (Research Mentor: Ido Golding, Physics)



*Participation in the Small Ensemble Division B*  
**Steven Boston**, Freshman, Music, FAA  
 (Research Mentor: Amy Gilreath, Music)



*Neurobiological Mechanisms of Socially Influenced Sex Change in *A. ocellaris**  
**Gabriel Graham**, Junior, Psychology, LAS  
 (Research Mentor: Justin Rhodes, Psychology)



*Liquid Rocketry at Illinois*  
**Ameya Chandra**, Sophomore, Aerospace Engineering, ENG  
 (Research Mentor: Jordan Smart, Aerospace Engineering)



*X-ray Diffraction Study of Single-Layer ZrTe<sub>2</sub>*  
**Lily Guo**, Senior, Engineering Physics, ENG  
 (Research Mentor: Tai-Chang Chiang, Physics)



*Nuclear Proliferation and State Strength: An Analysis of Russian Elite Confidence in the Post-Cold War Era*  
**Camille Dolce**, Junior, Political Science, LAS  
 (Research Mentor: Joseph Hinchliffe, Political Science)



*Liquid Rocketry at Illinois*  
**Ke (Max) Jiang**, Freshman, Aerospace Engineering, ENG  
 (Research Mentor: Jordan Smart, Aerospace Engineering)



*A Biomaterial Model to Study Matrix Remodeling and Invasion of Drug-resistant Glioblastoma*  
**Ela Eames**, Senior, Chemical Engineering, LAS  
 (Research Mentor: Brendan Harley, Chemical & Biomolecular Engineering)



*Liquid Rocketry at Illinois*  
**Vincent Kim**, Sophomore, Aerospace Engineering, ENG  
 (Research Mentor: Jordan Smart, Aerospace Engineering)

## RECENT WINNERS:



*A Comparative Corpus-Based Study of Typed vs. Written Misspellings of Spanish Heritage Speakers, L2s, and Native Speakers: Their Considerations and Implications for Teaching*  
**Bryanna Knott**, Junior, Psychology, LAS  
(Research Mentor: Melissa Bowles, Spanish & Portuguese)



*Exercise-induced Exosomes Increase Adult Hippocampal Cell Genesis*  
**Prithika Ravi**, Junior, Brain & Cognitive Science, LAS  
(Research Mentor: Justin Rhodes, Psychology)



*Education (in)Equity Dependence on Infrastructure and Contemporary Systems of Racial Segregation*  
**Madisen LeShoure**, Junior, Information Sciences, SIS  
(Research Mentor: Brandon Batzloff, School of Information Sciences)



*Selecting the Most Efficient Method for a Biological Optimization Problem Using Deep Bidirectional Encoder Representations from Transformers (BERT)*  
**Walker Rickord**, Senior, Bioengineering, ENG  
(Research Mentor: Paul Jensen, University of Michigan)



*Determining the Topology of Upcyclable poly(DCPD) and its Impact on Mechanical Properties*  
**Andrew Lum**, Junior, Materials Science and Engineering, ENG  
(Research Mentor: Nancy Sottos, Materials Science & Engineering)



*Liquid Rocketry at Illinois*  
**Tamer Saatci**, Sophomore, Aerospace Engineering, ENG  
(Research Mentor: Jordan Smart, Aerospace Engineering)



*Shadows Don't Lie and Lines Can't Bend! Generative Models Don't Know Projective Geometry...for Now*  
**Amitabh Mahapatra**, Junior, Computer Science, ENG  
(Research Mentor: David Forsyth, Computer Science)



*Efficiency Droop Study of a Blue Light Emitting Diode via Power-Current-Voltage Measurements*  
**Kaiyan Shan**, Senior, Materials Science and Engineering, ENG  
(Research Mentor: Can Bayram, Electrical & Computer Engineering)



*Liquid Rocketry at Illinois*  
**Nikolaos Monogvios**, Freshman, Aerospace Engineering, ENG  
(Research Mentor: Jordan Smart, Aerospace Engineering)



*YouTubePD: A Multimodal Benchmark for Parkinson's Disease Analysis*  
**Ansh Sharma**, Junior, Computer Science, ENG  
(Research Mentor: Yuxiong Wang, Computer Science)



*Liquid Rocketry at Illinois*  
**Milan Parikh**, Sophomore, Aerospace Engineering, ENG  
(Research Mentor: Jordan Smart, Aerospace Engineering)



*Household Chaos is Related to Physical Activity in Children from Low-Income Households*  
**Ananya Singh**, Senior, Chemistry, LAS  
(Research Mentor: Shelby Keye, Kinesiology & Community Health)



*Mechanical Characterization and In Silico Finite Element Simulation of Hydrogel-based Nerve Scaffolds*  
**Aja Phan**, Junior, Mechanical Engineering, ENG  
(Research Mentor: Liqun Ning & Josiah Owusu-Danquah, Mechanical Engineering, Cleveland State University)



*Maternal Defense Strategies: Investigating Female Aggression in Dyeing Poison Frogs*  
**Isabella Strohmeier**, Junior, Integrative Biology, LAS  
(Research Mentor: Eva Fischer, Evolution, Ecology, and Behavior)

RECENT WINNERS:



*Characteristics, Needs, and Preferences of Syringe Services Program Participants: Differences Between Those Who Do and Do Not Endorse Co-Use of Heroin and Methamphetamine*

**Rachel Sun**, Junior, Psychology, LAS  
(Research Mentor: Rachel Hoopsick, Kinesiology & Community Health)



*Comparison of Anabranching Prevalence in the Midwest Watershed Prior to European Settlement and the Present*

**Kei Yamato**, Senior, Geography & Geographic Information Science, LAS  
(Research Mentor: Bruce Rhoads, Geography & Geographic Information Science)



*TrackDLO: Tracking Deformable Linear Objects Under Occlusion with Motion Coherence*

**Jingyi Xiang**, Senior,  
Electrical Engineering, ENG  
(Research Mentor: Timothy Bretl, Aerospace Engineering)

Maleiha Carino Foundation Scholarship for Cancer Research Advancement

The Maleiha Carino Foundation Scholarship for Cancer Research Advancement honors the legacy of Maleiha Carino, a Filipino-American who tragically passed away from pediatric cancer in 2014. This scholarship recognizes outstanding contributions made by undergraduate researchers at the University of Illinois at Urbana-Champaign in the field of cancer research. This encompasses various aspects of cancer research, including basic, translational, clinical, and social/cultural dimensions.

This scholarship is generously supported by the Maleiha Carino Foundation.

AY 2023-2024 AWARDEES



**Stephanie Espino**  
Sophomore, Bioengineering, ENG



**Elaine We**  
Junior, Biochemistry, LAS



**MCF**  
MALEIHA CARINO  
FOUNDATION

# Undergraduate Research Certificate Awardees

The Undergraduate Research Certificate celebrates the hard work and dedication of those undergraduate researchers who go above and beyond to engage with research on campus. This certificate program equips students with essential skills such as critical thinking, problem-solving, and communication, preparing them for their future careers and graduate studies. We extend our congratulations to all our AY 2022/2023 Undergraduate Research Certificate recipients for their outstanding achievement! For each certificate holder, their college and graduation year are shown.




---

**Ilya Ahmad**, College of Applied Health Sciences, 2023

---

**Neha Arun**, College of Liberal Arts and Sciences, 2023

---

**Arushi Bharel**, College of Agricultural, Consumer, and Environmental Sciences, 2023

---

**Anna Blair**, College of Liberal Arts and Sciences, 2024

---

**Noeleen Brown**, College of Liberal Arts and Sciences, 2023

---

**Judy Hsin-Hui Chiang**, College of Liberal Arts and Sciences, 2022

---

**Rujuta Chikodikar**, College of Liberal Arts and Sciences, 2024

---

**Heiley Choi**, College of Liberal Arts and Sciences, 2023

---

**Yoobeen Choi**, College of Liberal Arts and Sciences, 2023

---

**Yuhe Cui**, College of Fine and Applied Arts, 2023

---

**Andrea Czart**, College of Liberal Arts and Sciences, 2023

---

**Claire Fleming**, College of Liberal Arts and Sciences, 2023

---

**Arianna Fritz**, College of Liberal Arts and Sciences, 2023

---

**Emma Henderson**, College of Liberal Arts and Sciences, 2023

---

**Husna Hussaini**, College of Liberal Arts and Sciences, 2023

---

**Michael Jacobson**, College of Liberal Arts and Sciences, 2023

---

**Jie Ji**, College of Liberal Arts and Sciences, 2023

---

**Chenghao Jiang**, Gies College of Business, 2023

---

**Rushdan Jimoh**, School of Information Sciences, 2023

---

**Alanna Kaminsky**, College of Agricultural, Consumer, and Environmental Sciences, 2023

---

**Abigail Keck**, College of Applied Health Sciences, 2023

---



---

**Rachel Liu**, College of Liberal Arts and Sciences, 2023

---

**Zhengde Liu**, College of Liberal Arts and Sciences, 2023

---

**Austin Lu**, The Grainger College of Engineering, 2023

---

**Erin Markowitz**, College of Liberal Arts and Sciences, 2023

---

**Ruiqi Pan**, College of Liberal Arts and Sciences, 2025

---

**Nicolas Patino**, College of Liberal Arts and Sciences, 2023

---

**Aydan Pirani**, The Grainger College of Engineering, 2024

---

**Max Polanek**, College of Liberal Arts and Sciences, 2023

---

**Walker Rickord**, The Grainger College of Engineering, 2024

---

**Eve Rubovits**, College of Applied Health Sciences, 2023

---

**Quinn Searsmith**, College of Liberal Arts and Sciences, 2023

---

**Sonja Shirkevich**, College of Liberal Arts and Sciences, 2023

---

**Brandon Snipe**, College of Applied Health Sciences, 2024

---

**Ann Steephen**, College of Liberal Arts and Sciences, 2023

---

**Anastasiya Sushkova**, College of Liberal Arts and Sciences, 2023

---

**Tyler Swanson**, College of Agricultural, Consumer, and Environmental Sciences, 2023

---

**Aparajita Vemuri**, College of Liberal Arts and Sciences, 2024

---

**Holly Wingren**, College of Liberal Arts and Sciences, 2024

---

**Ainslee Wong**, College of Liberal Arts and Sciences, 2024

---

**Norah Yao**, College of Liberal Arts and Sciences, 2024

---

**Benedict Yeoh Keng Aik**, College of Liberal Arts and Sciences, 2023

---

# Undergraduate Research Apprenticeship Program 2024 Cohort

The Undergraduate Research Apprenticeship Program (URAP) offers undergraduate students with little or no research experience the opportunity to work with graduate students and post-doctoral scholars on their research projects, explore the culture and process of research, and build on their existing abilities within a community of scholars. Running each Spring semester, URAP consists of two equally important parts: a one-on-one research experience with their research mentor, and the Introduction to Research course. The course is designed to complement the research mentoring experience, orienting undergraduate mentees to broader topics in the research process.

Below we showcase and celebrate the undergraduate scholars as well as their mentors and thank them for an outstanding semester.

**More information about URAP can be found at:** [undergradresearch.illinois.edu/programs/urap.html](https://undergradresearch.illinois.edu/programs/urap.html)

**Brooke Abel**, Freshman, Natural Resources & Environmental Sciences, ACES  
(Research Mentor: Sujit Jagtap, Institute for Sustainability, Energy & Environment)

---

**Amrit Agarwal**, Freshman, Civil & Environmental Engineering, ENG  
(Research Mentor: Bayezid Baten, Civil Engineering)

---

**Tanay Agrawal**, Freshman, Astrophysics, LAS  
(Research Mentor: Margaret Verrico, Astronomy)

---

**Caleigh Arentsen**, Sophomore, Bioengineering, ENG  
(Research Mentor: Kyle Timmer, Chemical & Biomolecular Engineering)

---

**Arrhan Bhatia**, Sophomore, Computer Engineering, ENG  
(Research Mentor: James Steur, Political Science)

---

**Mary Brennan**, Junior, Economics, LA  
(Research Mentor: Alana Ackerman, Anthropology)

---

**Emily Castillo**, Sophomore, English, LAS  
(Research Mentor: Christopher Getowicz, Education Policy, Organization & Leadership)

---

**Alan Cervantes**, Sophomore, Political Science, LAS  
(Research Mentor: Grazzia Grimaldi, Anthropology)

---

**Ayushi Chakraborty**, Sophomore, Biochemistry, LAS  
(Research Mentor: AJ Taylor, Food Science & Human Nutrition)

**Panyue Chen**, Sophomore, Mathematics, LAS  
(Research Mentor: Muhammad Hassan, School of Information Sciences)

---

**Yihao Chen**, Junior, Statistics, Sociology, LAS  
(Research Mentor: Emma Lundin, Recreation, Sport & Tourism)

---

**Xinyue Chen**, Sophomore, Political Science, LAS  
(Research Mentor: Shuyuan Shen, Political Science)

---

**Sophie Chiewtrakoon**, Sophomore, Sociology, LAS  
(Research Mentor: Anna Barkley, Education Policy, Organization & Leadership)

---

**Minseo Cho**, Freshman, Business Undeclared, GIES  
(Research Mentor: Abigail Stocker, Economics)

---

**Sam Christoff**, Sophomore, Animal Sciences, ACES  
(Research Mentor: Grace Rubino, Chemical Engineering)

---

**Kevin Dai**, Freshman, Electrical Engineering, ENG  
(Research Mentor: Benjamin Campbell, Community Health)

---

**Rhea Dcosta**, Freshman, Finance + Data Science, BUS  
(Research Mentor: Seongjoon Ahn, Political Science)

---

**Isabel Escapa**, Junior, Psychology, Sociology, LAS  
(Research Mentor: Isaiah Raynal, Political Science)

---

**Kate Garton**, Sophomore, Political Science, LAS  
(Research Mentor: Søren Warland, Political Science)



**Sai Smriti Gogineni**, Freshman, Biology, LAS  
(Research Mentor: Sujit Jagtap, Institute for Sustainability, Energy & Environment)

---

**David Gora**, Junior, Engineering Technology & Management for Agricultural Systems, ACES  
(Research Mentor: Saurabh Bagare, Aerospace Engineering)

---

**Elizabeth Hea**, Freshman, Psychology, LAS  
(Research Mentor: John Oliveira, Recreation, Sport & Tourism)

---

**Tyler Heaney**, Sophomore, CS + Philosophy, LAS  
(Research Mentor: Md Fazlul Huq, Nuclear, Plasma & Radiological Engineering)

---

**Jisu Hong**, Sophomore, Civil Engineering, ENG  
(Research Mentor: Bayezid Baten, Civil Engineering)

---

**Jaelyn Hudson**, Sophomore, Psychology, LAS  
(Research Mentor: Rebeca Agosto Rosa, Political Science)

---

**Audra Aurora Izzani**, Freshman, Computer Science, ENG  
(Research Mentor: Katie VanDyne, Spanish & Portuguese)

---

**Roxana Jafari Haddadian**, Freshman, Neural Engineering, ENG  
(Research Mentor: Valeria Trivellone, Illinois Natural History Survey)

