



ILLINOIS UNDERGRADUATE RESEARCH WEEK

APRIL 14-20, 2019

2019 PROGRAM OF EVENTS



Welcome to Undergraduate Research Week (URW), a celebration of student innovation and excellence in research across our campus. The signature event is the twelfth annual campus-wide Undergraduate Research Symposium (URS), held on Thursday, April 18. The breadth and scope of student presentations reflect not only the wide range of academic disciplines here at the University of Illinois, but speak to the caliber of our undergraduate students as well. Their projects also demonstrate the ongoing commitment of our faculty, academic staff, and other campus stakeholders in supporting and expanding undergraduate research opportunities on campus and beyond.

The presentations, posters, and performances in this program address some of society's most pressing issues. As is true of the mentors who support them, these students and their projects hold the potential to change the world for the better. The featured lunch time session demonstrates the range of research that occurs at the University of Illinois, from new technologies for water purification to the social consequences of environmental gentrification.

All student presenters are eligible to receive awards in various categories for the best posters, oral presentations, and performances. Judges include university administrators and distinguished faculty members from disciplines represented by our student participants.

A special thanks goes to our hardworking staff, without whom the logistics of planning such a large-scale annual event would be impossible: Christopher Holmes, our Program Manager; David Aristizábal, our graduate research assistant; and Chloe Chan, Corissa Kurth, and Genesis Romo, our undergraduate interns. Many thanks also to our Advisory Board for their ongoing support, as well as our Illinois Undergraduate Research Ambassadors, who are new to OUR but are already making their mark in supporting both their undergraduate colleagues across campus and OUR programming and events.

We invite you to come be inspired!

Dr. Karen Rodriguez'G
Director, Office of Undergraduate Research

UNDERGRADUATE RESEARCH WEEK EVENTS

College of Media

College of Media Undergraduate Research and Creative Endeavor Symposium

Saturday, April 6, 3:00 PM – 4:00 PM

Alice Campbell Alumni Center

College of Media undergraduate students will present both poster and multimedia projects of their research and creative works at this symposium.

Effects of Propaganda Versus Reasoned Appeal on Support for Presidential Policies

Grace Rigney, Junior, Advertising, COM

Hailey Buffone, Senior, Advertising, COM

Stan Brakhage is Dead...

Carson Wang, Sophomore, Statistics & Computer Science and Cinema Studies, LAS

Cognitive Underload and Multitasking

Laura Akouris, Senior, Advertising, COM

Presenting the Homeless Experience in Virtual Reality

Nina Xie, Junior, Advertising, COM

Ben Hirsch, Senior, Advertising, COM

Isabella Gutierrez, Junior, Advertising, COM

Glitch

Wally West, Senior, Media & Cinema Studies, COM

Targeting, Retargeting, and Blurry Lines: An Analysis of Perceptions of Online Behavioral Advertising

Hanwen (Trista) Hu, Senior, Advertising, COM

Melissa McCarthy: Transgressing Expectations of Fat, Funny, and Female

Taylor Vidmar, Junior, Creative Writing

Mind or Machine? Exploring the Role of Anthropomorphism on Illusory Expertise in Consumer Decisions

Jiaxuan (Rina) Deng, Junior, Advertising, COM

Shubo Wang, Junior, Advertising, COM

Investigating the Cognitive Consequences of Internet Search on Memory

Lamia Chatriwala, Junior, Advertising, COM

The Persuasive Effect of Message Evidence Under Different Modalities

Hannah Gong, Junior, Advertising, COM

ILLINOIS Undergraduate Research Week

Sponsors

AXIS Capital

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Office of the Provost, University of Illinois

Stevick Foundation

Special thanks to the Illini Union Event Staff, and to BodyWork Associates, Einstein's Bagels, Auntie Anne's Pretzels, Wendy's, and Espresso Royale for their generous gift card contributions.

Department of Political Science Student Research Symposium & Awards Ceremony

Saturday, April 13, 11:00 AM – 1:00 PM

I-Hotel, 1900 First Street, Champaign, Illinois, Lincoln + Alma Mater Rooms

Political Science students will present their senior theses. Departmental scholarships and awards will also be given out at this event.

Ethnography of the University Initiative (EUI) Biannual Student Conference & Odyssey Project Poster Symposium

Monday, April 15, 4:00 PM – 8:00 PM

Levis Faculty Center, 919 W. Illinois Street, Urbana, Illinois, 2nd Floor

Since 2003, EUI has provided an innovative approach to teaching and learning focused on promoting student research on universities and colleges. In EUI-affiliated courses, students use a variety of ethnographic, archival, and related methods to examine the university in its broader social, political, and historical contexts. At the end of each semester, students have the opportunity to present their research at our biannual conference as well as contribute their work to the EUI collection in the University of Illinois' digital repository, Illinois Digital Environment for Access to Learning and Scholarship (IDEALS). The EUI program is supported by the Illinois Office of Undergraduate Research.

Since 2006, the Odyssey Project has been a linking point between the University of Illinois and the broader Champaign-Urbana community. Eligible community members take four free humanities courses taught by faculty from the campus. Odyssey Project students will host poster sessions highlighting findings from their explorations of both Art History and Philosophy.

Parkland College Oral Presentations

Time and Space: Observing the Effects of Different Parkland Spaces

**Jane Liao
Rosie Solan
Emma Fleming**

Out in College

**Jazmine Rodriguez
Griffin Overbey
Emma Chmielewski**

Food Choices at Parkland: Are They Conducive to One's Health?

**Trey Meyer
Kyle Crary
Owen Nowak**

How Has the International Student Association (ISA) Helped with Socialization?

**Parker Evans
Damla Unal
Taylor Millsap**

Why Parkland?

**Stan Shobe
Amber Haines
Piers Cardenas**

Odyssey Project Poster Presentations

The Significance of Gospel Music in The Autobiography of an Ex-Colored Man

Marion LaDean Armstrong

Health and Human Happiness: Aristotle's Nicomachean Ethics

Marvin Arzadon

Plato, Then and Now: A Reader's Response

Elly Barker

Writing an Autobiography

Al Farrow

Gender Norms and Social Justice: The Case of Ida B. Wells

Michelle Gougis and Tanyanette Sims

Giving Up to Get: Thomas Hobbes' Leviathan

Maritrini Gomez

The Art History of Tattooing

Kyle Helfrich

The Art of Crocheting and Its History

Sylvia Hollins

Reflections on Toni Morrison's Recitatif

Jeannette Ngoloma

Food for Thought

Antwaune Young

College of Fine and Applied Arts (FAA) Events

On Display, April 14 – April 20

Art + Design Building

The School of Art + Design's Undergraduate Research Week Exhibition will feature outstanding creative research by students selected to represent the breadth of research done in our nine programs, encompassing the Studio Arts, Graphic Design, Industrial Design, Photography, Art History, Art Education, and Crafts. In order to maximize visibility this year, work will be displayed in the first floor A+D corridor, and will be displayed in glass cases and on display walls located at the West end of the hallway, just inside the Fourth Street entrance.

On Display, April 15 – April 17
Temple Buell Hall (Lower Atrium)

Outstanding work from undergraduate majors in architecture and landscape architecture will be displayed. This work highlights community-based projects completed by undergraduate students as part of both research and coursework.

Performance as Research: Departments of Theater & Dance, School of Music

Friday, April 19, 2:00 PM – 5:00 PM

Krannert Center for the Performing Arts, Lobby and Stage 5

Performing arts undergraduate students will enliven the expansive lobby of the Krannert Center for the Performing Arts with music, dance and theater. Experience the arts live and up close!

On Display, April 25, 5:00 – 7:00 PM

Temple Buell Hall (Architecture Gallery, Blicharski Atrium, Lower Level)

BAUSP Capstone Poster Session: Students from the Bachelor of Arts in Urban Studies and Planning Program will present their research and internship work as part of their capstone experience requirement. Qualifying projects include internship experiences, volunteer work, client-based consulting projects, summer research, and more.

College of Engineering Illinois Scholars Undergraduate Research (ISUR) Research Poster Expo

Wednesday, April 17, 4:00 PM – 6:00 PM

Illini Union, Illini Rooms B and C

The College of Engineering Illinois Scholars Undergraduate Research (ISUR) program is for students looking for a structured two-semester research experience with a research learning community. The program facilitates opportunities to expand students' academic experience beyond the walls of the traditional classroom. Through the learning-by-apprenticeship model, students become familiar with research methodologies, develop their research skills, are exposed to what graduate school entails, and gain experience needed for graduate school acceptance or research in industry.