---

**Aman Jhurani**, Freshman, Engineering Mechanics, ENG  
(Research Mentor: Shubhang Goswami, Physics)

---

**Warren Jodjana**, Freshman, CS + Education, EDU  
(Research Mentor: Megan Best, Special Education)

---

**Jun-Ha Kim**, Freshman, Graphic Design, FAA  
(Research Mentor: Chia-Ching Wu, Landscape Architecture)

---

**Natalie Klunke**, Sophomore, Global Studies, LAS  
(Research Mentor: Myung Jung Kim, Political Science)

---

**Hyeongseok Lee**, Freshman, Statistics, LAS  
(Research Mentor: Katie VanDyne, Spanish & Portuguese)

---

**Rachel Li**, Junior, Mathematics, LAS  
(Research Mentor: Akshat Tripathi, Astronomy)

---

**Samuele Longo**, Sophomore, Philosophy, LAS  
(Research Mentor: Janayne Carvalho do Amaral, School of Information Sciences)

---

**Elli Lu**, Freshman, Chemistry, LAS  
(Research Mentor: Pranav Krishnan, Materials Science & Engineering)

**Lauren MacLean**, Sophomore, Natural Resources & Environmental Science, ACES  
(Research Mentor: Ilana Zeitzer, Program in Ecology, Evolution & Conservation Biology)

---

**Tara Mukherjee**, Freshman, Chemical & Biomolecular Engineering, LAS  
(Research Mentor: Genesis Rios Adorno, Chemical & Biomolecular Engineering)

---

**Sean Murphy**, Junior, English, LAS  
(Research Mentor: Zachary Jablow, Political Science)

---

**Duc Nguyen**, Freshman, Electrical Engineering, ENG  
(Research Mentor: Gautham Krishnan, Mechanical Science & Engineering)

---

**Lydia Oesterling**, Freshman, Linguistics, LAS  
(Research Mentor: Julia Gorham, French & Italian)

---

**Junmee Park**, Freshman, CS + Education, EDU  
(Research Mentor: Tiffany Reyes Denis, Educational Psychology)

---

**Stella Pashyan**, Freshman, Psychology, LAS  
(Research Mentor: Jinwon Lee, Political Science)

---

**Nidhi Patel**, Senior, Psychology, LAS  
(Research Mentor: Alesha Lewis, Political Science)

---

**Dhenu Patel**, Freshman, Natural Resources & Environmental Science, ACES  
(Research Mentor: Caitlin Bloomer, Natural Resources & Environmental Sciences)

---

**Anisha Rao**, Freshman, Linguistics, LAS  
(Research Mentor: Katie VanDyne, Spanish & Portuguese)

---

**Jeremy Septon**, Sophomore, Economics, LAS  
(Research Mentor: Amanda Merck, Urban & Regional Planning)

---

**Vedika Shah**, Freshman, Global Studies, LAS  
(Research Mentor: Do Young Gong, Political Science)

---

**Arshiya Shah**, Sophomore, Political Science, LAS  
(Research Mentor: Myung Jung Kim, Political Science)

---

**Nidhi Shanthappa**, Freshman, Neuroscience, LAS  
(Research Mentor: Rebecca Bishop, Comparative Biosciences)

---

**Martha Sulzen**, Sophomore, Political Science, LAS  
(Research Mentor: Søren Warland, Political Science)

**Natalie Towle**, Freshman, Chemistry, LAS  
(Research Mentor: Hannah Veldhuizen, Earth Science & Environmental Change)

**Quan Vo**, Junior, Mechanical Engineering, ENG  
(Research Mentor: Lin Song, Mechanical Science & Engineering)

**Amanda Watson**, Sophomore, Chemical Engineering, LAS  
(Research Mentor: Anna Cramblitt, Materials Science & Engineering)

**Warren Wellington**, Sophomore,  
Materials Science & Engineering, ENG  
(Research Mentor: Tyler Price, Materials Science & Engineering)

**Rosabella Wu**, Freshman, Learning & Education Studies, EDU  
(Research Mentor: H. Kuneyl, Education Policy, Organization & Leadership)

**Dylan Wu**, Freshman, Statistics, LAS  
(Research Mentor: John Oliveira, Recreation, Sport & Tourism)

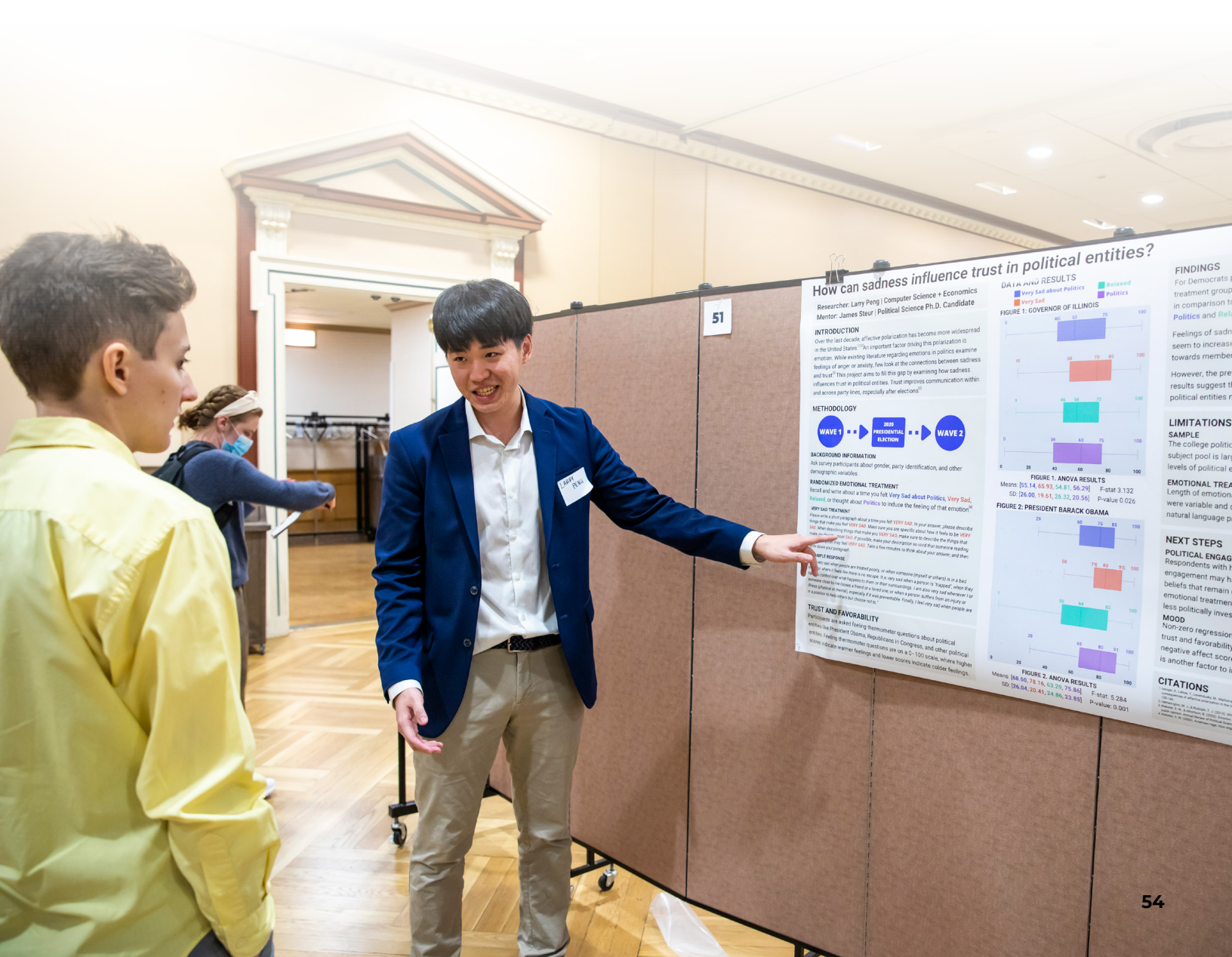
**Simon Xia**, Sophomore, Engineering Undeclared, ENG  
(Research Mentor: Ashish Kashinath, Computer Science)

**Martin Xu**, Freshman, Electrical Engineering, ENG  
(Research Mentor: Ga-Yeong Kim, Civil & Environmental Engineering)

**Qianhan (Sam) Ya**, Freshman, Psychology, LAS  
(Research Mentor: Isaiah Raynal, Political Science)

**Deyu Zhang**, Senior, Econometrics & Quantitative Economics, LAS  
(Research Mentor: Ji Soo Yoo, Political Science)

**Steven Zhen**, Freshman, Mathematics, LAS  
(Research Mentor: Shuyuan Shen, Political Science)



**51**

### How can sadness influence trust in political entities?

Researcher: Larry Peng | Computer Science + Economics  
Mentor: James Steur | Political Science Ph.D. Candidate

**INTRODUCTION**  
Over the last decade, affective polarization has become more widespread in the United States. An important factor driving this polarization is emotion. While existing literature regarding emotions in politics examine feelings of anger or anxiety, few look at the connections between sadness and trust. This project aims to fill this gap by examining how sadness influences trust in political entities. Trust improves communication within and across party lines, especially after elections.

**METHODOLOGY**

WAVE 1 → PRESIDENTIAL ELECTION → WAVE 2

**BACKGROUND INFORMATION**  
Ask our very participants about gender, party identification, and other demographic variables.

**RANDOMIZED EMOTIONAL TREATMENT**  
Recall and write about a time you felt Very Sad about Politics, Very Sad, Sad, or Thought about Politics to induce the feeling of that emotion.

**VERY SAD TREATMENT**  
Here is a short paragraph about a time you felt VERY SAD. Your answer, please describe how you felt and how you felt about it. (100 words max). Make sure to describe the things that made you feel that way. (100 words max). Make sure to describe the things that made you feel that way. (100 words max). Take a few minutes to think about your answer and how you felt.

**TRUST AND FAVORABILITY**  
Participants are asked feeling thermometer questions about political entities. Feeling thermometer questions are on a 0-100 scale, where higher scores indicate warmer feelings and lower scores indicate colder feelings.

**DATA ANALYSIS RESULTS**

**FIGURE 1: GOVERNOR OF ILLINOIS**

Very Sad about Politics	Relaxed about Politics
Mean: 55.14, SD: 14.65, N: 54, 81	Mean: 75.29, SD: 15.91, N: 54, 81

**FIGURE 2: PRESIDENT BARACK OBAMA**

Very Sad about Politics	Relaxed about Politics
Mean: 55.14, SD: 14.65, N: 54, 81	Mean: 75.29, SD: 15.91, N: 54, 81

**FIGURE 1: ANOVA RESULTS**  
Means: [55.14, 65.91, 54.81, 56.29] F-stat: 3.132  
SD: [24.00, 19.93, 26.32, 20.58] P-value: 0.026

**FIGURE 2: ANOVA RESULTS**  
Means: [68.00, 78.16, 63.29, 78.86] F-stat: 5.284  
SD: [26.64, 20.41, 24.88, 23.89] P-value: 0.001

**FINDINGS**  
For Democrats treatment group in comparison to Politics and Relaxed. Feelings of sadness seem to increase towards members. However, the pre results suggest that political entities.

**LIMITATIONS**  
**SAMPLE**  
The college political subject pool is large levels of political.

**EMOTIONAL TREATMENT**  
Length of emotion was variable and a natural language p.

**NEXT STEPS**  
**POLITICAL ENGAGEMENT**  
Respondents with high engagement may have beliefs that remain emotionally invested less politically invested.

**MOOD**  
Non-zero regression trust and favorability negative affect score is another factor to

**CITATIONS**

# Celebrating Our Research Mentors

Exceptional mentoring requires more than just guidance—it demands a foundation of robust support, a significant time investment, and an unwavering commitment to the growth and success of each individual. Again this year, we invited our undergraduate presenters to share their transformative experiences and the profound impacts of their research mentors.

The following entries provide just a glimpse of the overwhelming response we received. Alongside our students, we recognize and extend our deepest gratitude to all those who continue to guide undergraduate research at Illinois.

“ Thank you, Fahren, for believing in us and having faith in our ability, trusting us to be a part of your research project. Also, thank you for not only being an extraordinary mentor and supervisor, but also a friend.

”

- Hanif Salam

Research Mentor: Fahren Zackery, Ecology, Evolution & Conservation Biology



“ Janaynne, thank you for your patience, knowledge, and kindness during these past few months. You’re a fantastic mentor, and I truly hope more students will be able to be impacted by such a relationship with you. It’s a beautiful thing having a mentor who trusts your abilities despite differences in knowledge and experiences. Thank you!

”

- Samuele Longo

Research Mentor: Janaynne Carvalho do Amaral, School of Information Sciences

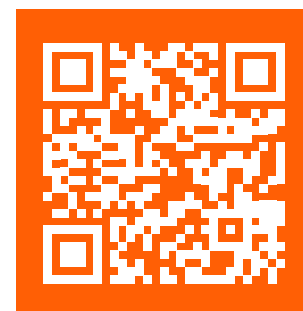
“ Thank you, Prof. Daniel. Thank you for showing me the magical land of math biology, for giving me so much advice on my courses, and for supporting me over the past months.

”

- Chenning Xu

Research Mentor: Daniel Cooney, Mathematics

Scan the QR code to read more notes of gratitude



“ Dr. Studer, thank you so much for creating such an incredible environment to work and learn. I’ve really enjoyed being a part of your team and have gained so much from the lab you’ve built. Your tireless effort in everything you do is something I’ll always look up to as it motivates me in my own endeavors. Thank you for your endless encouragement and patience in your teaching and training.

”

- Marie Shaffer

Research Mentor:  
Anthony Studer, Crop Sciences



“ Dr. Rosch, I deeply appreciate your mentorship throughout my collegiate journey. Your ability to ask questions that shift my own perspectives has allowed me to perceive things from new angles and gain deeper insights into all aspects of life. Thank you for your support and encouragement.

”

- Emily Brooks

Research Mentor: David Rosch, Agricultural Leadership, Education & Communication



“ Dr. Hind, thank you for generously taking me under your wing to help me achieve my academic and professional goals. It means the world to me. I also want to thank Justin Larkin, Iris Lee, and my fellow undergraduates for always showing kindness and helping me in lab.

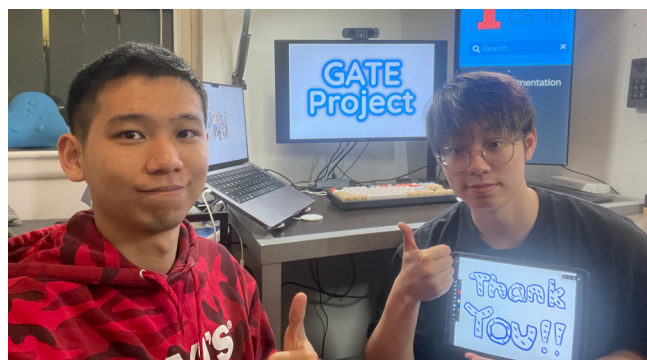
”

- Kevin Rattlin

Research Mentor:  
Sarah Hind, Crop Sciences

“ Thank you, Mariana and Mattox, for all of your support! We are grateful for the invaluable advice you’ve shared. We are truly fortunate to have mentors like you, who inspire us to strive for excellence and navigate challenges with confidence. You are the best!

”



- Yuxuan Chen & Kangyu Feng

**Research Mentor:**  
Mariana Silva, Computer Science, Mattox Beckman, Computer Science

“ Thank you, Siva and Prof. Smith, for your invaluable guidance and support throughout my research journey. Your kindness, wisdom, and encouragement have truly shaped my growth as a researcher, and I will continue on that path. I am deeply grateful for both of your mentorship and direction.

”

- Trisha Patnaik

**Research Mentor:**  
Siva Nalla, Bioengineering & Andrew Smith, Bioengineering

“ Dear Ali, thank you for allowing me to do research at Uni Primary this semester and welcoming me with such open arms. We made a perfect team, and you truly made me feel a part of the school community. I could have not asked for a better mentor or experience. I hope you continue making a difference!

”

- Ryan McMahon

**Research Mentor:**  
Ali Lewis, University Primary School



“ Dear Caitlin, thank you for being an incredible mentor. Your guidance and wisdom have been invaluable to me. I appreciate your support and encouragement more than words can express. I am so grateful for the opportunity to learn from you.

”

- Dhenu Patel

**Research Mentor:**  
Caitlin Bloomer, Natural Resources & Environmental Sciences

# Partner Offices

The Office of Undergraduate Research takes great pride in fostering collaborations with various offices that actively promote and support undergraduate scholarship and creative activities at Illinois.

## National and International Scholarships

Every year, University of Illinois students successfully apply for nationally and internationally competitive scholarships, supported and guided by the National and International Scholarships (NIS) Program. NIS aims to help high-achieving Illinois undergraduates and alumni prepare for these scholarships through valuable advising and feedback on their applications. Students should consider applying for one or more awards if they are dedicated to a mission or vocation, whether it is research, policy, or service-based! If you are hoping to win a scholarship, NIS can help you unlock your potential and become a stronger candidate. Interested students—from freshmen to recent alumni—are encouraged to visit NIS to discuss these opportunities.

The Office of Undergraduate Research applauds the work by NIS and proudly congratulates the following winners of these nationally and internationally competitive awards.

**Website:**  
[topscholars.illinois.edu](https://topscholars.illinois.edu)

**Email:**  
[topscholars@illinois.edu](mailto:topscholars@illinois.edu)

**Physical Location:**  
 National & International  
 Scholarships Program

—  
 Illini Union Bookstore  
 807 S Wright St  
 Suite 520  
 Champaign, IL 61820

## The Goldwater Scholarship

**Are you a STEM researcher?** The Barry M. Goldwater Scholarship recognizes students who demonstrate a strong commitment to a research career in math, science, or engineering. Successful applicants display intellectual curiosity and possess potential for significant future contributions in their chosen field. The scholarship is for juniors or exceptional sophomores who are current U.S. citizens, U.S. nationals, or resident aliens. In addition to receiving one- or two-year \$7,500 awards, Goldwater recipients also become part of a cohort of scholars. Applicants should be committed to pursuing a Ph.D. in the research fields of mathematics, sciences, or engineering.

**Deadline:** The campus deadline is December 2, 2024. For more information and support with applying, please contact NIS.

## RECENT WINNERS:



Sylvia E



Daniel Feng



Alice Gao



Amelia Korveziroska



Riley Trendler

## The Fulbright Scholarship

**Are you looking for an exciting way to spend a year abroad after you graduate?** The Fulbright Student Program offers U.S. citizens one year of funding to pursue an academic experience in over 140 countries worldwide. Juniors, seniors, and alumni may apply to pursue a research project or a graduate-degree program abroad. In addition, you can apply to spend one year as an English Teaching Assistant (ETA) in one of 75 plus countries. The University of Illinois perennially is recognized by The Chronicle of Higher Education as a top-producing institution of Fulbright student awards

**Deadline:** The campus deadline is August 26, 2024. For more information and support with applying, please contact NIS.

### RECENT WINNERS:



Caleb Apperson



Daniela Barbosa



Luisa Daniela Carrillo



Drew Gooding



Kaitlyn Ho



Lilian Lucas



Mariama Mwilambwe



Nicole Park



Jonathan Phalen



Raphael Portillo



Matthew Schultz



Elizabeth Tang

## Schwarzman Scholars

**Are you a future global leader in your field?** Schwarzman Scholars is a program for the next generation of young leaders, anchored in a fully funded, 11-month master's degree in Global Affairs at Beijing's Tsinghua University. Scholars learn from world class faculty and guest speakers about the emergence of China as an economic and political force through a rigorous and dynamic core curriculum. In addition, the scholarship provides leadership training, exposure to high-level industry experts, and field trips around China. Students and alumni of all majors and of any citizenship are eligible to apply.

**Deadline:** The campus deadline is August 22, 2024. (May 20, 2024, for students holding passports from China, Hong Kong, Taiwan, or Macao). For more information and support with applying, please contact NIS.

### RECENT WINNER:



Grace Mitchell

## Beinecke Scholarship

**Are you a humanities, arts, or social sciences student interested in graduate school?** The Beinecke Scholarship offers U.S. citizen, juniors \$5,000 immediately prior to entering graduate school and an additional \$30,000 while attending graduate school. The Beinecke is interested in students who demonstrate superior standards of intellectual ability, scholastic achievement, and personal promise. Preference is given to candidates for whom the award would increase the likelihood of attending graduate school. Applicants must be pursuing a Ph.D. or MFA after graduation.

**Deadline:** The campus deadline is February 24, 2025.  
For more information and support with applying, please contact NIS.

## Udall Scholarship

**Are you a passionate environmentalist?** The Udall Scholarship awards \$7,000 to sophomores or juniors who are taking action to address environmental concerns and are committed to a career related to the environment. There are also awards for Native American students interested in Tribal policy or health care. The Udall scholarship honors the legacies of Morris Udall and Stewart Udall, whose careers had a significant impact on Native American self-governance, health care, and the stewardship of public lands and natural resources. Students must be U.S. citizens, U.S. nationals, or U.S. permanent residents. A successful applicant will have a GPA of 3.0+ and demonstrate leadership and a commitment to service.

**Deadline:** The campus deadline is January 27, 2025.  
For more information and support with applying, please contact NIS.

## Voyager Scholarship

**Are you a change-agent working to solve the biggest challenges of our time?** The Voyager Scholarship provides up to \$80,000 (\$25,000/yr. of financial aid for junior and senior year, \$10,000 for a summer experience, and ten years of \$2,000 Airbnb credits) for rising juniors who have a passion for helping others, experience serving communities, and plan to pursue a public service career. A career in public service includes a wide range of work in government, non-profits, or the private sector, with goals such as scientific advancement, community improvement, entrepreneurship, and empowerment through art. U.S. citizens, permanent residents, or DACA recipients who are entering their junior year with a 3.0+ GPA and demonstrated financial need are eligible to apply.

**Deadline:** The campus deadline is February 27, 2025.  
For more information and support with applying, please contact NIS.

## Interested in learning about more awards?

NIS will host an online session for students involved in research to hear about opportunities to continue their work and earn funding for it, or to utilize their research experience as a launching pad to funded opportunities. This 30-minute session on May 2nd at 11:00 am is open to undergraduates of all majors and class standing.

**Register at:** [go.illinois.edu/WhereCanResearchTakeYouWorkshop](https://go.illinois.edu/WhereCanResearchTakeYouWorkshop)

### RECENT WINNER:



Kolten Conklen

### RECENT WINNERS:



Ethan Moore



Jenna Schaefer

### RECENT WINNERS:



Christiana Lewis



Andres Vazquez





## Writers Workshop

A research university is a writing university. The Writers Workshop provides support for all writers in the campus community—undergraduate and graduate students, post-doctorates, faculty, and staff—via writing consultations, writing groups and retreats, and webinars and presentations. By doing so, the Writers Workshop advances the mission of the University to create an inclusive learning environment that fosters students’ abilities to achieve their academic, professional, and personal goals.

The Writers Workshop supports all forms of academic and professional writing, at any stage of the writing process. We provide feedback on essays, research papers, personal statements, cover letters, theses and dissertations, manuscripts for publication, presentations, digital compositions, and anything between and beyond.

Find more information at: [writersworkshop.illinois.edu/](http://writersworkshop.illinois.edu/)

## University Library

Librarians and staff provide innovative services, technology, collections, and spaces to enhance collaboration and exploration; engage students in the inquiry process and educate them in their roles as content consumers and creators in the design, production, and delivery of content and media for research, discovery, and learning; and anticipate new and emerging needs to facilitate undergraduate student success.

Find more information at: [library.illinois.edu/](http://library.illinois.edu/)



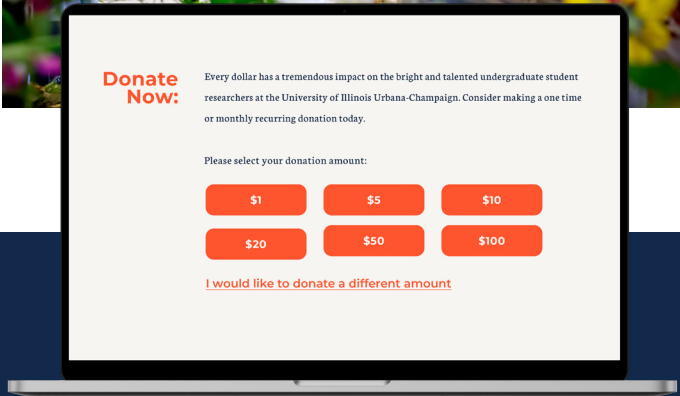
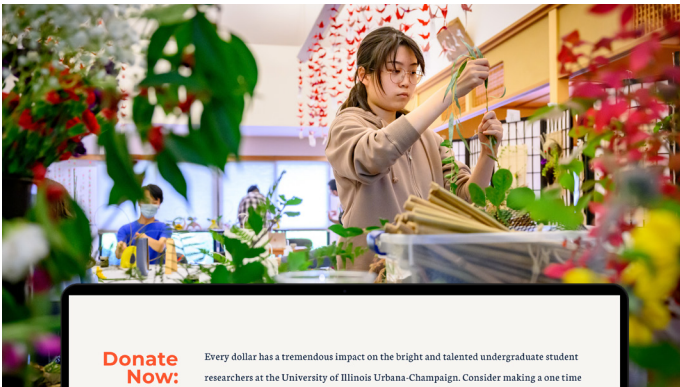
# Supporting Undergraduate Research at Illinois

## Invest in Scholars Today

Your generous donation to the Office of Undergraduate Research can make a profound difference in the lives of our Illinois undergraduate researchers.

Whether it's a small or large gift, your support directly contributes to providing grants and awards that enable these students to explore their passions, gain valuable experience, and achieve academic excellence. Your donation can help us continue to foster a culture of inquiry, innovation, and discovery among our talented undergraduate researchers. Please join us in supporting their success and making a lasting impact on their academic journey.

Thank you in advance for your support.



Visit: [undergradresearch.illinois.edu/giving](https://undergradresearch.illinois.edu/giving)

# Index

<b>Abdur Rahman, Ahmad:</b> Illinois Mathematics Lab Spring Poster Session	<b>Baldwin, Kyle:</b> Poster PS - Nature, Life & Environment
<b>Abel, Brooke:</b> Poster PP - Cells & Molecules	<b>Banchs, Brandon:</b> Poster PE - Nature, Life & Environment
<b>Abou-Chakra, Tameem:</b> Poster PJ - Cells & Molecules	<b>Barac, Milica:</b> Celebrating Our Student Scholars
<b>Aburto, Amy:</b> Poster PH - Education, Learning & Human Development	<b>Baradwaj, Suchir:</b> On Exhibit - Robots & Medical Technology
<b>Achettu, Maya:</b> Poster PI - Science & Technology	<b>Baranauskaitė, Daniele:</b> Poster PS - Nature, Life & Environment
<b>Adams, Aranya:</b> Poster PV - Social Science & Human Behavior; Communication Undergraduate Research Event	<b>Barbosa, Daniela:</b> Celebrating Our Student Scholars
<b>Adebayo, Mutmaina:</b> ISUR Research Expo	<b>Bargon, Daniel:</b> Oral Panel - Old Tales, New Forms: Storytelling across Media
<b>Adler, Allison:</b> Poster PK - Health & Wellness	<b>Barnes, Ryiah:</b> Poster PD - Social Science & Behavior
<b>Afsar Ali, Afnaan:</b> Poster PT - Health & Wellness	<b>Barua, Eesha:</b> Poster PB - Science & Technology
<b>Agarwal, Amrit:</b> Poster PI - Science & Technology	<b>Basden, Ashley:</b> Oral Panel - In Pursuit of Liberation
<b>Aggarwal, Arjun:</b> Illinois Mathematics Lab Spring Poster Session	<b>Bashir, Neha:</b> Poster PC - Health & Wellness
<b>Agrawal, Megha:</b> Poster PR - Design Thinking & Innovation	<b>Bassoubouh Ba Dimai, Rabbi:</b> Poster PQ - Science & Technology
<b>Agrawal, Tanay:</b> Poster PM - Data & Information	<b>Baxter, Katerina:</b> Poster PJ - Cells & Molecules
<b>Agrawal, Stuti:</b> ISUR Research Expo	<b>Bayliss, George:</b> Oral Panel - New Approaches in Mathematics
<b>Ahmad, Faisal:</b> Poster PX - Cells & Molecules	<b>Beard, Matt:</b> Poster PE - Nature, Life & Environment
<b>Ahmad, Ilya:</b> Certificate Awardees	<b>Becraft, Chris:</b> Illinois Mathematics Lab Spring Poster Session
<b>Ahmari, Alex:</b> ISUR Research Expo	<b>Behnejad, Hora:</b> Humanities Research Lab Showcase
<b>Ahmed, Farheen:</b> Poster PC - Health & Wellness	<b>Bengston, Sophia:</b> Parkland Honors Program
<b>Ahmed, Ismail:</b> Poster PF - Cells & Molecules	<b>Bennett, Eli:</b> Celebrating Our Student Scholars
<b>Ahmed, Movviz:</b> Poster PJ - Cells & Molecules	<b>Bergmann, John:</b> Oral Panel - Old Tales, New Forms: Storytelling across Media
<b>Akindulureni, Joy:</b> Poster PL - Social Science & Human Behavior	<b>Berschel, Kennedy:</b> Poster PI - Science & Technology
<b>Al-Dhufari, Roqaya:</b> Poster PD - Social Science & Behavior; Poster PE - Nature, Life & Environment	<b>Beyers, Grace:</b> Poster PO - Culture & Society
<b>Alfaro, Bianca:</b> Poster PT - Health & Wellness	<b>Bhamidi, Sreelaya:</b> Oral Panel - Unraveling Neurological Mysteries
<b>Amabile, Ava:</b> Poster PH - Education, Learning & Human Development	<b>Bhanpuri, Safiya:</b> On Exhibit - Robots & Medical Technology
<b>Amador, Terence:</b> ISUR Research Expo	<b>Bhanvadia, Renee:</b> Poster PT - Health & Wellness
<b>Amador-Rojas, Lilie:</b> Parkland Honors Program	<b>Bharel, Arushi:</b> Certificate Awardees
<b>Amaro, Gerardo:</b> Poster PS - Nature, Life & Environment	<b>Bhat, Anushka:</b> Poster PN - Food, Plants & Animals
<b>An, Xianhao:</b> Illinois Mathematics Lab Spring Poster Session; Poster PB - Science & Technology	<b>Bhatia, Arrhan:</b> Poster PL - Social Science & Human Behavior
<b>Anand, Achal:</b> Poster PF - Cells & Molecules	<b>Bhushan, Sid:</b> Poster PA - Humanities, Arts & Social Sciences
<b>Andersen, Avery:</b> Poster PC - Health & Wellness; Poster PK - Health & Wellness; Poster PT - Health & Wellness	<b>Bielawski, Luke:</b> Illinois Mathematics Lab Spring Poster Session; Poster PB - Science & Technology
<b>Anderson, Morgan:</b> Illinois Mathematics Lab Spring Poster Session	<b>Blair, Anna:</b> Certificate Awardees
<b>Anderson, Sofia:</b> Poster PL - Social Science & Human Behavior	<b>Blake, Ryan:</b> Poster PF - Cells & Molecules
<b>Aninagyei-Bonsu, Melissa:</b> ISUR Research Expo	<b>Blanke, Steven:</b> Poster PN - Food, Plants & Animals
<b>Ansari, Yusra:</b> Poster PU - Education, Learning & Human Development	<b>Blatchford, Jonathan:</b> Poster PK - Health & Wellness
<b>Anwar, Sinan:</b> Poster PU - Education, Learning & Human Development	<b>Blodgett, Jolene:</b> Poster PS - Nature, Life & Environment
<b>Apperson, Caleb:</b> Celebrating Our Student Scholars	<b>Blomberg, Meghan:</b> ISUR Research Expo
<b>Appling, Jari:</b> Poster PH - Education, Learning & Human Development	<b>Blyskal, Sarah:</b> Poster PD - Social Science & Behavior
<b>Araujo, Heidy:</b> Humanities Research Lab Showcase	<b>Bohlman, Ella:</b> Poster PL - Social Science & Human Behavior
<b>Arentsen, Caleigh:</b> Poster PJ - Cells & Molecules	<b>Bollapragada, Saiesha:</b> Poster PK - Health & Wellness
<b>Arora, Aryan:</b> Poster PO - Culture & Society	<b>Bonsu, Jasmine:</b> Poster PT - Health & Wellness
<b>Arun, Neha:</b> Certificate Awardee s	<b>Booker, Ben:</b> Illinois Mathematics Lab Spring Poster Session
<b>Ashrafi, Jaya:</b> Poster PD - Social Science & Behavior	<b>Boone, Taniya:</b> Oral Panel - The Learning Ecosystem: Exploring Language, Education, and Family Dynamics
<b>Atallah, Marco:</b> Poster PF - Cells & Molecules	<b>Borntrager, Canyn:</b> Poster PU - Education, Learning & Human Development
<b>Atreya, Rishi:</b> Poster PC - Health & Wellness	<b>Boston, Steven:</b> Celebrating Our Student Scholars
<b>Austriaco, Francesca:</b> Poster PN - Food, Plants & Animals	<b>Bradley, Sonja:</b> Poster PK - Health & Wellness
<b>Bach, Delaney:</b> Poster PT - Health & Wellness	<b>Brennan, Mary:</b> Poster PG - Social Issues & Policy
<b>Bada, Waidat:</b> Poster PQ - Science & Technology	<b>Britt, Jessamine:</b> Poster PS - Nature, Life & Environment
<b>Baez, Dayanara:</b> Image of Research	<b>Britten, Arielle:</b> Poster PG - Social Issues & Policy
<b>Bagdonaviciute, Ieva:</b> Poster PM - Data & Information	<b>Brockington, LJ:</b> Poster PO - Culture & Society
<b>Baker, Tristin:</b> Poster PK - Health & Wellness	<b>Brooks, Emily:</b> Poster PN - Food, Plants & Animals
<b>Balakrishnan, Govind:</b> Poster PC - Health & Wellness	<b>Brown, Noeleen:</b> Certificate Awardees
	<b>Brzozewski, Angelika:</b> Poster PC - Health & Wellness
	<b>Bujalil Silva, Lorenzo:</b> ISUR Research Expo