A Novel Approach to Encapsulate Homogeneous Catalysts

Muneeb Ansari, Senior, Specialized Chemistry, LAS

Single Cell RNA Sequencing

Anusha Anumakonda, Sophomore, Electrical Engineering, ENG

"Color" Detection of Bone Microcracks in vivo with Hafnium Oxide Nanoparticles and Photon Counting CT

Lily Benig, Senior, Bioengineering, ENG

In-Situ Characterization of High Temperature Oxides up to 3000°C

Julia Elizabeth Brodecki, Junior, Materials Science & Engineering, ENG

Whitney Tso, Senior, Materials Science & Engineering, ENG

27-Hydroxycholesterol Implicated in Breast Cancer Reemergence from Dormancy

Joy Chen, Sophomore, Bioengineering, ENG

Time-Series Bacterial Colony Tracking Using Computer Vision

Adam Dama, Senior, Bioengineering, ENG

Applications of Reinforcement Learning in Planetary Rovers

Parth Dhruve, Sophomore, Aerospace Engineering, ENG

Microfluidic Device for Cell Encapsulation

Michael Ding, Senior, Chemical Engineering, LAS

Investigating the Effectiveness of MDI-QKD with Weak Coherent Pulses

Annika Dugad, Senior, Electrical Engineering, ENG

Development and Characterization of Stimuli-Responsive Polymer Microcapsules

Simon Egner, Senior, Materials Science & Engineering, ENG

Differentiation of Liver Progenitor Cells in Defined 3D Microtissues

Krista Habing, Junior, Bioengineering, ENG

DNA Origami Assisted Plasmonic Nanostructure

Joe Haight, Senior, Engineering Physics, ENG

Developing a Spatially-Defined Biomaterial Model of the Glioblastoma Perivascular Niche

Christine Hunter, Senior, Bioengineering, ENG

Multiscale Multi-modal Imaging of Ischemic Tissue Microenvironment After Cell-based Therapy

Than Huynh, Senior, Bioengineering, ENG

Experimental Model of Mass Transfer Rates of Diffusion-Limited Emulsion Co-Polymerization

Thomas Johnston, Junior, Chemical Engineering, LAS

Developing Bio-Inks to Fabricate 3D Hydrogel Platforms for Glioblastoma

Nicole Jugovich, Junior, Chemical Engineering, LAS

Rapid Fabrication of Multifunctional Vascular Composites Using Transient Polymers

Adam Ladd, Senior, Materials Science & Engineering, ENG

Methods Towards Achieving Atomically-Clean Graphene Transfer

Rachel Lawless, Junior, Materials Science & Engineering, ENG

Enhancing Spatial Control of Optogenetic Stimulation and Imaging with an Optical Fiber Bundle System

Alyssa Licudine, Sophomore, Electrical Engineering, ENG

Mechanics of Dual-Capture Microfluidic Devices

Cynthia Liu, Senior, Bioengineering, ENG

*Optimization of Mechanical and Biointegrative Properties of Bone Replacement Composites***Andrey Nosatov**, Sophomore, Materials Science & Engineering, ENG*On Analytical Modeling of Flaky Tests***Otto Piramuthu**, Sophomore, Computer Science, ENG*How Multiple Motors Move Cellular Cargo***Jake Ribich**, Junior, Engineering Physics, ENG*Cello Timbre Synthesis Using the Source/Filter Model***Anabel Rivera**, Junior, Electrical Engineering, ENG*Utilizing Sonometric Crystals for In Vivo Ultrasonic Communication***Kanad Sarkar**, Sophomore, Electrical Engineering, ENG*Development of a Facile Experimental Technique for the Fabrication of Double Emulsions***Grayson Schaer**, Senior, Aerospace Engineering, ENG*Chiral Analysis of D-Aspartate in the Islets of Langerhans***Jack Schnieders**, Junior, Chemical & Biomolecular Engineering, LAS*Magnetic Field Mapping with Dipole Models***Daniel Steinberg**, Junior, Aerospace Engineering, ENG*A MATLAB Graphical User Interface to 3D Print Anatomical Models***Muzammil Siddiqui**, Senior, Nuclear, Plasma & Radiological Engineering, ENG*Controlling Stochastic Pluripotent Stem Cell Differentiation***Harpal Singh**, Sophomore, Bioengineering, ENG*Determining Macrophage Polarization within Mineralized Collagen-Amnion Scaffolds for Craniomaxillofacial Bone Regeneration***Diana Slater**, Junior, Bioengineering, ENG*The Missing Link Between Acoustic Stealth and Poroelasticity: A Soft Filament Approach***Greg Stroot**, Senior, Mechanical Engineering, ENG*Automated Bacterial Colony Tracking on Solid Media***Matthew Tang**, Senior, Bioengineering, ENG*The Effect of Mixture Proportioning on the Relationship between Slump and Yield Stress of Concrete***Benjamin Tung**, Senior, Civil & Environmental Engineering, ENG*Universal, Green Chemistry Approach to Synthesizing Functional Theranostic Gold Nanoparticles***Rachele Wen**, Senior, Bioengineering, ENG*Nanopatterned Thin Film Heterostructures as Majorana Platform***Xiuting Wu**, Senior, Engineering Physics, ENG*Ultrasound-Induced Hyperthermia of Mouse Cervical Lymph Nodes***David Yan**, Junior, Electrical Engineering, ENG**IPRH-Mellon Environmental Humanities Undergraduate Research Symposium: Deconstructing and Reshaping Untold Narratives****Friday, April 19, 1:00 PM – 3:30 PM**

Levis Faculty Center, 919 W. Illinois Street, Urbana Illinois, IPRH Lecture Hall, Room 422

Are you interested in how the sciences, arts, and humanities intersect to address environmental issues? The IPRH-Mellon Environmental Humanities Undergraduate Research Group is a collective of students exploring how matters of the environment can be understood through a humanistic lens. As we do so, we seek to dive into the untold narratives of physical and social environments. Join us in breaking the boundaries of your academic discipline and engaging with student researchers in other fields! This event is free and open to all undergraduates, graduates, faculty, and community members. This event is supported by a grant from the Andrew W. Mellon Foundation.

Main Presenters and Organizers*Humanism and Urban Agriculture: Truth and Wisdom in City Planning***Clara Pokorny**, Sophomore, Urban & Regional Planning, FAA

IPRH-Mellon Environmental Humanities Undergraduate Intern 2018-2019

*Green Gentrification: Deconstructing the 'Rails to Trails' Narrative in Chicago***Juan M Luna Nunez**, Senior, Urban & Regional Planning, FAA

IPRH-Mellon Environmental Humanities Undergraduate Intern 2018-2019

*Navigating Human Responses to the Chernobyl Nuclear Disaster***April Wendling**, Senior, Earth Society & Environmental Sustainability and Geography, LAS

IPRH-Mellon Environmental Humanities Undergraduate Intern 2018-2019

Main Presenters will also be joined by other student presenters.

Department of Economics Economics Research Symposium**Thursday, April 25, 5:00 PM – 7:00 PM**

David Kinley Hall, Room 119

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 conducted research. Some of the research is in proposal form, or will be ongoing, while others are completed projects.

ILLINOIS Undergraduate Research Week Symposium

April 18
Illini Union

IMAGE OF RESEARCH COMPETITION

On Display 9:00 AM—4:30 PM
Illini Room B

The Image of Research is a multidisciplinary competition celebrating the diversity and breadth of undergraduate student research at the University of Illinois at 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.

Awards:

First prize: \$300
Second prize: \$200
Two honorable mentions

The judges for 2019:

Karen Rodriguez'G, PhD, Director, Office of Undergraduate Research
Merinda Kaye Hensley, Associate Professor and Digital Scholarship Liaison and Instruction Librarian, University Library
Piper Martin, Assistant Professor, Research Information Services, University Library
Ruthann Miller, Visiting Assistant Professor, Rare Book and Manuscript Library, University Library
Lisa Hinchliffe, Professor/Coordinator for Information Literacy Services & Instruction, University Library; Affiliate Faculty, School of Information Sciences

To view past entries, please visit:
<http://imageofresearch.omeka.net/>

The Image of Research is organized by the Scholarly Commons of the University Library and the Office of Undergraduate Research and is supported by a generous gift to the Scholarly Commons from the Division of Intercollegiate Athletics.

Department of History Undergraduate Research Symposium

Saturday, April 27, 2:00 PM – 3:30 PM

Levis Faculty Center, 919 W. Illinois Street, Urbana, Illinois,
Room 314

The Symposium will include presentations by students of their senior theses, as well as other undergraduate History research projects.

Living-Learning Communities Researchers Initiative Poster Symposium

Sunday, April 28, 4:00 PM – 6:00 PM

Florida Avenue Residence Halls, Oglesby Pagoda

The Researchers Initiative, in its 11th year, has gone from four participants in its inaugural year, to 89 this academic year. The program provides access to research opportunities for a diverse student body residing in University Housing. First- and second-year students are matched with faculty members to work on faculty, postdoc, and graduate student projects. Posters reflect students' work across a variety of disciplines.

ORAL AND PERFORMANCE SESSIONS

Economics, Culture, and Policy

9:15 AM – 10:15 AM, Room 209

An Update on NAFTA Trade Arbitration: Why Trade Matters and How it Impacts U.S. Agriculture

Daniel Hom, Senior, Agricultural & Consumer Economics, ACES

Development of a Contextual Project Predictive Tool for the Organization ENACTUS

Ryan Lake, Freshman, Civil Engineering, ENG

Effects of the US-China Tariff War on US Automobile Industry

Himanshi Sharma, Freshman, Mathematics & Computer Science, LAS

Innovation in Healthcare

9:15 AM – 10:15 AM, Room 215

Adverse Birth Outcomes among Specific Multiracial Combinations

Alexandra Kontos, Junior, Social Work, SSW

Characterizing a Doxycycline-Inducible Hepatocyte-Specific Mouse Model of Myotonic Dystrophy Type 1

Andrew Gupta, Junior, Biochemistry, LAS

*Differential Gene Expression in Two Metastatic Breast Cancer Tumor Types***Amanda Hunt**, Junior, Molecular & Cellular Biology, LAS**'Material' Transformations**

9:15 AM – 10:15 AM, Room 314A

*An Investigation of Augusti Cistophori (Cistophorus coins of Emperor Augustus) Coinage: The Economic value, Circulation and its Transition in Design***Zhuohun Wang**, Junior, History, LAS*Blue Forgiving or A Guide to Forgetting***Lindsey Jennings**, Junior, Dance, FAA*Stan Brakhage is Dead...***Carson Wang**, Sophomore, Statistics & Computer Science, LAS**Health and Marginalized Populations**

9:15 AM – 10:15 AM, Room 404

*Cancer Beliefs among Latino Adults***Brenda Munguia**, Senior, Community Health, AHS*Depression among Males who are Incarcerated***Amber Shields**, Senior, Human Development & Family Studies, ACES*Moral Typecasting and Deservingness: Opinions on Mental Healthcare Access for Individuals with a Criminal Record***Kira Cruickshank**, Senior, Psychology, LAS**Cultures of Education**