**Burger, Jayna:** Poster PF - Cells & Molecules  
**Burns, Jacob:** Poster PS - Nature, Life & Environment  
**Burns, Olivia:** Oral Panel - Assistive Technology  
**Busa, Aashvi:** ISUR Research Expo  
**Bustos, Jahaira:** Oral Panel - The Research Process across Disciplines  
**Butryn, Emily:** Oral Panel - Assistive Technology  
**Byram, Annis:** Poster PD - Social Science & Behavior  
**Byrd, Chloe:** Parkland Honors Program  
**Bytnar, David:** Parkland Honors Program  
**Cadot, Maelys:** Poster PD - Social Science & Behavior  
**Cai, Jihong:** Illinois Mathematics Lab Spring Poster Session  
**Calderon, Isabella:** Poster PI - Science & Technology  
**Calinescu, Adrian:** Illinois Mathematics Lab Spring Poster Session  
**Camp, Kaybrie:** Poster PS - Nature, Life & Environment  
**Campa, Sophie:** Poster PK - Health & Wellness  
**Cao, Tianyue:** Illinois Mathematics Lab Spring Poster Session  
**Carillo, Luisa Daniela:** Celebrating Our Student Scholars  
**Carmona, Jesse:** Latina/Latino Studies Senior Symposium  
**Carroll, Jeremy:** Communication Undergraduate Research Event; Poster PD - Social Science & Behavior  
**Caruana, Joseph:** Oral Panel - Risk and Resilience: Understanding Factors that Influence Our Health  
**Castañeda, Jaelyn:** Latina/Latino Studies Senior Symposium  
**Castillo, Emily:** Poster PU - Education, Learning & Human Development  
**Castrejon, Yvett:** Poster PH - Education, Learning & Human Development  
**Cervantes, Alan:** Poster PO - Culture & Society  
**Cervantes, Aubrey:** Poster PT - Health & Wellness  
**Cervenka, Charlie:** Poster PD - Social Science & Behavior  
**Chahine, Angela:** Poster PT - Health & Wellness  
**Chakraborty, Ayushi:** Poster PN - Food, Plants & Animals  
**Chaliki, Sneha:** Poster PQ - Science & Technology  
**Chandra, Ameya:** Celebrating Our Student Scholars  
**Chang, Eva:** Oral Panel - Harnessing Technology for Animal Welfare and Sustainability  
**Chang, Jerry:** ISUR Research Expo  
**Chapman-Rienstra, Daniella:** Oral Panel - Redesigning Communication and Engagement in Education  
**Charles, Olivia:** Poster PR - Design Thinking & Innovation  
**Chávez, Abrahám:** Poster PD - Social Science & Behavior  
**Cheema, Natalya:** Poster PT - Health & Wellness  
**Chen, Allen:** Poster PI - Science & Technology  
**Chen, Atlas:** Illinois Mathematics Lab Spring Poster Session  
**Chen, Dan:** Poster PM - Data & Information  
**Chen, Haoqi:** Illinois Mathematics Lab Spring Poster Session  
**Chen, Jiewen:** Poster PX - Cells & Molecules  
**Chen, Weijian:** Illinois Mathematics Lab Spring Poster Session  
**Chen, Xinyue:** Poster PD - Social Science & Behavior  
**Chen, Yihao:** Poster PO - Culture & Society  
**Chen, Yue:** Poster PI - Science & Technology  
**Chen, Yuri:** Illinois Mathematics Lab Spring Poster Session; Poster PU - Education, Learning & Human Development  
**Chen, Yuxin (Ivy):** Oral Panel - From Picturebooks to Pandemics: Influences on Development Across the Lifespan  
**Chen, Yuxuan:** Poster PH - Education, Learning & Human Development  
**Cheng, Lawrence:** Poster PM - Data & Information  
**Cherukuthota, Anish:** Poster PO - Culture & Society  
**Chiang, Judy Hsin-Hui:** Certificate Awardees  
**Chiewtrakoon, Sophie:** Poster PO - Culture & Society  
**Chikodikar, Rujuta:** Poster PJ - Cells & Molecules; Certificate Awardees  
**Chiu, Solana:** ISUR Research Expo  
**Cho, Minseo:** Poster PD - Social Science & Behavior  
**Chocolate, Carla:** Poster PH - Education, Learning & Human Development  
**Choi, Anthony:** Poster PF - Cells & Molecules  
**Choi, Heiley:** Certificate Awardees  
**Choi, Yoobeen:** Certificate Awardees  
**Chong, Inna:** Poster PM - Data & Information  
**Chou, Chen-Wei:** Illinois Mathematics Lab Spring Poster Session; Poster PU - Education, Learning & Human Development  
**Chow, Jacob:** Poster PS - Nature, Life & Environment

**Chowdhury, Joytu:** Parkland Honors Program  
**Christoff, Sam:** Poster PJ - Cells & Molecules  
**Chu, Stefan:** Poster PM - Data & Information  
**Chun, Daniel:** Poster PM - Data & Information  
**Chundi, Anila:** On Exhibit - Robots & Medical Technology  
**Cinnamon, Lucy:** Oral Panel - Redesigning Communication and Engagement in Education  
**Clark, Joseph:** Poster PP - Cells & Molecules  
**Claudio-Deutsch, Elenna:** Poster PC - Health & Wellness  
**Cleary, Elena:** On Exhibit - Robots & Medical Technology  
**Clifford, Maia:** Humanities Research Lab Showcase  
**Coggan, Banerian:** ISUR Research Expo  
**Coleman, Stephanie:** Poster PH - Education, Learning & Human Development  
**Concepcion, Maritza:** Poster PT - Health & Wellness  
**Conklen, Kolten:** Celebrating Our Student Scholars  
**Corrales, Nikolas:** Poster PJ - Cells & Molecules  
**Correll, Emily:** Poster PH - Education, Learning & Human Development  
**Cowart, Nikhil:** Poster PW - Science & Technology  
**Cox, Kayleigh:** Poster PN - Food, Plants & Animals  
**Coy, Lillian:** Poster PN - Food, Plants & Animals  
**Crackel, Kendall:** Poster PC - Health & Wellness  
**Crain, Annalyssa:** Poster PN - Food, Plants & Animals  
**Crane, Natalia:** Poster PD - Social Science & Behavior  
**Crosswell, Emily:** Poster PH - Education, Learning & Human Development  
**Crowe, Lauren:** Poster PC - Health & Wellness  
**Cruz Macedo, Anthony:** Oral Panel - Mobility & Design  
**Cudzich, Daniel:** ISUR Research Expo; Poster PB - Science & Technology  
**Cui, Yuhe:** Certificate Awardees  
**Czarnik, Joey:** Poster PE - Nature, Life & Environment  
**Czart, Andrea:** Certificate Awardees  
**Dahman, Faith:** Poster PD - Social Science & Behavior  
**Dai, Kevin:** Poster PO - Culture & Society  
**Dailey, Emily:** Poster PA - Humanities, Arts & Social Sciences  
**Damania, Krishna:** On Exhibit - Digital Storytelling & Learning  
**Dangi, Anagha:** Poster PL - Social Science & Human Behavior  
**Daniel, Janiya:** Poster PL - Social Science & Human Behavior  
**Darbro, Emma:** Poster PT - Health & Wellness  
**Dariotis, Jacinda:** Poster PG - Social Issues & Policy  
**Davis, Emily:** Poster PF - Cells & Molecules  
**Dcosta, Rhea:** Poster PV - Social Science & Human Behavior  
**Dean, Braden:** Illinois Mathematics Lab Spring Poster Session  
**Defort, Tyler:** Poster PF - Cells & Molecules  
**Degiulio, Anissa:** Latina/Latino Studies Senior Symposium  
**Del Bosque Siller, Daniela:** Poster PI - Science & Technology  
**Desai, Ankith:** Oral Panel - In Pursuit of Liberation  
**Detwiler, Kim:** Poster PF - Cells & Molecules  
**Dey, Arion:** Poster PI - Science & Technology  
**Deyhle, Samuel:** Poster PF - Cells & Molecules  
**Diaz, Kira:** Poster PE - Nature, Life & Environment  
**Diaz, Kristin:** Poster PA - Humanities, Arts & Social Sciences  
**Diffenderfer, Finn:** Poster PU - Education, Learning & Human Development  
**Dike, Sophia:** Poster PO - Culture & Society  
**Divizio, Nico:** Poster PG - Social Issues & Policy  
**Dobra, Laszlo:** Poster PB - Science & Technology  
**Dolce, Camille:** Celebrating Our Student Scholars  
**Dolin, Kenneth:** Oral Panel - Shaping Judgement: How Perceptions Influence Evaluation  
**Dong, Sharon:** Poster PJ - Cells & Molecules  
**Donoghue, Klayton:** Poster PU - Education, Learning & Human Development  
**Doppelt, Jonah:** Poster PI - Science & Technology  
**Doty, William:** Oral Panel - Decentering Political Narratives: Local Stories, Global Impacts  
**Dragnevskaya, Viktoriya:** Poster PS - Nature, Life & Environment  
**Duci, Dajana:** Poster PT - Health & Wellness  
**Dudick, Carina:** Poster PP - Cells & Molecules  
**Duggan, Bennett:** Poster PC - Health & Wellness  
**Dulles, Teddy:** On Exhibit - Robots & Medical Technology  
**Dunning, Noel:** Oral Panel - Harnessing Technology for Animal Welfare and Sustainability

**Dutta, Ashmit:** Illinois Mathematics Lab Spring Poster Session  
**Dutton, David:** Oral Panel - Cells & Health; Celebrating Our Student Scholars  
**Duvvuri, Dhanya:** Poster PH - Education, Learning & Human Development  
**Dye, Maya:** Poster PC - Health & Wellness  
**Dzielska, Aneta:** Poster PI - Science & Technology  
**E, Sylvia:** Celebrating Our Student Scholars  
**Eames, Ela:** ISUR Research Expo, Celebrating Our Student Scholars  
**Elbanna, Noor:** Image of Research  
**Emil, Joel:** Poster PH - Education, Learning & Human Development  
**Enas, Julianne:** Celebrating Our Student Scholars  
**Eng, Eliana:** Poster PP - Cells & Molecules  
**Erdenebileg, Mia:** ISUR Research Expo  
**Erdmann, Leah:** Poster PN - Food, Plants & Animals  
**Erin, Kirsten:** ISUR Research Expo  
**Erkan, Anthony:** Oral Panel - Decentering Political Narratives: Local Stories, Global Impacts  
**Escapa, Isabel:** Poster PV - Social Science & Human Behavior  
**Eschman, Mia:** Poster PJ - Cells & Molecules  
**Espera, Reesa Cailey:** Poster PW - Science & Technology  
**Espino, Stephanie:** Celebrating Our Student Scholars  
**Espinosa De Los Monteros, Javier:** On Exhibit - Robots & Medical Technology  
**Espinoza, Cesar:** Oral Panel - Redesigning Communication and Engagement in Education  
**Excell, Kayleigh:** ISUR Research Expo; Poster PS - Nature, Life & Environment  
**Fahy, Will:** Oral Panel - Cellular Processes  
**Fan, Max:** Celebrating Our Student Scholars  
**Fellinger, Sabrina:** Poster PT - Health & Wellness  
**Feng, Daniel:** Celebrating Our Student Scholars  
**Feng, Kangyu:** Poster PH - Education, Learning & Human Development  
**Feng, Yating:** Poster PQ - Science & Technology  
**Fernandez, Otniel:** Poster PU - Education, Learning & Human Development  
**Fernau, Piper:** ISUR Research Expo  
**Ferrara, Victoria:** Poster PC - Health & Wellness  
**Ficca, Alyson:** Poster PE - Nature, Life & Environment  
**Figueroa-Carrillo, Matilde:** ISUR Research Expo  
**Fisher, Ian:** Poster PH - Education, Learning & Human Development  
**Fitch, Emily:** Poster PL - Social Science & Human Behavior  
**Flanagin, Margaret:** Parkland Honors Program  
**Fleming, Claire:** Certificate Awardees  
**Fornes, Jane:** Poster PS - Nature, Life & Environment  
**Foster, Kennedy:** Poster PV - Social Science & Human Behavior  
**Frank, Emma:** Poster PN - Food, Plants & Animals  
**Fritz, Arianna:** Certificate Awardees  
**Frost, Audrey:** ISUR Research Expo; Poster PS - Nature, Life & Environment  
**Fu, Yu:** Celebrating Our Student Scholars  
**Gai, Enson:** Illinois Mathematics Lab Spring Poster Session  
**Ganapathi, Jaya:** On Exhibit - Robots & Medical Technology  
**Gao, Alice:** Poster PW - Science & Technology; Celebrating Our Student Scholars  
**Gao, Huamin:** Poster PB - Science & Technology  
**Gao, Yihan:** Illinois Mathematics Lab Spring Poster Session; Poster PM - Data & Information  
**Garcia, Jazmin:** Poster PX - Cells & Molecules  
**Gardner, Sophia:** Poster PS - Nature, Life & Environment  
**Garg, Ayush:** On Exhibit - Digital Storytelling & Learning  
**Garg, Divij:** Illinois Mathematics Lab Spring Poster Session  
**Gargoles, Angeli:** Poster PC - Health & Wellness  
**Garton, Kate:** Poster PV - Social Science & Human Behavior  
**Gates, Kristen:** Communication Undergraduate Research Event; Poster PV - Social Science & Human Behavior  
**Gavin, Natalie:** Poster PM - Data & Information  
**George, Christopher:** Poster PB - Science & Technology; Poster PC - Health & Wellness; Poster PI - Science & Technology  
**Gergova, Alexandra:** Poster PL - Social Science & Human Behavior  
**Gerlach, Jordyn:** Poster PN - Food, Plants & Animals  
**Gerrity, Jack:** Poster PR - Design Thinking & Innovation  
**Giannelli, Giovanni:** Poster PG - Social Issues & Policy  
**Giddens-White, Tess:** Poster PB - Science & Technology

**Gillespie, Shaun:** Poster PD - Social Science & Behavior  
**Gimbel, Sylvia:** Poster PC - Health & Wellness  
**Gogineni, Sai Smriti:** Poster PF - Cells & Molecules  
**Goldenbaum, Jacob:** Poster PN - Food, Plants & Animals  
**Golemba, Samantha:** Poster PC - Health & Wellness; Poster PT - Health & Wellness  
**Gomez, Melanie:** Poster PV - Social Science & Human Behavior  
**Gomez-Lopez, Amy:** Poster PX - Cells & Molecules  
**Gonzalez, Destiny:** Oral Panel - From Pesticides to Pathogens: Understanding the Effects of Stress on Complex Ecologies  
**Gonzalez, Felixandro:** Poster PD - Social Science & Behavior  
**Gooding, Drew:** Celebrating Our Student Scholars  
**Gopannagari, Meghana:** Poster PB - Science & Technology; Poster PH - Education, Learning & Human Development  
**Gora, David:** Poster PB - Science & Technology  
**Gowrishankar, Saathveek:** Oral Panel - Technology in Healthcare  
**Goyal, Arnav:** Poster PI - Science & Technology  
**Goyal, Suvinay:** Poster PB - Science & Technology  
**Graca, Beata:** Poster PU - Education, Learning & Human Development  
**Graham, Gabriel:** Poster PS - Nature, Life & Environment; Celebrating Our Student Scholars  
**Green, Ryan:** Poster PA - Humanities, Arts & Social Sciences  
**Gremer, Liz:** Poster PK - Health & Wellness  
**Griffith, Lilly:** Oral Panel - Shaping Judgement: How Perceptions Influence Evaluation  
**Grindeanu, Adelina:** Poster PT - Health & Wellness  
**Gronlund, Kate:** Poster PT - Health & Wellness  
**Grossen, Claire:** Poster PV - Social Science & Human Behavior  
**Gu, Caroline:** Communication Undergraduate Research Event  
**Gu, Fong Ling Jessica:** Oral Panel - From Picturebooks to Pandemics: Influences on Development Across the Lifespan  
**Guel, Elaine:** Poster PN - Food, Plants & Animals  
**Guno, Sean:** On Exhibit - Robots & Medical Technology  
**Gunya, Dishan:** Poster PK - Health & Wellness  
**Guo, Lily:** Celebrating Our Student Scholars  
**Guo, Tammy:** Poster PP - Cells & Molecules  
**Gurbani, Anika:** Poster PT - Health & Wellness  
**Gurumurthi, Sid:** Poster PQ - Science & Technology  
**Gusinde, Ella:** Poster PE - Nature, Life & Environment  
**Gutierrez, Karen:** Poster PC - Health & Wellness  
**Gutknecht, Emily:** Poster PA - Humanities, Arts & Social Sciences  
**Guzaro Cruz, Ivon:** Humanities Research Lab Showcase  
**Guzman, Savannah:** Poster PC - Health & Wellness  
**Gyabin, Chadrick:** Poster PJ - Cells & Molecules  
**Haab, Allison:** Oral Panel - From Pesticides to Pathogens: Understanding the Effects of Stress on Complex Ecologies  
**Haggard, Kyle:** Poster PQ - Science & Technology  
**Haldes, Eli:** Oral Panel - Access in Education: Strategies for Inclusive Spaces Across Disciplines  
**Hamilton, Andrew:** Poster PM - Data & Information  
**Hanus, Brian:** Poster PU - Education, Learning & Human Development  
**Hao, Zedong:** Poster PT - Health & Wellness  
**Harrington, Clarissa:** Poster PH - Education, Learning & Human Development  
**Harris, Samaria:** Oral Panel - Risk and Resilience: Understanding Factors that Influence Our Health  
**Harry, Owen:** Oral Panel - Technology in Healthcare  
**Hart, Laurel:** Poster PP - Cells & Molecules  
**Harty, Kate:** Poster PC - Health & Wellness  
**Hasan, Meyaz:** Image of Research  
**Haslett, Erin:** Poster PG - Social Issues & Policy  
**Hassan, Ahmad:** Poster PX - Cells & Molecules  
**Haugh-Ewald, Emma:** Image of Research  
**Hayes, Londarius:** Image of Research  
**He, Hellen:** Poster PC - Health & Wellness  
**He, Weidai:** Illinois Mathematics Lab Spring Poster Session  
**He, Yifan:** Poster PD - Social Science & Behavior  
**Hea, Elizabeth:** Poster PL - Social Science & Human Behavior  
**Heaney, Tyler:** Poster PW - Science & Technology