9:15 AM – 10:15 AM, Room 406

*Evaluating Quantitative Scoring Methods for Students Extended Responses to Science Questions After Nature-based and Indoor Lessons***Ola Hajeissa**, Junior, Natural Resources & Environmental Sciences, ACES*Multiculturalism and Education between the United States and China***Sin Teng Ma**, Junior, Early Childhood Education, University of Macau**Hoi Ieng Leong**, Junior, Accounting, University of Macau**Un Teng Leong**, Junior, Civil & Environmental Engineering, University of Macau*The Effects of Education Reform on the landscape of Public Education in Chicago***Marisol Jimenez**, Senior, Learning & Education Studies, EDU**Cosmic Questions**

9:15 AM – 10:15 AM, Room 407

*Close Encounters of the Supernova Kind: Rates and Threat Assessment of Near Earth Cosmic Explosions***Ashvini Krishnan**, Senior, Astronomy, LAS**Danylo Sovgut**, Sophomore, Astronomy, LAS**Alexandra Trauth**, Sophomore, Astronomy, LAS*Explosions in the Sky: Searching for the Next Galactic Supernova***Chauncey Murphey**, Junior, Astronomy, LAS**Jacob Hogan**, Junior, Astronomy, LAS*The Three Minute Prelude to the 13.8 Billion Year Symphony***Charles Young**, Junior, Computer Science & Astronomy, LAS**Toxic Invaders & Cellular Mechanisms**

10:45 AM – 11:45 AM, Room 209

*The Great Escape: Determination of Host Cellular Machinery Required for the Escape of Bacillus anthracis from Immune Cells***Aleyna Brunner**, Senior, Integrative Biology, LAS*The Genotoxin's Stratagem: Sub-nuclear Localization and DNA Damage by Cytolethal Distending Toxin in the Host Cell***Nirvani Jairam**, Junior, Biochemistry, LAS*The Providence: Elucidating a Nuclear Host Factor Necessary for CDT-Mediated DNA Damage***Bryce Hendren-Santiago**, Senior, Molecular & Cellular Biology, LAS**Brain 'Maps,' Model Monomers, and Novel Microstructures**

10:45 AM – 11:45 AM, Room 215

*3D Murine Brain Cartography in a Murine Model of Traumatic Brain Injury: Reconstruction using Spatial Light Interference Microscopy (SLIM)***Bianca Savant**, Freshman, Biology, LAS*Empirical Model of the Mass Transfer in Diffusion-Limited Emulsion Co-Polymerization***Thomas Johnston**, Junior, Chemical Engineering, LAS*Porous Silicon as a Material for Novel Optical Applications***Andrea Perry**, Junior, Materials Science & Engineering, ENG**Questions of Credibility: Falsified Findings & Disinformation**

10:45 AM – 11:45 AM, Room 314A

*Continued Citation of a Fraudulent Clinical Trial Report, Ten Years after it was retracted for Falsifying Data***Di Ye**, Senior, Statistics, LAS

*Influence of Disinformation on Stereotype Endorsements and Media Credibility***Hannah Overbye**, Senior, Communication, LAS*The Importance of Talking about Social Problems***Shayne Snyder**, Senior, Psychology, LAS**Samantha Scheck**, Senior, Human Development & Family Studies, ACESNovel Solutions for Environmental Challenges

10:45 AM – 11:45 AM, Room 404

*Challenges of Developing Reclaimed Water Markets in the U.S.***Allisa Hastie**, Junior, Civil Engineering, ENG*Engineering Considerations for the Design of Strong and Easily-Recyclable Plastics***Alayna Johnson**, Junior, Chemistry, LAS*Utilizing Strontium, Chromium, and Selenium Stable Isotope Signatures to Track Coal Ash Contamination***Robert Hill**, Senior, Geology, LASEffective Pedagogical Approaches

10:45 AM – 11:45 AM, Room 406

*A Comparison on Teaching English to Speakers of Other Languages (TESOL) Strategies in How They Differ in Macau and the U.S.***Su Kei Un**, Junior, English Education, University of Macau**Sok Man Lei**, Junior, Psychology, University of Macau*An Exploration of Student Success and Subject Matter in the Writing Center***Katherine Powers**, Junior, Creative Writing, LAS*Directive and Non-Directive Practices: An Evaluation of Tutoring Methods***Cherish Recera**, Sophomore, English, LASBiotechnology

10:45 AM – 11:45 AM, Room 407

*Fine-tuning the Rhythmic Expression and Activity of a Transcription Factor Through Alternative Splicing***Kristina Slaby**, Junior, Molecular & Cellular Biology, LAS*Soluble Zwitterionic Poly(sulfobetaine) Destabilizes Proteins***Elizabeth Murphy**, Junior, Chemistry, LAS*The Effect of Transplanted Exercised vs. Sedentary Microbiome on Gene Expression in Gnotobiotic Mice***Selena Wang**, Junior, Interdisciplinary Health Sciences, AHS**Do Yeon Kim**, Senior, Agricultural & Biological Engineering, ENGYouth Education

1:45 PM – 2:45 PM, Room 209

*Dancing through Life Science: A STEAM Education Case Study on Arts Integration at the Elementary Level***Colleen Brown**, Senior, Dance, FAA*Gauging Environmental Stewardship through the Perspectives of Black Youth***Tiarra Hill**, Senior, Psychology, LAS*Young Children Learn to Predict Nouns from Novel Verbs after Listening to Sentences***Yuman Li**, Senior, Psychology, LASExamining Socio-cultural Stereotypes

1:45 PM – 2:45 PM, Room 215

*Melissa McCarthy: Transgressing Expectations of Fat, Funny, and Female***Taylor Vidmar**, Junior, Creative Writing, LAS*Sexual Satisfaction and Constraints in Later Life: Insights from LGBT Older Adults***Sonia Cabrera**, Senior, Community Health, AHS*Understanding the Intersection of Race and Sexuality through Shame and Pride: A Qualitative Study with Sexual Minority Adolescents***Scarlett Davalos**, Senior, Social Work, SSW**Ariana Flores**, Senior, Social Work, SSWArtistic Expression

1:45 PM – 2:45 PM, Room 314A

*Dhyana Yayin: A Moving Meditation***Danielle Masticola**, Senior, Dance, FAA*Nona: A Radio Drama***Federico Hernandez Nater**, Junior, Music Technology, FAA*Teaching Turntablism - DJing in the Music Classroom***Brendon Culloton**, Sophomore, Music Education, FAACoded Social Structures: Race, Sex, and Power

1:45 PM – 2:45 PM, Room 404

*Conversion and Difference in Othello***Hsinju Chen**, Junior, Electrical & Computer Engineering, ENG*What House Are You In? The Glamorous Hierarchy of Greek Life***Julia Morrison**, Sophomore, New Media, FAA

Genomic Biology

1:45 PM – 2:45 PM, Room 406

A Genetic Approach to Identify the Regulator of the hild 3'UTR in Salmonella

Wangchen Shen, Senior, Molecular & Cellular Biology, LAS

Genome Engineering in Human-induced Pluripotent Stem Cells with Improved Efficiency of CRISPR/Cas9 Mediated Knock-in

Yuanqing Lan, Senior, Biochemistry, LAS

Trafficking of a Bacterial Toxin in Human Cells

Michael Cunningham, Senior, Molecular & Cellular Biology, LAS

Examining the Institution: University of Illinois Initiatives and Innovations

1:45 PM – 2:45 PM, Room 407

Researching and Participating in Innovation at Illinois with the Illinois Distributed Museum

Jensen Rehn, Junior, History, LAS
Donte Winslow, Senior, History, LAS

Technology Adoption and Cyber-security Threats: A Case Study about the Implementation of Two-factor Authentication at the University of Illinois at Urbana-Champaign

Jaeseung Lim, Senior, Advertising, COM
Sinead Kelly, Senior, Advertising, COM
Elizabeth LeDuc, Senior, Advertising, COM

The University of Illinois Impact of Locals in the Champaign-Urbana Area (specifically focusing on MTBD fares and displacement through the building of apartments)

Sabah Hussain, Sophomore, Economics, LAS

Technology and Innovation

3:15 PM – 4:15 PM, Room 209

Lightweight Predictive Modelling for Determining Defect Levels in Semiconductors

Sergi Castells, Junior, Engineering Physics, ENG

Nano-manufacturing of Highly-uniform OD/1D/2D Metamaterials via Large-scale Self-assembly

Ziran Zhou, Senior, Mechanical Engineering, ENG

Untethered Control of Annelid-Inspired Locomotion using Bi-Stable Origami Towers in an Origami Crawling Robot

Sumanju Singh, Senior, Mechanical Engineering, ENG

Local and Global Cultures

3:15 PM – 4:15 PM, Room 215

Clients Perspective on International Engineering Projects

Julissa Nunez, Junior, Integrative Biology, LAS

Mainland China's Image as a Tourist Destination - A Perspective from American College Adults

Zijie Yan, Junior, Hospitality & Gaming Management, University of Macau

East vs. West: An Exploration between Hong Kong and U.S. Learning Approaches

Wendi Ding, Junior, Early Childhood Education, EDU

Human Diet and Health

3:15 PM – 4:15 PM, Room 314A

Evaluation of the Changes in Composition of Pork Chops during Cooking

Katelyn Gaffield, Senior, Animal Sciences, ACES

Potato Ingestion: An Alternative Nutritional Strategy to Support Prolonged Endurance Cycling

Adriana Miltko, Senior, Kinesiology, AHS

Unveiling the Physiological Role of Vitamin A in Macrophage Polarization and Atherosclerosis

Abu-Bakr Malik, Junior, Molecular & Cellular Biology, LAS

Economies: Structures and Scales

3:15 PM – 4:15 PM, Room 404

How do Social Skills Relate to Mental Health and Social-economic Status among High School Students?