**Heberer, Brett:** Poster PI - Science & Technology

**Hegde, Sanat:** Communication Undergraduate Research Event

**Henderson, Emma:** Certificate Awardees

**Herbst, Andrew:** ISUR Research Expo

**Hernandez, Jaredth:** Latina/Latino Studies Senior Symposium

**Hernandez, Nicolas:** Poster PI - Science & Technology

**Hernandez, Norman:** Poster PC - Health & Wellness

**Hershenhouse, Claire:** On Exhibit - Robots & Medical Technology

**Herzig, Quentin:** Poster PJ - Cells & Molecules

**Hiestand, Sarah:** Oral Panel - Assistive Technology

**Hinojosa-Cabrera, Allegra:** Poster PH - Education, Learning & Human Development

**Hislope, Meredith:** Poster PH - Education, Learning & Human Development

**Hladik, Joseph:** Poster PI - Science & Technology

**Ho, Angela:** Poster PJ - Cells & Molecules

**Ho, Emily:** ISUR Research Expo; Poster PU - Education, Learning & Human Development

**Ho, Kaitlyn:** Celebrating Our Student Scholars

**Hoang, Bach:** Poster PQ - Science & Technology

**Hoffman, Nina:** Poster PD - Social Science & Behavior

**Hogan, Daniel:** Parkland Honors Program

**Holland, Sarah:** Oral Panel - Navigating the Climate Crisis: Science, Storytelling, and Policy

**Hollis, Brittni:** Poster PK - Health & Wellness

**Hong, Jisu:** Poster PI - Science & Technology

**Hopkins, Katie:** Poster PC - Health & Wellness

**Horvat, Matthew:** Poster PD - Social Science & Behavior

**Houston, Amari:** Poster PE - Nature, Life & Environment

**Houston, Robert:** Poster PA - Humanities, Arts & Social Sciences

**Howard-Check, Charlotte:** Oral Panel - Old Tales, New Forms: Storytelling across Media

**Howard-Lee, Justice:** Poster PT - Health & Wellness

**Hu, Eva:** Poster PX - Cells & Molecules

**Hu, Nicole:** ISUR Research Expo

**Huang, Alyssa:** On Exhibit - Digital Storytelling & Learning

**Huang, Joanna:** ISUR Research Expo

**Huang, Kristina:** Poster PA - Humanities, Arts & Social Sciences

**Hubrich, Isabella:** Poster PE - Nature, Life & Environment

**Hudson, Jaelyn:** Poster PD - Social Science & Behavior

**Huerta, Erika:** Poster PS - Nature, Life & Environment; Poster PX - Cells & Molecules

**Huffaker, Kyle:** Poster PL - Social Science & Human Behavior

**Hughes, Ashley:** Poster PS - Nature, Life & Environment

**Huller, Ella:** Poster PS - Nature, Life & Environment

**Humphrey, TaCoria:** Poster PL - Social Science & Human Behavior

**Hussaini, Husna:** Certificate Awardees

**Hussaini, Sumayyah:** MechSE Research Showcase

**Hussaini, Zaahi:** On Exhibit - Robots & Medical Technology

**Hwang, Julie:** Poster PN - Food, Plants & Animals

**Hyde, Lauren:** Poster PU - Education, Learning & Human Development

**Idemudia, Nkem:** Poster PH - Education, Learning & Human Development

**Ilic, Helena:** ISUR Research Expo

**Ishak, Damian:** Oral Panel - The Learning Ecosystem: Exploring Language, Education, and Family Dynamics

**Islas, Abigail:** Poster PC - Health & Wellness

**Issel, Max:** Poster PO - Culture & Society

**Iyer, Araditta:** Poster PL - Social Science & Human Behavior

**Izzani, Audra Aurora:** Poster PA - Humanities, Arts & Social Sciences

**Ja, Megan:** ISUR Research Expo; Poster PU - Education, Learning & Human Development

**Jabi, Aya:** Poster PN - Food, Plants & Animals

**Jacobson, Jada:** Poster PU - Education, Learning & Human Development

**Jacobson, Jasmine:** Poster PV - Social Science & Human Behavior

**Jacobson, Michael:** Certificate Awardees

**Jafari Haddadian, Roxana:** Poster PN - Food, Plants & Animals

**Jaime-Rivera, Camilo:** Poster PK - Health & Wellness

**Jain, Himnish:** On Exhibit - Digital Storytelling & Learning

**Jain, Rey:** Poster PT - Health & Wellness

**Jain, Varenya:** Poster PN - Food, Plants & Animals

**Jain, Yoshee:** ISUR Research Expo

**Jakachira, Vanesu:** Oral Panel - Risk and Resilience: Understanding Factors that Influence Our Health

**Jakka, Priyanka:** Poster PD - Social Science & Behavior

**Jammi, Shreyas:** Poster PI - Science & Technology

**Janamanchi, Nisha:** ISUR Research Expo

**Jara, Melinda:** Poster PT - Health & Wellness

**Jenkins, Matthew:** Oral Panel - Creating Belonging: Cultivating Queer Identities and Spaces

**Jhurani, Aman:** MechSE Research Showcase; Poster PW - Science & Technology

**Ji, Jie:** Certificate Awardees

**Jia, Justin:** Poster PI - Science & Technology

**Jiang, Chenghao:** Certificate Awardees

**Jiang, Chenyu:** Poster PG - Social Issues & Policy

**Jiang, Emily:** Poster PT - Health & Wellness

**Jiang, Ke (Max):** Celebrating Our Student Scholars

**Jimenez, Lucas:** Poster PS - Social Science & Human Behavior

**Jimoh, Rushdan:** Certificate Awardees

**Jobi, Serena:** Oral Panel - From Individual to Collective: Redefining Narratives of Identity and Belonging

**Jodjana, Warren:** Poster PU - Education, Learning & Human Development

**Jog, Anisha:** ISUR Research Expo; Poster PI - Science & Technology

**Joglekar, Aniket:** Poster PJ - Cells & Molecules

**Johnson, Noah:** Poster PP - Cells & Molecules

**Johnson, Sarah:** Poster PS - Nature, Life & Environment

**Juarez, Rodolfo:** ISUR Research Expo

**Kaempfe, Leo:** Poster PF - Cells & Molecules

**Kakkassery, Sasha:** Poster PP - Cells & Molecules

**Kakuturu, Neeha:** Oral Panel - Disease Biology & Dynamics

**Kalayjian, Sarine:** Poster PG - Social Issues & Policy

**Kalipi, Vindhya:** Poster PD - Social Science & Behavior

**Kaminsky, Alanna:** Certificate Awardees

**Kanduri, Nikhil:** Poster PD - Social Science & Behavior

**Kapoor, Riya:** Poster PI - Science & Technology

**Karim, Bilal:** Poster PR - Design Thinking & Innovation

**Karwande, Tanya:** Poster PS - Nature, Life & Environment

**Kasaboina, Charvi:** Poster PC - Health & Wellness

**Kattoor, Joel:** Poster PX - Cells & Molecules

**Kaur, Parmeet:** Poster PB - Science & Technology

**Kausik, Neela:** ISUR Research Expo

**Keasler, Abigail:** Poster PK - Health & Wellness

**Keck, Abigail:** Certificate Awardees

**Keener Edmunds, James:** Poster PJ - Cells & Molecules

**Keilman, Greta:** Oral Panel - From Pesticides to Pathogens: Understanding the Effects of Stress on Complex Ecologies

**Keller, Lydia:** Poster PE - Nature, Life & Environment

**Kelley, Erin:** Poster PO - Culture & Society

**Khan, Yasmine:** Poster PJ - Cells & Molecules

**Khan, Zoyia:** Poster PX - Cells & Molecules

**Kim, Adam:** Poster PI - Science & Technology

**Kim, Ashley:** On Exhibit - Digital Storytelling & Learning

**Kim, Benjamin:** Poster PM - Data & Information

**Kim, Grace:** Poster PC - Health & Wellness

**Kim, Ha Yeon:** Parkland Honors Program

**Kim, Hannah:** Poster PF - Cells & Molecules

**Kim, Jun-Ha:** Poster PE - Nature, Life & Environment

**Kim, Sally:** On Exhibit - Robots & Medical Technology

**Kim, Vincent:** Celebrating Our Student Scholars

**Kinel, Emily:** Poster PH - Education, Learning & Human Development

**King, Nick:** Poster PI - Science & Technology

**King, Noah:** Poster PF - Cells & Molecules; Image of Research

**Klein, Leyla:** Parkland Honors Program

**Klugman, Katharine:** Poster PS - Nature, Life & Environment

**Klunke, Natalie:** Poster PG - Social Issues & Policy

**Knapp, Charlie:** Poster PJ - Cells & Molecules

**Knetl, Lillian:** Poster PD - Social Science & Behavior

**Knott, Bryanna:** Celebrating Our Student Scholars  
**Knutte, Maggie:** On Exhibit - Robots & Medical Technology  
**Kogan, Healey:** ISUR Research Expo  
**Kolla, Venkata Krishna Teja:** MechSE Research Showcase  
**Kommalapati, Ananya:** ISUR Research Expo  
**Koorapaty, Anay:** Poster PI - Science & Technology  
**Korveziroska, Amelia:** Celebrating Our Student Scholars  
**Koterba, Catherine:** Poster PX - Cells & Molecules  
**Kowalski, Lauren:** Poster PP - Cells & Molecules  
**Koya, Divya:** ISUR Research Expo  
**Kramer, Casey:** Poster PN - Food, Plants & Animals  
**Krishnaiyer, Amit:** Illinois Mathematics Lab Spring Poster Session  
**Krughoff, Gillian:** Poster PX - Cells & Molecules  
**Kshirsagar, Aditya:** Illinois Mathematics Lab Spring Poster Session  
**Ku, Joseph:** Poster PN - Food, Plants & Animals  
**Kubakh, Martha:** Poster PI - Science & Technology  
**Kulesar, Ariana:** Poster PI - Science & Technology  
**Kulkarni, Mayura:** ISUR Research Expo; Oral Panel - Technology in Healthcare  
**Kumar, Akshara:** Poster PK - Health & Wellness  
**Kumar, Sarika:** Poster PC - Health & Wellness  
**Kwok, Ziyi:** Poster PF - Cells & Molecules  
**Kwon, Christine:** Poster PV - Social Science & Human Behavior  
**Kwon, Hyunwoo:** Poster PW - Science & Technology  
**Kye, Ethan:** Poster PG - Social Issues & Policy  
**La, Catherine:** Poster PX - Cells & Molecules  
**Lahey, Jennifer:** Poster PT - Health & Wellness  
**Lam, Sam:** Illinois Mathematics Lab Spring Poster Session  
**Lam, Samuel:** Poster PM - Data & Information  
**Lang, Amy:** ISUR Research Expo  
**Lanham, Kelly:** Oral Panel - Using Data for Social Change  
**Lanz, Marissa:** ISUR Research Expo  
**Lapitsky, Regina:** Poster PC - Health & Wellness  
**Lareau, Gabe:** Oral Panel - Navigating the Climate Crisis: Science, Storytelling, and Policy  
**LaSalle, Connor:** Poster PR - Design Thinking & Innovation  
**Lau, Isabella:** Poster PH - Education, Learning & Human Development  
**Laufenberg, Eleanor:** Poster PD - Social Science & Behavior  
**Laury, Gracie:** Poster PT - Health & Wellness  
**Layette, Austin:** Parkland Honors Program  
**Le, Kathy:** Poster PD - Social Science & Behavior  
**Lee, Chloe:** Poster PD - Social Science & Behavior  
**Lee, Esther:** ISUR Research Expo  
**Lee, Faith:** On Exhibit - Robots & Medical Technology  
**Lee, Hyeongseok:** Poster PA - Humanities, Arts & Social Sciences  
**Lee, Matthew:** Poster PB - Science & Technology  
**Legowski, Daniel:** Poster PP - Cells & Molecules  
**Leman, Amy:** Poster PG - Social Issues & Policy  
**Leonardson, Matthew:** Illinois Mathematics Lab Spring Poster Session  
**Lepinskas, Cate:** Poster PC - Health & Wellness  
**LeShoure, Madisen:** Celebrating Our Student Scholars  
**Leverly, Fynn:** Oral Panel - Creating Belonging: Cultivating Queer Identities and Spaces; Poster PG - Social Issues & Policy  
**Lewis, Gabe:** Illinois Mathematics Lab Spring Poster Session; Poster PB - Science & Technology  
**Lewis, Christina:** Celebrating Our Student Scholars  
**Li, David:** Illinois Mathematics Lab Spring Poster Session  
**Li, Jason:** Celebrating Our Student Scholars  
**Li, Litao:** Poster PQ - Science & Technology  
**Li, Mai:** Poster PI - Science & Technology  
**Li, Ruixin:** Poster PB - Science & Technology  
**Li, Yu:** ISUR Research Expo  
**Liang, Yinuan:** Poster PI - Science & Technology  
**Lindsay, Aidan:** Oral Panel - Machine Learning in Action  
**Lindstrom, Lauren:** Poster PT - Health & Wellness  
**Lisa, Nicholas:** Poster PS - Nature, Life & Environment  
**Litauski, Sophia:** MechSE Research Showcase; ISUR Research Expo  
**Liu, Jirui:** Illinois Mathematics Lab Spring Poster Session

**Liu, Kevin:** Illinois Mathematics Lab Spring Poster Session  
**Liu, Lening:** Poster PU - Education, Learning & Human Development  
**Liu, Rachel:** Certificate Awardees  
**Liu, Yichen:** Poster PM - Data & Information  
**Liu, Zhengde:** Certificate Awardees  
**Livermore, Hanne:** Poster PK - Health & Wellness  
**Loewenstein, Alina:** Oral Panel - Using Data for Social Change  
**Logan, Anna:** Poster PS - Nature, Life & Environment  
**Long, Qi:** Oral Panel - Machine Learning in Action  
**Long, Sherry:** ISUR Research Expo  
**Longi, Nour:** On Exhibit - Robots & Medical Technology  
**Longo, Samuele:** Poster PU - Education, Learning & Human Development  
**Lopez, Andres:** Poster PN - Food, Plants & Animals  
**Lopez, Diego:** Poster PO - Culture & Society; Poster PP - Cells & Molecules  
**Lopez Hernandez, Esmeralda:** Oral Panel - Harnessing Technology for Animal Welfare and Sustainability  
**Lu, Austin:** Certificate Awardees  
**Lu, Elli:** Poster PW - Science & Technology  
**Lu, Emmanuel:** Poster PE - Nature, Life & Environment  
**Lucas, Lilian:** Celebrating Our Student Scholars  
**Lum, Andrew:** ISUR Research Expo; Poster PB - Science & Technology; Celebrating Our Student Scholars  
**Luna, Yahir:** Parkland Honors Program  
**Lund, Samantha:** ISUR Research Expo  
**Ly, Xuan:** Oral Panel - Redesigning Communication and Engagement in Education  
**MacDonald, Kendell:** Poster PH - Education, Learning & Human Development  
**Macias, Mia:** Poster PG - Social Issues & Policy  
**MacLean, Lauren:** Poster PE - Nature, Life & Environment  
**Madel, Patricia:** Poster PX - Cells & Molecules  
**Madhav, Nayanika:** Poster PC - Health & Wellness  
**Madondo, Tasho:** On Exhibit - Digital Storytelling & Learning  
**Mahapatra, Amitabh:** Poster PB - Science & Technology; Celebrating Our Student Scholars  
**Maheshwari, Anya:** On Exhibit - Robots & Medical Technology  
**Maiya, Kriti:** Poster PX - Cells & Molecules  
**Majumdar, Shreya:** Poster PI - Science & Technology  
**Malik, Saneeca:** Parkland Honors Program  
**Malladi, Shreyas:** MechSE Research Showcase; Poster PR - Design Thinking & Innovation  
**Mandal, Bryonie:** Poster PC - Health & Wellness  
**Manepalli, Anvitha:** Illinois Mathematics Lab Spring Poster Session  
**Manley, Devin:** Oral Panel - The Research Process across Disciplines  
**Mansour, Asmaa:** Poster PT - Health & Wellness  
**Mantry, Harshvardhan:** Poster PB - Science & Technology; Poster PQ - Science & Technology; Celebrating Our Student Scholars  
**Manuel, Marina:** Poster PL - Social Science & Human Behavior  
**Manukian, Emma:** Poster PH - Education, Learning & Human Development; Poster PL - Social Science & Human Behavior  
**Marin, Daniela:** Poster PD - Social Science & Behavior  
**Mark, Syd:** Oral Panel - From Individual to Collective: Redefining Narratives of Identity and Belonging  
**Markowitz, Erin:** Certificate Awardees  
**Markstahler, Claire:** Parkland Honors Program  
**Marsden, Olivia:** Poster PE - Nature, Life & Environment  
**Martin, Allanah:** Poster PC - Health & Wellness  
**Martin, Avery:** Communication Undergraduate Research Event; Poster PO - Culture & Society  
**Martinez, Elizabeth:** Poster PT - Health & Wellness  
**Martinez, Jose:** ISUR Research Expo  
**Martinez, Michelle:** Poster PT - Health & Wellness  
**Mason, Jonathan:** Poster PE - Nature, Life & Environment  
**Mason, Tracy:** Poster PG - Social Issues & Policy  
**Mathew, Alan:** Poster PI - Science & Technology  
**Mathew, Roshni:** ISUR Research Expo  
**Mathews, Julie:** Poster PC - Health & Wellness  
**Matuszewski, Julie:** Oral Panel - The Research Process across Disciplines  
**Mazur, Alexandra:** Poster PW - Science & Technology

<b>Mbanda, Alianna:</b> Parkland Honors Program	<b>Nelavelli, Yash:</b> Poster PB - Science & Technology
<b>McDonald, Griffin:</b> Humanities Research Lab Showcase	<b>Nelson, Sydney:</b> ISUR Research Expo
<b>McGee, Hannah:</b> Poster PP - Cells & Molecules	<b>Nguyen, Duc:</b> Poster PB - Science & Technology
<b>McMahon, Ryan:</b> Poster PH - Education, Learning & Human Development; Poster PU - Education, Learning & Human Development	<b>Nguyen, Grace:</b> Poster PC - Health & Wellness
<b>Meda, Ritu:</b> Poster PI - Science & Technology	<b>Nguyen, MaryAnne:</b> Poster PC - Health & Wellness
<b>Mehta, Aarya:</b> Oral Panel - Challenging Our Senses	<b>Nguyen, Uyen:</b> Illinois Mathematics Lab Spring Poster Session; Poster PB - Science & Technology
<b>Mehta, Mudrit:</b> On Exhibit - Robots & Medical Technology	<b>Ni, Amy:</b> Poster PK - Health & Wellness
<b>Mei, Sophia:</b> Poster PD - Social Science & Behavior	<b>Nibhanupudi, Spoorthi:</b> ISUR Research Expo
<b>Melrose, Avery:</b> Poster PS - Nature, Life & Environment	<b>Nieto, Mia:</b> Poster PT - Health & Wellness
<b>Mendez, Arianna:</b> Poster PI - Science & Technology	<b>Nieto Gonzalez, Eric:</b> Poster PR - Design Thinking & Innovation
<b>Mendoza Mota, Amayranet:</b> Latina/Latino Studies Senior Symposium	<b>Nippani, Sneha:</b> Poster PW - Science & Technology
<b>Menichini, Rose:</b> MechSE Research Showcase	<b>Nizar, Mishal:</b> Poster PH - Education, Learning & Human Development
<b>Menon, Parvati:</b> Poster PQ - Science & Technology	<b>Nkeze, Blessing:</b> Oral Panel - Assistive Technology
<b>Merz, Sylvia:</b> Poster PT - Health & Wellness	<b>Noga, Maksymilian:</b> Poster PU - Education, Learning & Human Development
<b>Merza, Cozette:</b> Poster PT - Health & Wellness	<b>Nunge, Jessica:</b> Poster PE - Nature, Life & Environment
<b>Messerges, Olivia:</b> Poster PN - Food, Plants & Animals	<b>Nwokenkwo, Solange:</b> Poster PK - Health & Wellness
<b>Mi, Nancy:</b> Poster PO - Culture & Society	<b>Ocana, Thais:</b> Poster PK - Health & Wellness
<b>Mihigo, Natalia:</b> Poster PK - Health & Wellness	<b>Odenkirk, Linus:</b> Parkland Honors Program
<b>Mikhael, Theodoros:</b> Oral Panel - Cellular Processes	<b>Oei, Christopher:</b> Poster PI - Science & Technology
<b>Miller, Lillian:</b> Poster PH - Education, Learning & Human Development	<b>Oesterling, Lydia:</b> Poster PU - Education, Learning & Human Development
<b>Miller, Rachel:</b> Poster PC - Health & Wellness	<b>Olalde, Andres:</b> Oral Panel - Optimizing Animal Production: Nutrition, Management, and Measurement
<b>Mitchell, Grace:</b> Celebrating Our Student Scholars	<b>Olivero, Noah:</b> Poster PB - Science & Technology
<b>Mitchell, Sophia:</b> Illinois Distributed Museum Tour	<b>Ordaz, Maya:</b> Poster PC - Health & Wellness
<b>Mittal, Sia:</b> ISUR Research Expo	<b>Ortega, Emma:</b> Poster PA - Humanities, Arts & Social Sciences
<b>Mittal, Sneha:</b> Oral Panel - Cells & Health	<b>Ortiz, Lesly:</b> Poster PO - Culture & Society
<b>Mobo, Wannie:</b> Poster PS - Nature, Life & Environment	<b>Osmon, Brianna:</b> Poster PV - Social Science & Human Behavior
<b>Modesitt, Eric:</b> ISUR Research Expo	<b>Ouyang, Jonathan:</b> Oral Panel - Cellular Processes
<b>Mohamednor, Mariam:</b> Poster PD - Social Science & Behavior	<b>Owen, Lucille:</b> Oral Panel - Using Data for Social Change
<b>Mohammadi, Rene:</b> ISUR Research Expo	<b>Padilla, Julianna:</b> Poster PX - Cells & Molecules
<b>Mohan, Jo:</b> Poster PQ - Science & Technology	<b>Pak, Jane:</b> Illinois Mathematics Lab Spring Poster Session; Poster PU - Education, Learning & Human Development
<b>Monogyios, Nikolaos:</b> Celebrating Our Student Scholars	<b>Pal, Trisha:</b> Poster PP - Cells & Molecules
<b>Monroe, William:</b> Communication Undergraduate Research Event; Poster PV - Social Science & Human Behavior	<b>Pan, Ruiqi:</b> Certificate Awardees
<b>Montgomery, Philip:</b> Poster PM - Data & Information	<b>Panfil, Holly:</b> Poster PV - Social Science & Human Behavior
<b>Moon, Seokhwan:</b> Illinois Mathematics Lab Spring Poster Session; Poster PS - Nature, Life & Environment	<b>Panjaitan, Naro:</b> Illinois Mathematics Lab Spring Poster Session
<b>Moore, Ethan:</b> Celebrating Our Student Scholars	<b>Pantoja Lara, Fatima:</b> Poster PT - Health & Wellness
<b>Moore, Hannah:</b> Parkland Honors Program	<b>Pardeshi, Akash:</b> ISUR Research Expo
<b>Moore, Trezorann:</b> Parkland Honors Program	<b>Parikh, Milan:</b> Celebrating Our Student Scholars
<b>Moran, Luis:</b> ISUR Research Expo	<b>Park, Jeongjae:</b> Illinois Mathematics Lab Spring Poster Session
<b>Morgan, Sophie:</b> Poster PA - Humanities, Arts & Social Sciences	<b>Park, Junmee:</b> Poster PU - Education, Learning & Human Development
<b>Moss, Lucy:</b> Poster PU - Education, Learning & Human Development	<b>Park, Nicole:</b> Celebrating Our Student Scholars
<b>Moy, Lauren:</b> Poster PE - Nature, Life & Environment	<b>Park, Sujin:</b> Image of Research
<b>Mu, Saifei:</b> Poster PL - Social Science & Human Behavior	<b>Partlow, Jeremy:</b> Parkland Honors Program
<b>Mudd, Ethan:</b> Poster PR - Design Thinking & Innovation	<b>Parzych, Julia:</b> Poster PH - Education, Learning & Human Development
<b>Mueller, Emma:</b> Poster PK - Health & Wellness	<b>Pashyan, Stella:</b> Poster PO - Culture & Society
<b>Mueller, Joseph:</b> Poster PF - Cells & Molecules	<b>Paskali, Elisabeth:</b> Poster PK - Health & Wellness
<b>Mukherjee, Tara:</b> Poster PX - Cells & Molecules	<b>Pasynkov, Anastasia:</b> Poster PP - Cells & Molecules
<b>Mukhopadhyay, Aaron:</b> Oral Panel - In Pursuit of Liberation	<b>Patel, Aditi:</b> Poster PE - Nature, Life & Environment
<b>Mummadi, Sreya:</b> Poster PX - Cells & Molecules	<b>Patel, Anjali:</b> Poster PD - Social Science & Behavior
<b>Mundra, Shashwat:</b> Poster PO - Culture & Society	<b>Patel, Dhenu:</b> Poster PE - Nature, Life & Environment
<b>Murphy, Cassidy:</b> Poster PG - Social Issues & Policy	<b>Patel, Kajal:</b> ISUR Research Expo; Poster PU - Education, Learning & Human Development
<b>Murphy, Kate:</b> Poster PP - Cells & Molecules	<b>Patel, Maya:</b> Oral Panel - Cells & Health
<b>Murphy, Sean:</b> Poster PO - Culture & Society	<b>Patel, Nidhi:</b> Poster PO - Culture & Society
<b>Murty, Arvind:</b> Illinois Mathematics Lab Spring Poster Session	<b>Patel, Rayna:</b> Poster PG - Social Issues & Policy
<b>Muruges, Varshini:</b> ISUR Research Expo	<b>Patel, Vishwa:</b> Poster PJ - Cells & Molecules
<b>Mwilambwe, Mariama:</b> Celebrating Our Student Scholars	<b>Patino, Nicolas:</b> Certificate Awardees
<b>Myers, Maria:</b> Poster PC - Health & Wellness	<b>Patnaik, Trisha:</b> ISUR Research Expo; Poster PP - Cells & Molecules
<b>Nabie, Pouya:</b> Poster PP - Cells & Molecules	<b>Pazerunas, Olivia:</b> Poster PN - Food, Plants & Animals
<b>Nachbat, Lujain:</b> Poster PI - Science & Technology	<b>Pearl, Greta:</b> Poster PC - Health & Wellness
<b>Nallacheruvu, Sailaja:</b> ISUR Research Expo	<b>Pecoraro Hernandez, Antonia:</b> Oral Panel - Shaping Judgement: How Perceptions Influence Evaluation
<b>Nallamotu, Keerthana:</b> ISUR Research Expo	<b>Pekay, Benjamin:</b> Poster PA - Humanities, Arts & Social Sciences
<b>Nandani, Kush:</b> Poster PB - Science & Technology	<b>Pellegrinetti, Avi:</b> Oral Panel - From Embodied Narratives to Imagined Futures: Exploring Love, Madness, and Posthuman Utopias
<b>Narasimhan, Rohan:</b> Poster PI - Science & Technology; Image of Research	<b>Peng, Larry:</b> Poster PD - Social Science & Behavior
<b>Narimal, Nirmal:</b> Poster PE - Nature, Life & Environment	
<b>Naveja, Katie:</b> Poster PC - Health & Wellness	



**Penrod, Corrie:** Poster PK - Health & Wellness  
**Penrod, Maron:** Poster PK - Health & Wellness  
**Peralta, Emanuel:** Poster PR - Design Thinking & Innovation  
**Peramanu, Suhani:** Poster PS - Nature, Life & Environment  
**Perry, Sofia:** Poster PP - Cells & Molecules  
**Peters, Marie:** Poster PN - Food, Plants & Animals  
**Petruzzi, Dominic:** ISUR Research Expo  
**Pfeifer, Molly:** Poster PA - Humanities, Arts & Social Sciences  
**Phalen, Jonathan:** Celebrating Our Student Scholars  
**Pham, Diana:** Image of Research  
**Phan, Aja:** MechSE Research Showcase; Poster PX - Cells & Molecules; Celebrating Our Student Scholars  
**Phillips, Katrina:** Oral Panel - Creating Belonging: Cultivating Queer Identities and Spaces  
**Pickerill, Lauryn:** Poster PC - Health & Wellness  
**Pilchen, Atlas:** Poster PT - Health & Wellness  
**Pillai, Vinny:** Poster PX - Cells & Molecules  
**Pirani, Aydan:** Certificate Awardees  
**Plambeck, Ani:** Poster PA - Humanities, Arts & Social Sciences  
**Pochiraju, Saket:** Poster PO - Culture & Society  
**Polanek, Max:** Certificate Awardees  
**Ponce, Monserrat:** Poster PK - Health & Wellness  
**Portillo, Raphael:** Celebrating Our Student Scholars  
**Poteat, Truman:** Poster PJ - Cells & Molecules  
**Powell, Nicole:** Parkland Honors Program  
**Prabhu, Rahul:** ISUR Research Expo  
**Prybylski, Emma:** Oral Panel - Optimizing Animal Production: Nutrition, Management, and Measurement; Poster PJ - Cells & Molecules  
**Puppala, Nikhila:** ISUR Research Expo  
**Purohit, Karnika:** Poster PQ - Science & Technology  
**Purohit, Nitika:** ISUR Research Expo  
**Purwar, Ishita:** Poster PJ - Cells & Molecules  
**Puthiaparambil, John:** Poster PR - Design Thinking & Innovation  
**Qian, Yuan:** Illinois Mathematics Lab Spring Poster Session  
**Qiu, Mengxuan:** Poster PI - Science & Technology  
**Quafisheh, Jenna:** Poster PH - Education, Learning & Human Development  
**Quero, Nic:** Oral Panel - Contesting Narratives: Gender, Colonialism, and the Power of Representation  
**Quinones, Emilia:** Poster PO - Culture & Society  
**Quintana, Jennifer:** Poster PO - Culture & Society  
**Radecki, Martin:** Poster PI - Science & Technology  
**Rahman, Amal:** Poster PC - Health & Wellness  
**Rajesh, Dhruvi:** Poster PW - Science & Technology  
**Ramachandran, Neha:** Poster PF - Cells & Molecules  
**Ramavarapu, Maya:** ISUR Research Expo  
**Ramirez, Sean:** ISUR Research Expo  
**Ramos, Lizbeth:** Poster PC - Health & Wellness  
**Ramos, Sophia:** Poster PT - Health & Wellness  
**Ranganathan, Navin:** ISUR Research Expo  
**Ranjani, Illakkia:** Poster PA - Humanities, Arts & Social Sciences  
**Rao, Anisha:** Poster PM - Data & Information  
**Rathbun, Madeline:** Poster PS - Nature, Life & Environment  
**Rattin, Kevin:** Poster PQ - Science & Technology  
**Raval, Ava:** Poster PH - Education, Learning & Human Development  
**Ravi, Prithika:** Poster PT - Health & Wellness; Celebrating Our Student Scholars  
**Raviv, Maya:** Poster PP - Cells & Molecules  
**Rawls, Noah:** Oral Panel - Creating Belonging: Cultivating Queer Identities and Spaces; Poster PG - Social Issues & Policy  
**Redden, Ella:** Poster PH - Education, Learning & Human Development  
**Reddy, Manasi:** Poster PP - Cells & Molecules  
**Redeker, Emily:** On Exhibit - Digital Storytelling & Learning  
**Reed, Allison:** Poster PG - Social Issues & Policy  
**Refaqat, Eliza:** Poster PI - Science & Technology  
**Rehman, Haseeb:** Oral Panel - Assistive Technology  
**Remmers, Charlie:** Poster PI - Science & Technology  
**Rettig, Brian:** Poster PF - Cells & Molecules  
**Reynoso, Juan:** MechSE Research Showcase

**Richards, Patricia:** Oral Panel - Mobility & Design  
**Richey, Tess:** Poster PH - Education, Learning & Human Development  
**Richlin, Li:** Parkland Honors Program  
**Rickord, Walker:** Celebrating Our Student Scholars; Certificate Awardees  
**Ridens, Stevie:** Illinois Mathematics Lab Spring Poster Session  
**Riesing, Kathryn:** Poster PU - Education, Learning & Human Development  
**Rivera, Melissa:** Image of Research  
**Roberson, Brianna:** Poster PT - Health & Wellness  
**Roberts, Carly:** Poster PL - Social Science & Human Behavior  
**Robinson, Jason:** Oral Panel - Mobility & Design  
**Rockoff, Noah:** Poster PM - Data & Information  
**Rockwell, Hannah:** Poster PX - Cells & Molecules  
**Rosenblum, Mateen:** Poster PD - Social Science & Behavior  
**Rosner, Samuel:** ISUR Research Expo  
**Rosu, Dan:** Poster PT - Health & Wellness  
**Ru, Michelle:** Poster PU - Education, Learning & Human Development  
**Rubovits, Eve:** Certificate Awardees  
**Rudolph, Holly:** Poster PQ - Science & Technology  
**Rudy, Savanna:** Poster PK - Health & Wellness  
**Russel, Maddie:** Poster PH - Education, Learning & Human Development  
**Rzepa, Natalia:** Humanities Research Lab Showcase; Poster PV - Social Science & Human Behavior  
**Rzesutek, Dominik:** Poster PB - Science & Technology  
**Saatci, Tamer:** Celebrating Our Student Scholars  
**Sadrudin, Sabeen:** Poster PK - Health & Wellness  
**Salam, Hanif:** Poster PK - Health & Wellness  
**Salaudeen, Nurudeen:** Poster PT - Health & Wellness  
**Salawu, Lani:** Poster PT - Health & Wellness  
**Salawu, Mobolanle:** Poster PT - Health & Wellness  
**Salinas Gallo, Andrea:** Poster PE - Nature, Life & Environment  
**Sander, Ellie:** Poster PN - Food, Plants & Animals  
**Santiago, Halle-Mari:** Poster PI - Science & Technology  
**Sara, Gordon:** Poster PX - Cells & Molecules  
**Schaefer, Jenna:** Celebrating Our Student Scholars  
**Schmidt, Emma:** Poster PS - Nature, Life & Environment  
**Schneider, Gabriella:** Poster PK - Health & Wellness  
**Schnitzler, Emma:** Poster PS - Nature, Life & Environment  
**Schnulle, Emma:** Poster PN - Food, Plants & Animals  
**Schnulle, Nora:** Oral Panel - Navigating the Climate Crisis: Science, Storytelling, and Policy  
**Schultz, Amanda:** ISUR Research Expo  
**Schultz, Matthew:** Celebrating Our Student Scholars  
**Schwarz, Harley:** Poster PE - Nature, Life & Environment  
**Searsmith, Quinn:** Certificate Awardees  
**Seidensticker, Brandon:** Poster PG - Social Issues & Policy  
**Sen, Siddhant:** Poster PW - Science & Technology  
**Septon, Jeremy:** Poster PD - Social Science & Behavior  
**Serador, Audric:** Poster PD - Social Science & Behavior  
**Sethi, Danish Singh:** Poster PD - Social Science & Behavior  
**Shaffer, Alex:** On Exhibit - Digital Storytelling & Learning  
**Shaffer, Marie:** Poster PN - Food, Plants & Animals  
**Shah, Anmol:** Illinois Mathematics Lab Spring Poster Session; Poster PU - Education, Learning & Human Development  
**Shah, Arshiya:** Poster PG - Social Issues & Policy  
**Shah, Arya:** Poster PI - Science & Technology  
**Shah, Ved:** Oral Panel - Unveiling the Extreme Universe: From Neutron Stars to Black Holes  
**Shah, Vedika:** Poster PA - Humanities, Arts & Social Sciences  
**Shan, Kaiyan:** Celebrating Our Student Scholars  
**Shang, Iris:** Poster PL - Social Science & Human Behavior  
**Shankar, Prakriti:** Poster PX - Cells & Molecules  
**Shanthappa, Nidhi:** Poster PW - Science & Technology  
**Shapiro, Ben:** Poster PB - Science & Technology  
**Sharma, Ansh:** Celebrating Our Student Scholars  
**Sharma, Garima:** ISUR Research Expo  
**Sharma, Vani:** Poster PF - Cells & Molecules  
**Shearrill, Nina:** Poster PS - Nature, Life & Environment

**Shen, Edwin:** Illinois Mathematics Lab Spring Poster Session  
**Shi, Minghao:** Illinois Mathematics Lab Spring Poster Session  
**Shi, Shuoning:** Oral Panel - Technology in Healthcare; Poster PR - Design Thinking & Innovation  
**Shih, Alyssa:** Poster PE - Nature, Life & Environment  
**Shirkevich, Sonja:** Certificate Awardees  
**Shou, Fangyi:** Poster PN - Food, Plants & Animals  
**Shou, Mag:** Communication Undergraduate Research Event  
**Shvydkoy, Dmitriy:** Illinois Mathematics Lab Spring Poster Session; Poster PB - Science & Technology  
**Siers, Morgan:** Poster PS - Nature, Life & Environment  
**Sigman, Delaina:** Poster PP - Cells & Molecules  
**Siler, Krista:** Poster PG - Social Issues & Policy  
**Simmons, Katilyn:** Poster PX - Cells & Molecules  
**Singh, Ananya:** Celebrating Our Student Scholars  
**Singh, Prerana:** Poster PQ - Science & Technology  
**Sinjaradze, Natalie:** Poster PK - Health & Wellness  
**Siram, Neha:** Poster PW - Science & Technology  
**Sirdich, Brianna:** Poster PC - Health & Wellness  
**Siripun, Naphat:** Poster PW - Science & Technology  
**Sivakumar, Soundarya:** Poster PT - Health & Wellness  
**Sivilotti, Sofia:** Poster PX - Cells & Molecules  
**Skousen, Adam:** Parkland Honors Program  
**Skurnak, Kaitlin:** Oral Panel - Mobility & Design  
**Slaughter, Gwendolyn:** On Exhibit - Digital Storytelling & Learning  
**Smelko, Edith:** Poster PS - Nature, Life & Environment  
**Smith, Grace:** MechSE Research Showcase; ISUR Research Expo; Poster PQ - Science & Technology  
**Smith, La La:** Communication Undergraduate Research Event  
**Smith, Leeanne:** Poster PW - Science & Technology  
**Smith, Tyler:** Oral Panel - Unraveling Neurological Mysteries  
**Smithey, Delilah:** Poster PE - Nature, Life & Environment  
**Smriti, Smriti:** On Exhibit - Digital Storytelling & Learning  
**Snipe, Brandon:** Certificate Awardees  
**Soellner, Liz:** Poster PQ - Science & Technology  
**Somerville, Michael:** Poster PN - Food, Plants & Animals  
**Son, Yujung:** Poster PV - Social Science & Human Behavior  
**Sophie, Uwamahoro:** Poster PD - Social Science & Behavior  
**Southey, Nicole:** ISUR Research Expo  
**Sowizral, Jacob:** Poster PX - Cells & Molecules  
**Spiliopoulos, Nicoletta:** Poster PC - Health & Wellness; Poster PT - Health & Wellness  
**Sriramlatha, Priyadharshini:** Poster PU - Education, Learning & Human Development  
**Srivastava, Dhruv:** Poster PI - Science & Technology  
**Stange, Lilly:** Poster PH - Education, Learning & Human Development  
**Stanton, Josie:** Humanities Research Lab Showcase; Oral Panel - Decentering Political Narratives: Local Stories, Global Impacts  
**Stec, Lauren:** Poster PL - Social Science & Human Behavior  
**Stephen, Ann:** Certificate Awardees  
**Stemm, Megan:** Poster PD - Social Science & Behavior  
**Stebuy, Charlotte:** Oral Panel - Challenging Our Senses  
**Stolker, Jacob:** Poster PI - Science & Technology  
**Straus, Maxwell:** Poster PX - Cells & Molecules  
**Streit, Sara:** Poster PF - Cells & Molecules  
**Strohmeier, Isabella:** Poster PN - Food, Plants & Animals; Celebrating Our Student Scholars  
**Stubblefield, Winter:** Poster PS - Nature, Life & Environment  
**Sudharta, Arista:** Poster PL - Social Science & Human Behavior  
**Suga, Armaan:** Poster PI - Science & Technology  
**Sullivan, Claire:** Poster PN - Food, Plants & Animals  
**Sulzen, Martha:** Poster PV - Social Science & Human Behavior  
**Sun, Cliff:** Poster PQ - Science & Technology  
**Sun, Rachel:** Celebrating Our Student Scholars  
**Suri, Arunima:** Poster PI - Science & Technology  
**Surya, Thea:** ISUR Research Expo  
**Sushkova, Anastasiya:** Certificate Awardees  
**Swamy, Meher:** Poster PD - Social Science & Behavior