Thomas Bates, Senior, Social Work, SSW

The Effect of Self-Monitoring Techniques in Managing the Classroom Behavior of ADHD Students

Savannah Gregory, Freshman, Elementary Education, EDU

Provider Perspectives on Food Insecurity and Perinatal Mood Disorders

Samantha Noehre, Senior, Community Health, AHS

Economies

3:15 PM – 4:15 PM, Room 406

A Comprehensive Overview of the Tanzanian Fertilizer Market

Daniel Hom, Senior, Agricultural & Consumer Economics, ACES

The Investigation of the Environmental and Economic Implications of Contextual Engineering in Rural Areas

Lavanya Upadhyaya, Freshman, Engineering Physics, ENG

Analyzing the Relationship between Investment Conditions, the Small Firm Effect, and the Efficient Market Hypothesis

Ajay Dugar, Junior, Mechanical Engineering, ENG

Animal Ecology and Behavior

3:15 PM – 4:15 PM, Room 407

A Novel Form of Altruism: Amphiprion ocellaris Non-Breeders Step-Father Unrelated Eggs after the Removal of the Breeding Pair

Elizabeth Phillips, Senior, Psychology, LAS

New Songs in the Deep: A Passive Acoustic Analysis of the Temporal and Spatial Distribution of Omura's Whales (Balaenoptera omurai)

Bridget Mueller-Brennan, Senior, Mathematics, LAS

Shape Variation Between Venomous and Non-Venomous Catfishes of the Superfamily Aspredinoidea (Siluriformes)

Jemima Elsherbini, Junior, Integrative Biology, LAS

POSTER SESSIONS

PA SESSION – SCIENCE AND MATHEMATICS

9:00 AM – 10:15 AM, Illini Room A

A Bench Stable Reagent for Highly Stereoselective Allylation

Aidan Kelly, Junior, Biochemistry, LAS

Effects of Ttpa Protein Knockout on Hepatic Vitamin E Mobilization

James McQueen, Senior, Food Science & Human Nutrition, ACES

Analyzing Data Visualization Tools for Effectiveness of Network Analysis

Yi Shian Ho, Freshman, Economics, LAS

Min Cheong Kim, Freshman, Philosophy, LAS

Nitish Natarajan, Freshman, Statistics & Computer Science, LAS

Artifact Suppression for Structure Calculations with Non-Uniformly Sampled NMR Data

Christopher Dennis, Senior, Chemistry, LAS

Biodistribution of Exosomes Using Noninvasive Imaging

Anand Haran, Junior, Molecular & Cellular Biology, LAS

Characterization of Visual Input Patterns from the Superior Colliculus to the Lateral Cortex of the Mouse Inferior Colliculus

Diana Masolak, Senior, Molecular & Cellular Biology, LAS

An Examination of Salivary microRNAs as Biomarkers for Mild Traumatic Brain Injury

Katherine Anderson, Senior, Molecular & Cellular Biology, LAS

Determining the Factors that Influence Metal Acquisition of Cambialistic Superoxide Dismutases

Ying Zhou, Senior, Molecular & Cellular Biology, LAS

Did President Trump Write All of His Tweets or NOT During His Presidential Campaign?

Emma Tseng, Junior, Computer Science & Linguistics, LAS

Differences in Muscle Protein Synthesis of Cluster and Traditional Sets is Not Explained by mTORC1-related Protein Phosphorylation

Alexander Keeble, Junior, Kinesiology, AHS

Dzip Regulates Localization of Germplasm mRNA by Interacting with Velo

Rahul Maini, Junior, Molecular & Cellular Biology, LAS

Effect of Functional Set Size and Contextual Guidance in Efficient Visual Search Task

Jiahao Zhou, Senior, Psychology, LAS

Effects of Breeding Peak Phenology on Avian Malaria Transmission Model

Megan Resurreccion, Junior, Creative Writing, LAS

Endolysin Evaluation for Use against Listeria monocytogenes

Katherine Warzocha, Senior, Molecular & Cellular Biology, LAS

Enhancing Promiscuous Biotinylation via Site-Directed Mutagenesis

Michelle Meas, Senior, Molecular & Cellular Biology, LAS

Exploring How the DNA Damage Response Reduces Cellular snail Levels

Michidmaa Enkhbaatar, Senior, Biology, LAS

*Identification of HiID-Protein Interactions Utilizing a Proximity Dependent Biotin-Protein Ligase, BirA**

Thomas Cyberski, Senior, Molecular & Cellular Biology, LAS

Interannual and Interspecific Variability in Coral Resilience to Thermal Stress in the Turks and Caicos Islands during the 2014-2017 Global Coral Bleaching Event

Abigail Knipp, Senior, Earth, Society & Environmental Sustainability, LAS

Ion Concentrations and Pyrite Weathering Across a Deep Vadose Zone, Eel River Critical Zone Observatory, Northern California

David Raynes, Senior, Geology, LAS

Measures of a Healthier Brain are Associated with Higher Levels of Intelligence

Sahiti Kolli, Senior, Statistics, LAS

Mechanisms of Acquired Resistance to Cisplatin in Testicular Germ Cell Tumors (TCGTs)

Alyssa Steege, Senior, Molecular & Cellular Biology, LAS

Micro-mechanics of Meiotic Chromosomes in Prophase I of Meiosis

Pranathi Karumanchi, Junior, Biology, LAS

Modular Connectivity in the Expression Between GAD-67 and Calcium Binding Proteins parvalbumin and calretinin on GFP Transgenic Mice

Danica Vendiola, Senior, Molecular & Cellular Biology, LAS

Nanopatterned Thin Film Heterostructures as a Majorana Platform

Xiuting Wu, Senior, Engineering Physics, ENG

Near-Surface and High Resolution Satellite Remote Sensing Time Series for Understanding Crop Phenological Responses to Climate Change

Geyang Li, Senior, Geography & Geographic Information Science, LAS

Overlap in Cortico-collicular Cells and Clg1 Expressing Cells in Layer 5 of Auditory Cortex

Kavyakrishna Nair, Senior, Molecular & Cellular Biology, LAS

Pairs of Disjoint Matchings

Ali Guo, Junior, Mathematics, LAS

Kieran Kaempfen, Sophomore, Mathematics & Computer Science, LAS

Zhengda Mo, Freshman, Mathematics, LAS

Joseph Rogge, Junior, Mathematics & Computer Science, LAS

Claire Song, Sophomore, Mathematics and Statistics, LAS

Pd(II)/SOX Catalyzed Allylic C-H Amination for the Synthesis of Naftifine Derivatives

Andria Pace, Junior, Chemistry, LAS

Chelation of Metals onto Biliverdin Nanoparticles for Magnetic Resonance Imaging (MRI)

Ayman Roslend, Freshman, Chemistry, LAS

Propagation of Eimeria Oocysts

Zeyi Moo, Freshman, Agricultural & Biological Engineering, ACES

Polypyrimidine Tract-binding Protein 1 (PTB1) Deficiency Heightens Toxin Induced Cholestasis

Miranda Gurra, Senior, Biochemistry, LAS

Regulation of Cell Cycle Progression in Cancer Cells

Mariam Arif, Junior, Molecular & Cellular Biology, LAS

Sacrificial Cyclic-Poly(Phthalaldehyde) Templates for Low-Temperature Vascularization of Polymer Matrices

Adam Ladd, Senior, Materials Science & Engineering, ENG

Study the Role of hnRNP I in Regulating Toll-like Receptor Signaling in the Intestine

Kristy Chin, Senior, Molecular & Cellular Biology, LAS

Synolog: A Pipeline for the Study of Genome Evolution Using Conserved Synteny

Neelima Valluru, Freshman, Biology, LAS

The Effect of Combined Targeting of ER α and XPO1 on Akt Pathway and Cell proliferation in ER α (+) Breast Cancer

Kevin Duong, Senior, Molecular & Cellular Biology, LAS

The Effect of The Intracellular Domain Being Removed in E-cadherin

Diana Greiner, Junior, Molecular & Cellular Biology, LAS

Distinguishing Cause and Effect Using Statistical Methods: An Empirical Study

David Zhang, Senior, Mathematics & Computer Science, LAS

Eli Yu, Senior, Statistics & Computer Science, LAS

A Novel Approach to Encapsulate Homogeneous Catalysts

Muneeb Ansari, Senior, Chemistry, LAS

Sufyan Baig, Freshman, Chemistry, LAS

PB SESSION – HEALTH AND WELLNESS

9:00 AM – 10:15 AM, Illini Room C

Abriendo Caminos: Empowering At-risk Communities Affected By Natural Disasters by Promoting Health & Wellness in Puerto Rico

Carolina Kuhl, Senior, Human Development & Family Studies, ACES

Antitumorogenic Properties of Omega-3 Endocannabinoid Epoxides

In Sup Hong, Senior, Biochemistry, LAS

Associations between Pre-treatment Body Mass Index and Post-treatment Nutrition Impact Symptoms in Head and Neck Cancer Survivors

Katherine Douglas, Junior, Food Science & Human Nutrition, ACES

Autism Spectrum Disorder Diagnosis in Down syndrome

Jennifer Goodfriend, Junior, Interdisciplinary Health Sciences, AHS

Bile Acids Contribute to the Gender-Biased Incidence of HCC

Lauren Taylor, Senior, Molecular & Cellular Biology, LAS

BRAIN study

Rachel Zarky, Junior, Economics, LAS

Construction of Knee Simulator

Harikrishnan Kumar, Junior, Mechanical Engineering, ENG

Custody Decisions in Divorce Cases With and Without IPV: Do Maternal Characteristics Play a Role?