**Swanson, Tyler:** Certificate Awardees  
**Syed, Adam:** Poster PF - Cells & Molecules  
**Szczepanski, Martha:** Oral Panel - Mobility & Design  
**Taj, Sumehra:** Poster PX - Cells & Molecules  
**Takiff, Zachary:** Poster PS - Nature, Life & Environment  
**Tam, Markus:** ISUR Research Expo  
**Tan, Ivilyn:** Poster PF - Cells & Molecules  
**Tang, Anne:** Poster PK - Health & Wellness  
**Tang, Elizabeth:** Celebrating Our Student Scholars  
**Taylor, Ben:** Illinois Mathematics Lab Spring Poster Session  
**Taylor, Lydia:** ISUR Research Expo; Poster PX - Cells & Molecules  
**Taylor, Natalie:** Oral Panel - Access in Education: Strategies for Inclusive Spaces Across Disciplines  
**Tegge, William:** ISUR Research Expo  
**Thakkar, Khushi:** Poster PL - Social Science & Human Behavior  
**Thing, Megan:** Poster PW - Science & Technology  
**Thomas, Caleb:** Poster PI - Science & Technology  
**Thomas, Kieran:** Poster PC - Health & Wellness  
**Thomas, Nevin:** Poster PQ - Science & Technology  
**Thompson, Abby:** Poster PP - Cells & Molecules  
**Thompson, Jae'da:** Poster PG - Social Issues & Policy  
**Thompson, Preston:** Oral Panel - Contesting Narratives: Gender, Colonialism, and the Power of Representation  
**Thuo, Ethan:** Poster PG - Social Issues & Policy  
**Tibrewal, Anushree:** ISUR Research Expo; Poster PM - Data & Information  
**Tirumale, Raghav:** Poster PJ - Cells & Molecules  
**Toscano, Aidan:** MechSE Research Showcase  
**Towle, Natalie:** Poster PS - Nature, Life & Environment  
**Trela, Corey:** Poster PX - Cells & Molecules  
**Trendler, Riley:** Celebrating Our Student Scholars  
**Trinidad, Zion:** Oral Panel - Access in Education: Strategies for Inclusive Spaces Across Disciplines  
**Tuan, Felicity:** Poster PU - Education, Learning & Human Development  
**Tunuguntla, Asritha:** Poster PA - Humanities, Arts & Social Sciences  
**Tuvilleja, Kaitlyn Faith:** Poster PR - Design Thinking & Innovation  
**Twigg, Franceska:** Poster PA - Humanities, Arts & Social Sciences  
**Uche-Ike, Uchechukwu:** Oral Panel - The Learning Ecosystem: Exploring Language, Education, and Family Dynamics  
**Uppuluri, Nishi:** ISUR Research Expo  
**Urbonas, Anika:** Poster PK - Health & Wellness  
**Usman, Anne-Farah:** Oral Panel - Unraveling Neurological Mysteries; Image of Research  
**Vaidya, Arjun:** Poster PL - Social Science & Human Behavior  
**Vaidya, Aryan:** ISUR Research Expo  
**Valavala, Neha:** Illinois Mathematics Lab Spring Poster Session  
**Valenzuela-Gutierrez, Analucia:** Poster PH - Education, Learning & Human Development  
**Valerio, Michelle:** Latina/Latino Studies Senior Symposium  
**Vallejo, Jesus:** Poster PS - Nature, Life & Environment  
**Van Wazer, John:** Poster PI - Science & Technology  
**Varaniuk, Jenya:** Poster PK - Health & Wellness  
**Varma, Nandana:** Poster PX - Cells & Molecules  
**Varshney, Avni:** On Exhibit - Robots & Medical Technology  
**Vazquez, Andres:** Celebrating Our Student Scholars  
**Vassileva, Ralitsa:** Poster PC - Health & Wellness  
**Vassos, Jamie:** Poster PH - Education, Learning & Human Development  
**Ved, Aditya:** Illinois Mathematics Lab Spring Poster Session  
**Vemuri, Aparajita:** Poster PD - Social Science & Behavior; Poster PU - Education, Learning & Human Development; Certificate Awardees  
**Vile, Jacob:** Poster PS - Nature, Life & Environment  
**Villafior, Valerie:** Communication Undergraduate Research Event; Poster PN - Food, Plants & Animals  
**Villalobos, Michelle:** Poster PJ - Cells & Molecules  
**Villano, Lara:** Poster PP - Cells & Molecules; Image of Research  
**Vinjamuri, Shreya:** ISUR Research Expo  
**Vitallo, Catherine:** Poster PE - Nature, Life & Environment  
**Vo, Quan:** Poster PR - Design Thinking & Innovation  
**Vo, Vinh:** Poster PV - Social Science & Human Behavior

## UNDERGRADUATE RESEARCH WEEK APRIL 21 - 27, 2024

<b>Volz, Adeline:</b> Poster PE - Nature, Life & Environment	<b>Yan, Jack:</b> On Exhibit - Robots & Medical Technology; Celebrating Our Student Scholars
<b>Vondra, Hannah:</b> Oral Panel - From Embodied Narratives to Imagined Futures: Exploring Love, Madness, and Posthuman Utopias	<b>Yang, Ledan:</b> Oral Panel - From Picturebooks to Pandemics: Influences on Development Across the Lifespan
<b>Vorotnjak, Severin:</b> Poster PI - Science & Technology	<b>Yang, Ruozhen:</b> ISUR Research Expo
<b>Wacker, Bruce:</b> Parkland Honors Program	<b>Yao, Norah:</b> Oral Panel - Risk and Resilience: Understanding Factors that Influence Our Health; Certificate Awardees
<b>Wang, Amy:</b> ISUR Research Expo	<b>Yao, Ryan:</b> Poster PJ - Cells & Molecules
<b>Wang, Emily:</b> Poster PF - Cells & Molecules	<b>Yao, Tianyong:</b> Illinois Mathematics Lab Spring Poster Session
<b>Wang, Eric:</b> On Exhibit - Robots & Medical Technology	<b>Ye, Zhiheng:</b> Poster PM - Data & Information
<b>Wang, Firmiana:</b> ISUR Research Expo	<b>Yedavalli, Anjali:</b> Poster PK - Health & Wellness
<b>Wang, Jingtong:</b> ISUR Research Expo	<b>Yeoh Keng Aik, Benedict:</b> Certificate Awardees
<b>Wang, Kecheng:</b> Poster PP - Cells & Molecules	<b>Yeon, Jehyeok:</b> Poster PD - Social Science & Behavior
<b>Wang, Nancy:</b> ISUR Research Expo	<b>Yin, Corey:</b> ISUR Research Expo
<b>Wang, Phyllis:</b> ISUR Research Expo	<b>Ying, Matt:</b> Oral Panel - Technology in Healthcare
<b>Wang, Tiger:</b> Poster PM - Data & Information	<b>Yonezawa, Ayumi:</b> Poster PC - Health & Wellness
<b>Wang, Xinyu:</b> Illinois Mathematics Lab Spring Poster Session	<b>Yoon, Elliot:</b> Poster PF - Cells & Molecules
<b>Wang, Yichen:</b> Poster PV - Social Science & Human Behavior	<b>Yoon, Nathan:</b> Poster PF - Cells & Molecules
<b>Wang, Ziqi:</b> Poster PA - Humanities, Arts & Social Sciences	<b>Yu, Eric:</b> Oral Panel - Unveiling the Extreme Universe: From Neutron Stars to Black Holes
<b>Wang, Ziwei:</b> Poster PM - Data & Information	<b>Yu, JiaBao:</b> Poster PN - Food, Plants & Animals
<b>Wang, Zoe:</b> Poster PW - Science & Technology	<b>Yu, Ruiqing:</b> Poster PU - Education, Learning & Human Development
<b>Ward, Alexandria:</b> Parkland Honors Program	<b>Yuan, Jiepeng:</b> Poster PM - Data & Information
<b>Warner, Bethany:</b> Poster PE - Nature, Life & Environment	<b>Yue, Andrew:</b> Poster PQ - Science & Technology
<b>Wasfie, Dhuha:</b> Oral Panel - Shaping Judgement: How Perceptions Influence Evaluation	<b>Zagorski, Max:</b> Poster PK - Health & Wellness
<b>Watson, Amanda:</b> Poster PW - Science & Technology	<b>Zant, Chloe:</b> Poster PJ - Cells & Molecules
<b>Watts, Charlie:</b> Poster PK - Health & Wellness	<b>Zeng, Annie:</b> ISUR Research Expo
<b>Wayda, Stephanie:</b> On Exhibit - Robots & Medical Technology	<b>Zeng, Michelle:</b> Poster PW - Science & Technology
<b>Wefel, Aidan:</b> On Exhibit - Digital Storytelling & Learning	<b>Zhang, Deyu:</b> Poster PD - Social Science & Behavior
<b>Wei, Elaine:</b> Celebrating Our Student Scholars	<b>Zhang, Zora:</b> ISUR Research Expo
<b>Weinschenker, Valerie:</b> Poster PU - Education, Learning & Human Development	<b>Zhang, Zory:</b> Oral Panel - New Approaches in Mathematics
<b>Wellington, Warren:</b> Poster PR - Design Thinking & Innovation	<b>Zhao, Delu:</b> Poster PH - Education, Learning & Human Development
<b>Wenger, Lily:</b> Poster PP - Cells & Molecules; Celebrating Our Student Scholars	<b>Zhao, Ruxu:</b> Poster PH - Education, Learning & Human Development
<b>White, Ethan:</b> ISUR Research Expo	<b>Zhao, Xiangteng:</b> Oral Panel - Challenging Our Senses
<b>White, George:</b> Illinois Mathematics Lab Spring Poster Session	<b>Zhen, Steven:</b> Poster PG - Social Issues & Policy
<b>Wiggins, Dheeran:</b> Illinois Mathematics Lab Spring Poster Session; Oral Panel - Disease Biology & Dynamics	<b>Zhou, Ethan:</b> Oral Panel - Technology in Healthcare
<b>Wilcoski, David:</b> Poster PR - Design Thinking & Innovation	<b>Zhou, Ruxuan:</b> Poster PH - Education, Learning & Human Development
<b>Wilson, Sarah:</b> ISUR Research Expo	<b>Zhou, Yiheng:</b> Illinois Mathematics Lab Spring Poster Session
<b>Wingren, Holly:</b> Certificate Awardees	<b>Zhu, Michelle:</b> Poster PC - Health & Wellness
<b>Woehrle, Thomas:</b> Oral Panel - Machine Learning in Action	<b>Zhu, Yifan:</b> On Exhibit - Digital Storytelling & Learning
<b>Wong, Ainslee:</b> Certificate Awardees; Poster PC - Health & Wellness	<b>Ziegler, Chanel:</b> Communication Undergraduate Research Event; Poster PG - Social Issues & Policy
<b>Worthley, Alexa:</b> Poster PW - Science & Technology	<b>Zlatic, Anna:</b> Poster PC - Health & Wellness; Poster PT - Health & Wellness
<b>Wright, Virginia:</b> Poster PA - Humanities, Arts & Social Sciences	<b>Zlatic, Annamarie:</b> Poster PC - Health & Wellness
<b>Wroblewski, Natalie:</b> Poster PH - Education, Learning & Human Development	<b>Zobus, Katie:</b> ISUR Research Expo
<b>Wu, Dilys:</b> Illinois Mathematics Lab Spring Poster Session	
<b>Wu, Dylan:</b> Poster PL - Social Science & Human Behavior	
<b>Wu, Rosabella:</b> Poster PH - Education, Learning & Human Development	
<b>Wu, Siyuan:</b> Poster PB - Science & Technology	
<b>Wu, Steven:</b> Poster PS - Nature, Life & Environment	
<b>Wuebbels, Ashley:</b> Poster PQ - Science & Technology	
<b>Wulw, Dorota:</b> Poster PH - Education, Learning & Human Development	
<b>Wytmar, Justin:</b> Oral Panel - Contesting Narratives: Gender, Colonialism, and the Power of Representation	
<b>Xia, David:</b> Illinois Mathematics Lab Spring Poster Session; Poster PM - Data & Information	
<b>Xia, Simon:</b> Poster PB - Science & Technology	
<b>Xiang, Jingyi:</b> Celebrating Our Student Scholars	
<b>Xu, Chenning:</b> Illinois Mathematics Lab Spring Poster Session; Oral Panel - New Approaches in Mathematics	
<b>Xu, Christopher:</b> On Exhibit - Robots & Medical Technology; Celebrating Our Student Scholars	
<b>Xu, Martin:</b> Poster PQ - Science & Technology	
<b>Xu, Patrick:</b> ISUR Research Expo	
<b>Xu, Saibo:</b> Illinois Mathematics Lab Spring Poster Session	
<b>Xuan, Hogyi:</b> Parkland Honors Program	
<b>Ya, Sam:</b> Poster PV - Social Science & Human Behavior	
<b>Yahya, Najwa Farhana:</b> Poster PK - Health & Wellness	
<b>Yamato, Kei:</b> Celebrating Our Student Scholars	

# Thanks to Our Sponsors

---

## Platinum

---

**College of Liberal Arts and Sciences**

**Gies College of Business**

**University Library**

## Silver

---

**Beckman Institute**

## Bronze

---

**College of Education**

**National Center for  
Supercomputing Applications**

**Office of the Provost**

**School of Social Work**



**Special Lunch  
Sponsor**



Office of Undergraduate Research

 @UGResearchIllinois

 @ugresearch\_UI

 @ugresearch\_UI

[undergradresearch.illinois.edu](http://undergradresearch.illinois.edu)