Chloe Weiss, Senior, Human Development & Family Studies, ACES
Natalie Cheng, Sophomore, Human Development & Family Studies, ACES

DAILY Balance Project

Alanna Wong, Senior, Interdisciplinary Health Sciences, AHS
Leonardo Guzman, Junior, Kinesiology, AHS
Gabriele Urbonaite, Senior, Psychology, LAS

Daily Self-weighing as a Method for an Individualized Diet Improvement Weight Loss Program (iDip) for Overweight and Obese Adults

Mayu Mizuki, Senior, Food Science & Human Nutrition, ACES
Tingxuan Li, Senior, Food Science & Human Nutrition, ACES

Differences in Bile Acid Pool Composition by Body Weight Status Among Adults with Overweight and Obesity

Judith Wen, Junior, Food Science & Human Nutrition, ACES

Effects of Assistive Living on the Health of Older Populations

Kathy Tran, Sophomore, Community Health, AHS

Endocannabinoid Virodhamine Study Reveals Inhibiting Activity on Human Cardiovascular CYP2J2 Epoxxygenase

Diane Wei, Junior, Molecular & Cellular Biology, LAS

Iterative Synthesis of Csp3 Rich Small Molecules by using Bifunctional Carbenoid-Boronate Building Blocks

Sriyankari Chitti, Sophomore, Chemistry, LAS

Long-Read Sequencing Reveals Complex Transcript Population for Human Housekeeping Enzyme

Ben Nordick, Sophomore, Molecular & Cellular Biology, LAS

Mutually Responsive Orientation and its Relation with Child Temperament and Maternal Depressive Symptoms

Shreya Patel, Senior, Human Development & Family Studies, ACES

Quantification of Bacterial Pathogens in Water and Household Surroundings in Rural Nepal: Pre-intervention Scenario

Marika Maggos, Senior, Molecular & Cellular Biology, LAS

Real People with Diabetes 6-Month Patient Interviews

Holly Stallard, Junior, Food Science & Human Nutrition, ACES

Relationships between the Human Gastrointestinal Microbiota and Sleep Quality

Sean Sheth, Senior, Molecular & Cellular Biology, LAS

Simplex Study

Rachel Woods, Junior, Kinesiology, AHS

TDP-43 Gene Correlated to Infertility in Men

Madi Timken, Junior, Interdisciplinary Health, AHS

The Effect of Genotype on the Possible Impact of Dietary Consumption of Monounsaturated Fatty Acids on Blood Lipid Levels

Sarah Zwick, Senior, Molecular & Cellular Biology, LAS

The Effects of Individual and Combined Drug Treatments on Drug-Resistant Breast Cancer Cell Lines

Rithva Ramesh, Freshman, Biology, LAS

The Effects of Vitamin D3, Vitamin B12, and Vitamin K on the Differentiation of Adipose-Derived Stem Cells (ASC) into Osteoblasts

Thomas Bane, Senior, Molecular & Cellular Biology, LAS

Understanding the Challenges and Solutions of Maintaining Diet and Nutrition for Older Adults Aging with Mobility Impairment

Jennifer Lee, Sophomore, Interdisciplinary Health Sciences, AHS

Utility of Artificial Intelligence Technology in the Field of Speech-Language Pathology: A Literature Review

Kathleen Dowling, Junior, Speech & Hearing Science, AHS

Utilizing Machine Learning to Examine the Impact of Dietary Composition on the Human Gastrointestinal Microbiota and Metagenome

Aditya Mansharamani, Freshman, Computer Science, ENG

Cancer Survivors Exercise Preferences and Outcome Expectations

Eunice Kim, Sophomore, Kinesiology, AHS
Madison Catalano, Sophomore, Kinesiology, AHS

The Effect of Background Noise and Dysphonia on Vowel Identifiability: A Classroom Study

Monique Martinez, Senior, Speech & Hearing Science, AHS
Searam Park, Senior, Speech & Hearing Science, AHS

Reliability of Perceptual Assessment of Vocal Fry among Bilingual English-Spanish Speakers

JosseMia Webster, Senior, Speech & Hearing Science, AHS
Charles Nudelman, Senior, Speech & Hearing Science, AHS

An Investigation into the Increase of Cannabis Use Among the Middle-Aged and Older Adult

Katherine Florence, Junior, Interdisciplinary Health Sciences, AHS
Cydney Natzke, Junior, Interdisciplinary Health Sciences, AHS

The Effects of Breathiness on Vowel Intelligibility

Aubrey Stegich, Senior, Speech & Hearing Science, AHS
Malinda Mullet, Junior, Speech & Hearing Science, AHS
Veronica Lane, Junior, Speech & Hearing Science, AHS

PC SESSION – EDUCATION, SOCIAL SCIENCES, AND HUMAN BEHAVIOR

9:00 AM – 10:15 AM, South Lounge

A Feasibility Study Using "Off-the-Shelf" Automatic Speech Recognizer for Measuring Intelligibility Deficit in Dysphonic Speech

Theresa Murphy, Senior, Speech & Hearing Science, AHS
Marissa Happ, Senior, Speech & Hearing Science, AHS

A Spatial Analysis of the Relationship between Message Frames and Ecological Conditions in the Aquatic Invasive Species Literature

Meggie Gaddy, Junior, Natural Resources & Environmental Sciences, ACES

A Systematic Review of Women Involved in the Criminal Justice System: Intersections with Intimate Partner Violence and the Child Welfare System

Leyda Garcia-Greenawalt, Junior, Social Work, SSW
Shameem Razack, Junior, Gender & Womens Studies, LAS
Bradley McLain, Senior, Psychology, LAS

An Exploration of the Association between Attachment and Relationship Quality

Katie Malcharek, Sophomore, Human Development & Family Studies, ACES

The Relations between Breastfeeding Duration, Child Temperament, and Executive Function

Isabel Digan, Senior, Human Development & Family Studies, ACES

An Investigation of the Effects of the EJP

Roman Sentowski, Freshman, Special Education, EDU

Can Video Games Like Minecraft Stimulate Children's Interest in Science? How Do Middle School Science Learners Explore Virtual Worlds Designed To Trigger Their Interests?

Sze Chai Leung, Freshman, Early Childhood Education, EDU

An Exploration of the Relationship between Officer-Involved Shootings and Student Achievement

Alexandra Gilbert, Freshman, Elementary Education, EDU
Courtney Gordon, Freshman, Middle Grades Education, EDU

Challenges Faced Following Termination of Persons with Disabilities from a Segregated Workshop in Mombasa, Kenya

Daniel Leonard, Junior, Anthropology, LAS

Climate Shocks, Vulnerability and Migration: Evidence from Rural Malawi

Cara Braasch, Junior, Econometrics & Quantitative Economics, LAS

Coarticulation Dampening Properties of the Glottal Stop

Tredayne Cabanlit, Senior, Linguistics, LAS

La Carencia de Hogar y las Diferencias en las Capacidades de Lenguaje en los Adultos Hispanohablantes Nativos/Homelessness and Differences in Language Abilities in Native Spanish-Speaking Adults

Brittany Barajas, Senior, Spanish, LAS

Personal and Relational Well-Being in Cycling Relationships

Taylor Vaca, Senior, Psychology, LAS

Principal Disaggregation of Data

Olivia Killian-Tarr, Freshman, Elementary Education, EDU

Return of the bots? A Computational Analysis of Political Twitter Bots in the 2018 U.S. Midterm Elections

Ajay Jain, Junior, Statistics & Computer Science, LAS
Justin Tu, Senior, Political Science, LAS

Separate Spheres: Gender Norms, Disgust Sensitivity, and Political Ideology

Casey Griffin, Junior, Political Science, LAS
Matthew Carlins, Senior, Political Science, LAS

Sexual Exploitation and Abuse in UN Peacekeeping Missions: reconceptualizing immunity and accountability

Nair Banks, Senior, Political Science, LAS

The Search for Love in the Modern Age: A Study of Desirability Based on Social Media Profiles

Maddie Yoo, Sophomore, Human Development & Family Studies, ACES

Your Image of the Child: Where Teaching Begins

Alexandra Kirchens, Freshman, Middle Grades Education, EDU

PD SESSION – SCIENCE AND MATHEMATICS

10:45 AM – 12:00 PM, Illini Room A

2D Image Analysis to Describe Pore Geometry: A Case Study using the Mississippian Cypress Sandstone, Illinois Basin

Erich Ceisel, Senior, Geology, LAS

Activation of Glioblastoma Invasion and Stem-Like Cells by Extracellular Hyaluronan and Hypoxia

Sarah Leary, Junior, Chemistry, LAS

*Allelic Variation of Intermediate Enzymes Involved in the Terpenoid Indole Alkaloid Pathway in *Camptotheca acuminata**

Allison Krunnusz, Senior, Molecular & Cellular Biology, LAS

An Investigation of Visualization Tools for Computer Chips

Sharanya Balaji, Junior, Mathematics & Computer Science, LAS

*Biochemical Studies of *Methanosarcina acetivorans* FtsZ Proteins*

Lucas George, Senior, Molecular & Cellular Biology, LAS

Body Shape Variation among Catfishes of the Superfamily Pimelodoidea (Siluriformes)

Isabella Sadler, Junior, Integrative Biology, LAS

*Characterization of Furanocoumarin-metabolizing P450s in *Depressaria pastinacella**

Rachel Benedeck, Senior, Molecular & Cellular Biology, LAS

*Characterizing Virulence Genes in the Pumpkin Bacterial Pathogen *Xanthomonas cucurbitae**

Tanvi Majumdar, Senior, Natural Resources & Environmental Sciences, ACES

Close Encounters of the Supernova Kind: Rates and Threat Assessment of Near Earth Cosmic Explosions

Ashvini Krishnan, Senior, Astronomy, LAS

Danylo Sovgut, Sophomore, Astronomy, LAS

Alexandra Trauth, Sophomore, Astronomy, LAS

Comparison of Oxygen and Carbon Stable Isotopes in Terrestrial Snail Shells from Modern, Illinois Episode and Wisconsin Episode Glaciation near St. Louis, MO

Catherine Nield, Senior, Geology, LAS

Continuous Regular Function

Ruoyu Meng, Senior, Mathematics, LAS

Zihe Wang, Senior, Statistics & Computer Science, LAS

Ziqin Xiong, Senior, Mathematics, LAS

Creating Interactive Scientific Visualization in Unity Game Engine

Jasmine Shih, Senior, Computer Science, ENG

Data Mining Graduate School Admissions

Peiyun Zou, Senior, Mathematics, LAS

Danjin Jiang, Senior, Mathematics, LAS

DNA Damage Disrupts Intestinal Crypt Homeostasis

Yingxing Li, Junior, Biochemistry, LAS

Effect of Sleep on Relational Memory

Man Sze, Senior, Psychology, LAS

Error-Resilience of Object-Detection Networks

Alex Nobbe, Freshman, Engineering Physics, ENG

Exploration of Proteasome Localization in regard to Primordial Germ Cell Development

Hajera Afreen, Junior, Molecular & Cellular Biology, LAS

Genetic and Biochemical Studies of Archaeal Replication Protein A (RPA)

William Totura, Senior, Molecular & Cellular Biology, LAS

Homological Algebra of Quiver Representations

Jinghui Yang, Sophomore, Mathematics, LAS

Songling Zhou, Senior, Economics, LAS

Zac MacAdam, Junior, Mathematics, LAS

Investigating Dynamics of Genomic Loci-Nuclear Body Association

Wiktoria Kowalczyk, Junior, Molecular & Cellular Biology, LAS

*Investigating the Effect of Cation Substitution on *Listeria Endolysin* Activity*

Lauren Passwater, Sophomore, Bioengineering, ENG

Investigation of Spatio-chemical Organization of the Mouse Eye Using Mass Spectrometry Imaging

Kenyana Tyiska, Junior, Biochemistry, LAS

Investigation of the Roles of ORCA, ORC and RNF126 in DNA Damage Response

Samrudhi Joshi, Junior, Molecular & Cellular Biology, LAS

Lipophilicity Ceiling Governs Small-Molecule Mediated Transmembrane Metal Transport

Peng-Jui Chen, Sophomore, Chemistry, LAS

Multimodal Imaging of the Receptor for Advanced Glycation End-products with Molecularly Targeted Nanoparticles

Stanley Fayn, Junior, Molecular & Cellular Biology, LAS

*Optically Trapped *R. sphaeroides**

Kaitlin Sumler, Senior, Molecular & Cellular Biology, LAS

Propagation of the Ligand-binding Signal through Neurotransmitter-gated Ion Channels: A Study of cys-loop Receptors

Nicole Godellas, Senior, Molecular & Cellular Biology, LAS

*Recombination Frequencies across the *Salmonella* Pathogenicity Island 1 Locus*

Sara Araghi, Senior, Molecular & Cellular Biology, LAS

Role of Proximal H-bonding Triad on Heme-Copper Oxidase Activity

Stephanie Ouchida, Junior, Biochemistry, LAS

**Salmonella* AvrA can Trigger Oncogenic Activity*

Habib Benchehida, Junior, Biochemistry, LAS

Santosh Sudhakar, Junior, Molecular & Cellular Biology, LAS

Pramukh Sreerama, Junior, Psychology, LAS

Idris Kuti, Senior, Mathematics, LAS

Sharp Bounds for the Directed Postman Problem

Annemily Hoganson, University Laboratory High School

Lorraine Bernhard, University Laboratory High School

Katherine Ahlgren, University Laboratory High School

*Strain Distribution of Barbed and Smooth Suture via Digital Image Correlation in a Cadaveric Canine Staphylectomy Model***James Nie**, Senior, Mechanical Engineering, ENG*Symbiosis of Lactococcus lactis and Saccharomyces cerevisiae***Amie Bott**, Senior, Molecular & Cellular Biology, LAS
Pranathi Karumanchi, Junior, Molecular & Cellular Biology, LAS
Ziyu Wang, Junior, Biochemistry, LAS
Alex Ruzicka, Senior, Biochemistry, LAS
Liam Healy, Senior, Biochemistry, LAS*Temporal Cueing Does Not Meaningfully Improve Duration Judgements***Aidan Healy**, Senior, Psychology, LAS*The Effect of Mixture Proportioning on the Relationship between Slump and Yield Stress of Concrete***Benjamin Tung**, Senior, Civil Engineering, ENG*The Effects of Maxillary Dental Arch on Singing Power Ratio and the h1-h0 Ratio***Charles Nudelman**, Senior, Speech & Hearing Science, AHS
JosieMia Webster, Junior, Speech & Hearing Science, AHS*The Iterated Prisoners Dilemma***Stephen Fan**, Junior, Mathematics, LAS
Guangya Wan, Junior, Statistics, LAS
Juntao Zhang, Sophomore, Mathematics, LAS*The Mathematics of Poker-like Games: Discrete and Continuous Extensions of the McAdams Poker Model***Xiangyun Cao**, Senior, Mathematics, LAS
Qiaoge Zhu, Senior, Mathematics, LAS*Unexpectedly Complex Computations in a Mollusk's Peripheral Nervous System***Abigail Boris**, Senior, Molecular & Cellular Biology, LAS
Yichen Liu, Senior, Molecular & Cellular Biology, LAS*Visualizing Harmonic Functions***Yuheng Chang**, Sophomore, Computer Science, ENG
Baihe Duan, Sophomore, Mathematics, LAS**PE SESSION – HEALTH AND WELLNESS****10:45 AM – 12:00 PM, Illini Room C***A Comparative Study on the Acoustic and Perceptual Analysis of Vowels in Normal and Dysphonic Speech***Lauren Kaiser**, Senior, Speech & Hearing Science, AHS
Amanda Nathanson, Senior, Speech & Hearing Science, AHS
Alison Perlman, Senior, Speech & Hearing Science, AHS*A Host Cell's Battle to Regain Energy***Huzaifa Zohair**, Junior, Molecular & Cellular Biology, LAS*A Pilot Investigation of Anterior Tilt Among PWC Users***Sarah Mills**, Junior, Human Development & Family Studies, ACES*Alpha Oscillations Differ Between Younger and Older Adults During Strategic Attention***Andrea Paoella**, Senior, Speech & Hearing Science, AHS*An Examination of Neurobiological Markers for Diagnosis and Treatment of Mild Traumatic Brain Injury***Erin Yang**, Senior, Psychology, LAS*Analysis of Biomechanical Ankle Dynamics in Parkinson's Individuals***Radhe Parikh**, Senior, Molecular & Cellular Biology, LAS*Anticancer Therapies in Uterine Leiomyosarcoma PDX Ex Vivo 3D Culture***Aleeza Leder Macek**, Senior, Integrative Biology, LAS*Cannabis Use by Older Adults in Illinois***Emily Williams**, Sophomore, Community Health, AHS*Chaos in the Home; Its Relationship with Perception of Economic Strain and Restrictive Feeding Practices***Lauren Castaneda**, Junior, Chemistry, LAS
Lauren Pangelinan, Junior, Community Health, AHS
Karen Hernandez Patricio, Junior, Community Health, AHS*Detection of Cell Markers in Neonatal Pig Intestinal Cells after Formula Supplementation with Bovine Milk Bioactive Components***Victoria Daniels**, Senior, Animal Sciences, ACES*Dietary Advanced Glycation End-products Can Affect Prostate Cancer Development and Response to the Therapy***Jadin Elliott**, Sophomore, Chemical Engineering, LAS*Dietary Patterns and Bile Acid Pool Composition among Overweight and Obese Adults With or Without Metabolic Syndrome***Claire Cheng**, Senior, Food Science & Human Nutrition, ACES*Differentiation of Liver Progenitor Cells in Defined 3D Microtissues***Krista Habing**, Junior, Bioengineering, ENG*Examining the Impact of Prenatal Phthalate Exposure on Social Cognition in 7.5-month-old Infants using the Teddy Bear Task to Assess Theory of Mind***Danah Bakir**, Senior, Molecular & Cellular Biology, LAS*Five a Day or Miles Away: Exploring Neighborhood Environment and Fruit and Vegetable Intake among Hispanic Adults***Bianca Rodriguez**, Senior, Latina/Latino Studies, LAS

Getting a Head START: Examining the Impact of the Student Aging Researchers in Training Program

Jaclyn Trauscht, Senior, Molecular & Cellular Biology, LAS

Heart Tissue Specific Mechanisms for Translation Regulation

Emelia Smith, Senior, Molecular & Cellular Biology, LAS

Methods of Nutrition Education: Translations of Literal to Visual Approaches in the Afro-Centered Abriendo Caminos Immigrant Program

Daryle Howard, Senior, Interdisciplinary Health Sciences, AHS

Negotiating Healthy Habits around the Dinner Table: Perspectives from Hispanic Mothers

Santiago Duran, Sophomore, Philosophy, LAS

Daniel Reyes, Senior, Psychology, LAS

Regulation of the Hedgehog Pathway by the Ketogenic Diet with Radiation Exposure

Deepa Sharma, Senior, Food Science & Human Nutrition, ACES

Reverse Roles: Caregivers Taking Care of Themselves With Physical Activity

Madison Catalano, Sophomore, Kinesiology, AHS

Eunice Kim, Sophomore, Kinesiology, AHS

Soil Amoebae as Training Grounds for Bacillus anthracis

Lukas Talaga, Junior, Molecular & Cellular Biology, LAS

The Effects of Early Life Trauma on EAE Mouse Model

Sungjong Oh, Senior, Molecular & Cellular Biology, LAS

The Effects of Individualized Diet Improvement Program (iDip) on Weight Loss and Sustainable Weight Maintenance

Chrison Hu, Junior, Food Science & Human Nutrition, ACES

Yijie Cheng, Senior, Food Science & Human Nutrition, ACES

Heidi Killinger, Senior, Food Science & Human Nutrition, ACES

The Influence of Lutein and Choline through Egg Intake on Cognition

William Fairfield, Senior, Kinesiology, AHS

Ashley Garcia, Junior, Interdisciplinary Health Sciences, AHS

The Role of Maternal Depression in the Prevalence of Obesity for Hispanic Children

Mira Patel, Junior, Molecular & Cellular Biology, LAS

The Role of KCNQ2 Mutations in the Pathogenesis of Early Infantile Epileptic Encephalopathy and Neurodevelopmental Disorders

Jaimin Patel, Senior, Molecular & Cellular Biology, LAS

Therapeutic Utility of Nano-technology in Targeting Ovarian Cancer Cells

Anna Vardanyan, Senior, Molecular & Cellular Biology, LAS

Traumatic Brain Injuries in Relation to Neck Muscle Activation and Latency

Nimota-lai Sulaiman, Junior, Kinesiology, AHS

Using High-resolution Respirometry and Fluorometry as a Technique to Study Aging Mitochondria

Seungaha Lee, Junior, Interdisciplinary Health Sciences, AHS

What Is MISsing?: Insights from MoCA-MIS Scores of Individuals with Amnesic Mild Cognitive Impairment

Jessica Philipp, Junior, Speech & Hearing Science, AHS

Does Dairy Consumption in the First Year of Life Make a Difference in Combating Childhood Obesity?

Shantiera Taylor, Senior, Kinesiology, AHS

Daniel Zolecki, Senior, Anthropology, LAS

PF SESSION – EDUCATION, SOCIAL SCIENCES, AND HUMAN BEHAVIOR

10:45 AM – 12:00 PM, **South Lounge**

A Final Link From a Lost Arctic Expedition: A Letter by Sir John Franklin (1845)

Hanna Jin, Senior, History, LAS

Spenser Bailey, Junior, History, LAS

An EEG Evaluation of the Effects of Cognitive Load on Visual Sensitivity

Alessandra Lanier, Senior, Psychology, LAS

UIUC College Students' Perceptions Towards the Virtual Reality Cave based on the Motivational Design Model (ARCS)

Sihan Liu, Freshman, Learning & Education Studies, EDU

Parent Advocacy for Students with Disabilities

Elise Blidy, Freshman, Special Education, EDU

Olivia Isaacs, Freshman, Elementary Education, EDU

The Convergence of Behavioral Intervention Plans(BIP) with students with Individualized Education Programs (IEP)

Jorge Boyas, Freshman, Elementary Education, EDU

Coparenting and Attachment: From Toddler to Teen Years

Maria Dracopoli, Senior, Psychology, LAS

Exploring How Adolescents Learn Transferable Social-Emotional Skills in Outward Bound

Natalie Szot, Senior, Human Development & Family Studies, ACES

Improving Communication between Spanish-Speaking Parents and Children with Speech Delays

Blanca Alcantar, Freshman, Special Education, EDU

Maternal Vagal Tone and Child Inhibitory Control: Interactive Contributions to Child Attention and Persistence during a Challenging Puzzle Task

Olamide Oyeyemi, Senior, Human Development & Family Studies, ACES

Most Effective Methods for Student Engagement

Ashley Hornig, Freshman, Elementary Education, EDU

Remote Enculturation: A Strengthening of Identity from Afar

Katrina Blum, Junior, Speech & Hearing Science, AHS

Retirement Realized: Academic and Professional Perspectives

Madison Merdian, Senior, Agricultural & Consumer Economics, ACES

Reuniting Families through Genealogical DNA Testing

Leia Jones, Junior, Molecular & Cellular Biology, LAS

The Effect of Maternal Responsivity on Early Language Development in Children with Down syndrome

Tara Kolmodin, Senior, Speech & Hearing Science, AHS

The role of Familism in Autonomic Nervous System Dysfunction, Cognitive vulnerabilities, and Depression

Raul Espana, Senior, Psychology, LAS

Theory of Mind Understanding and Empathy: Implications for Social Adjustment in Adolescence

Amber Winters, Senior, Psychology, LAS

Transdiagnostic Processes in Emotional Aggression: Interplay of Negative Valence and Cognitive Systems

Kinan Sawar, Senior, Molecular & Cellular Biology, LAS

Transitivity Preference and Social Distances

Xiaozhi Taro Yang, Senior, Psychology, LAS

Vocabulary Learning Through a Keyword Mnemonics Method Application

Xue Yan Chen, Senior, Learning & Education Studies, EDU

What Influence do Children have on their Educational Experience in a Reggio Inspired K/1 Classroom?

Rossy Tejeda, Junior, Food Science & Human Nutrition, ACES

Featured Presentations

Lunch: 12:00 PM – 1:15 PM, Illini Room B

Effects of an Environmentally Relevant Phthalate Mixture of Mouse Neonatal Ovaries

Karen Wang, Sophomore, Psychology, LAS

Water Purification Using Waste Tires

Marko Ivancevic, Senior, Chemical Engineering, ENG

Studying the role of an RNA-binding protein in the control of intestinal stem cell regeneration

Wesley Tung, Senior, Molecular & Cellular Biology, LAS

PG SESSION – SCIENCE AND MATHEMATICS

1:30 PM – 2:45 PM, Illini Room A

A Novel Microphysiological Device for Dorsal Root Ganglia Cell Culture

Yujin Lee, Junior, Bioengineering, ENG

Aging- and Deafening-Related Changes in the Mouse Inferior Colliculus

Vanessa Kalinowska, Senior, Molecular & Cellular Biology, LAS

Almost Beatty Partitions and Optimal Scheduling Problems

Xiaomin Li, Junior, Computer Science, ENG

Carbon-fiber Nanoelectrodes for Detection of Dopamine in vitro

Jordynn Palmer, Senior, Molecular & Cellular Biology, LAS

Daniel Kalski, Senior, Chemical Engineering, LAS

Characterization of MinD homologs in Methanosarcina acetivorans

Jacob Farris, Senior, Molecular & Cellular Biology, LAS

Characterization of the Vacuolating cytotoxin A (VacA) of Helicobacter pylori by Identifying Toxin Residues that are Important for Toxin Cellular Activity and Binding Activity

Sean MacAllister, Sophomore, Molecular & Cellular Biology, LAS

Chemotherapeutic Modulation of Cardioprotective PUFA Biosynthesis

Swapnil Shah, Junior, Molecular & Cellular Biology, LAS

Click Consonant Phonotactic Learning: An Investigation of Phonotactic Learning with Click Consonants in English Speakers

Seon Hye Yang, Senior, Psychology, LAS

Biochemical Study of CRMP-1 Effect on EVL-mediated F-actin Elongation

Daniel Kim, Senior, Molecular & Cellular Biology, LAS

Deciphering the Sedimentary Rock Record Using Laboratory Experiments: The Patterns of Ripple and Dune Migration

Jack Brown, Senior, Geology, LAS

Decomposition Theorems for Spectra

Xiaomin Li, Junior, Computer Science, ENG

Chengyi Liu, Junior, Mathematics, LAS

Do Blue Skies Drive Away Pollution?

Peter Krawiec, Junior, Statistics & Computer Science, LAS

Hao Qiu, Senior, Statistics, LAS

Philip Dohm, Sophomore, Mathematics, LAS

Effect of Profilin on Cofilin Mediated Actin Disassembly

Adam Cardone, Junior, Molecular & Cellular Biology, LAS

Electrophysiological Data Can Be Used to Validate Anxiety Related Changes in Postural Control

Shruti Shah, Senior, Molecular & Cellular Biology, LAS

Enantioselective Synthesis of Isocarbostyryl Alkaloids and Analogs Using Catalytic Dearomative Functionalization of Benzene

Daniel Olson, Senior, Biochemistry, LAS

Anna Welton-Arndt, Junior, Chemical Engineering, LAS

IL15 as a Regulator for Oncolytic Immunotherapy

Abigail Brown, Senior, Molecular & Cellular Biology, LAS

Claire Schane, Senior, Chemistry, LAS

Improvements to Post-Processing in the DES-GW Data Pipeline

Nora Sherman, Senior, Physics, LAS

Influence of Anteroposterior Foot Position on Standing Balance

Milena Singletary, Senior, Kinesiology, AHS

Comparing Trafficking Pathways of Cytotoxic Necrotizing Factor Toxins using Fluorescence Microscopy

Cormac Lucas, Senior, Biochemistry, LAS

Modifying Nanoelectrodes for Ionic Scanning Electrochemical Microscopy (SECM) Measurements at Single Graphene Flakes

Heriberto Flores Jr, Senior, Chemistry, LAS

Monte Carlo Simulation of a Multisphere Neutron Spectrometer based on a CLYC Detector

Stuti Surani, Junior, Nuclear, Plasma & Radiological Engineering, ENG

Nocathiacin, a Potent Antibiotic Against many Gram-positive Infectious Bacteria

Habib Benchehida, Junior, Biochemistry, LAS

Nuclear Receptor, Small Heterodimer Partner (SHP) in the Liver Controls Classical Synthesis of Bile Acids and Their Export

Peter Kolyvas, Junior, Molecular & Cellular Biology, LAS

Optogenetic Activation of the Neurotrophin Pathway in Live Cells

Neeka Haack, Senior, Molecular & Cellular Biology, LAS

Phosphomimetic Mutations in Kv7 Channel Disrupt Key Interactions for Expression

Julianne Yang, Senior, Biochemistry, LAS

Physiological Abnormalities due to Surface Layer Mutations in the Hyperthermophilic Archaeon Sulfolobus islandicus

Emmy Hallett, Senior, Molecular & Cellular Biology, LAS

Random Walk Solutions to the Dirichlet Problem

Yiyin Shen, Sophomore, Mathematics, LAS

Yirui Luo, Sophomore, Mathematics, LAS

Cameron Nachreiner, Sophomore, Physics, LAS

Yitao Meng, Sophomore, Computer Science, ENG

Structure Determination of STA121 Fab

Lauren Mazurkiewicz, Junior, Molecular & Cellular Biology, LAS

Studying Gene Essentiality of Methanosarcina acetivorans via Transposon Mutagenesis

John Parilla, Senior, Molecular & Cellular Biology, LAS

Studying the Age-specific Roles of hnRNP I in Intestinal Homeostasis

Wesley Tung, Senior, Molecular & Cellular Biology, LAS

Synchronous Transitions in Simulated Electrically Coupled Neuronal Networks

Annabelle Shaffer, Senior, Food Science & Human Nutrition, ACES

Talbot Effect for Dispersive Partial Differential Equations

Zhuozhen Cai, Sophomore, Mathematics, LAS

Wei-Chen Huang, Junior, Mathematics & Computer Science, LAS

Hui Lyu, Senior, Mathematics, LAS

Spencer Rooke, Junior, Mathematics and Physics, LAS

The Effect of Polymer Backbone on Aqueous Mechanochemistry

Claire Lundberg, Junior, Chemistry, LAS

The Effects of Longer Term Exposure to Phthalates on Uterine Morphology and Function in Mice

Katy East, Junior, Molecular & Cellular Biology, LAS

The Molecular Mechanism of Vacuolating cytotoxin A (VacA) Gene Polymorphism Affecting Pathogenicity of Helicobacter pylori

Seokjoo Choi, Senior, Molecular & Cellular Biology, LAS

Two-Color Imaging of Endogenous Loci by Knock-In of Irregular Repeat Arrays

Christina Su, Junior, Molecular & Cellular Biology, LAS

Visual Working Memory Representations are Shifted toward Features of Distractors in Visual Search Tasks

Zachary Lively, Junior, Psychology, LAS

An Investigation of SNUL-1 lncRNAs Epigenetic Regulation of Ribosomal Biogenesis

Santosh Sudhakar, Junior, Molecular & Cellular Biology, LAS

PH SESSION – HEALTH AND WELLNESS

1:30 PM – 2:45 PM, Illini Room C

A Critical Review of D.A.R.E.'s Keepin' it Real Curriculum to Prevent and Reduce Youth Substance Use

Chantelle Jasper, Senior, Social Work, SSW

27-Hydroxycholesterol Implicated in Breast Cancer Reemergence from Dormancy

Joy Chen, Sophomore, Bioengineering, ENG

A Spatial Analysis of Veterans Access to Veterans Administration Inpatient Care Facilities

John Hamman, Junior, Community Health, AHS

Analyzing Changes in Muscle Activation Patterns during Anxiety Inducing Situations Using EMG and Motion Capture

Josephine Tsang, Senior, Molecular & Cellular Biology, LAS

Crosstalk between Estrogen Signaling and Breast Cancer Metabolism

Alexandra Arca, Junior, Community Health, AHS

Oncopig Urothelial Carcinoma Cell Lines Produce Masses After Subcutaneous Injection into SCID Mice

Alyssa Ruston-Bray, Sophomore, Animal Sciences, ACES

Differential Effect of Natural versus Artificial Vitamin E on Brain Gene Expression of Developing Mice

Pragya Thaman, Senior, Psychology, LAS

Engineered Skeletal Muscle Tissue Contractility

Eric Chen, Sophomore, Integrative Biology, LAS

Gene Expression Changes during RNA-Induced Socialization of Colon Cells

Francis Ogaban, Junior, Molecular & Cellular Biology, LAS

Genomic Survey of Sulfidogenic Bacteria in the Human Microbiome

Luke Lucio, Junior, French, LAS

Hearing Handicap and Cognitive Challenges in Age-Associated Hearing Loss

Grace Rochford, Sophomore, Speech & Hearing Science, AHS

Hepatic Autophagy Gene Expression Is Induced by Post-Weaning High-Fat Diet in Rats Fed with A Low-Protein Diet during Lactation

Avery Zhang, Junior, Food Science & Human Nutrition, ACES

*Hydrogen Sulfide Production by the Human Gut Microbe *Odoribacter splanchnicus**

Paige Polak, Senior, Molecular & Cellular Biology, LAS

IoT Air Quality Monitoring for Health

Elizabeth Ramos, Sophomore, Industrial Engineering, ENG

Soumithri Karra, Freshman, Industrial Engineering, ENG

Literature Review of Tinnitus and Current Treatments

Jenna Vangalis, Junior, Kinesiology, AHS

Adolescent & Female: Neurobehavioral Vulnerability to Problem METH Use in Sprague-Dawley Rats

Julia Wisowaty, Junior, Psychology, LAS

Optimizing New Member Orientation through an Online Program

Jessica Yue, Sophomore, Psychology, LAS

Britten Gordon, Sophomore, Molecular & Cellular Biology, LAS

Personality Matters: The Impact of Personality on Affective Changes Associated with Exercise

Jordan Barry, Senior, Molecular & Cellular Biology, LAS

Racial Differences in Lifestyle and Biological Factors Associated with Health-Related Quality of Life in Midlife Women

Esmeralda Cardoso-Mendoza, Senior, Molecular & Cellular Biology, LAS

Resolving Racial Health Disparities by Using Advanced Statistics on Complex Multidimensional Datasets

Dipro Ray, Sophomore, Computer Science, ENG

Snacks/bocadillos: A Gateway to Excess Weight Gain Among Hispanic-heritage Children

Mayra Moreno, Senior, Chemistry, LAS

Synergy Studies of Traditional Chinese Medicinal Plants

Chenyu Zhao, Freshman, Computer Science & Linguistics, LAS

Chuhan Yu, Sophomore, Psychology, LAS

The Creation of the Public Database for Dysphonic Speech from YouTube Videos

Elizabeth Foster, Senior, Speech & Hearing Science, AHS

Veronica Lane, Junior, Speech & Hearing Science, AHS

Megan Carrigan, Senior, Speech & Hearing Science, AHS

Malinda Mullet, Junior, Speech & Hearing Science, AHS

The Effect of Musical Training on Ecological Cocktail Party Listening

Anneliese Schulz, Senior, Speech & Hearing Science, AHS

The Effects of Different Walking Exercise Duration on Plantar Kin Blood Flow Response in a Healthy Male Subject: A Case Report

Jamiu Odunsi, Senior, Kinesiology, AHS

*The Role of CYP27A1 in Ovarian Cancer Pathophysiology***Varsha Vembar**, Junior, Molecular & Cellular Biology, LAS*TweetChecker: A Tool to Evaluate Controversial Health Events in Real-Time***Trevor Moyer**, Freshman, Statistics & Computer Science, LAS*Reading between the Subunits: A Reimagined Story of Campylobacter jejuni Cytolethal Distending Toxin Assembly***Claire Ang**, Junior, Molecular & Cellular Biology, LAS*Utility of Standard Clinical Acoustic Measures for Describing Vowel Confusion in Dysphonic Speech***Alexandra Nowak**, Senior, Speech & Hearing Science, AHS**Jillian Atkinson**, Senior, Speech & Hearing Science, AHS*What Resources do African Americans who have been Impacted by Gun Violence Identify as Healing***Geraldine Dagher**, Junior, Human Development & Family Studies, ACES**PI SESSION – EDUCATION, SOCIAL SCIENCES, AND HUMAN BEHAVIOR****1:30 PM – 2:45 PM, South Lounge***An Exploratory Study on the Social Cognitions of High School Freshmen Students Social Skills, Peer Popularity and School Self-Efficacy***Benjamin Lorber**, Junior, Social Work, SSW*An Investigation of Vermilion County and Environmental Law***Steven Sabatini**, Senior, Agricultural & Consumer Economics, ACES*Blinded by Irrelevance***Victoria Halewicz**, Senior, Psychology, LAS*The Impact of Study Abroad on Pre-Service Educators***Emma Damhorst**, Freshman, Elementary Education, EDU*Does Time Perception of Emotional Events Vary across Asian and Westerner participants?***Runhan Yang**, Junior, Psychology, LAS*Education in Hong Kong: A Golden Ratio of the East and West cultures?***Wendi Ding**, Junior, Early Childhood Education, EDU**Noema Borja**, Senior, English, LAS*Evaluating Community Systems Development Efforts to Improve Early Childhood Outcomes in Illinois***Topaz Lavi**, Sophomore, Social Work, SSW*From Novice to Nuanced: Examining the Writing Center's Role in Developing Rhetorical Awareness through First-Year Composition***Brendan McGovern**, Sophomore, English, LAS*Gender Relations in Agrarian Communities***Sadia Ahmed**, Freshman, Computer Science, ENG**Andrea Martinez**, Freshman, Earth, Society & Environmental Sustainability, LAS*How Parents Perceive Children's Weight at an Early Age Is Related to Their Feeding Practices***Ziming Dou**, Senior, Food Science & Human Nutrition, ACES**Kennedy Davis**, Senior, Food Science & Human Nutrition, ACES*Integrating Parents in the Social Movement Humanity Needs***Citlalli Roman**, Sophomore, Anthropology, LAS*Mindset and Self-Perception in Elementary Education***Ari Haase**, Sophomore, Elementary Education, EDU*Multiculturalism in China: Polices Supporting Ethnic Minorities***YanZhen Chen**, Junior, Mathematics and Application, University of Macau*Multiculturalism Influence on Mathematics Education***Zihan Yang**, Junior, Mathematics and Application, University Of Macau*Decision Making for a Regenerative Society***Maxwell Chan**, Freshman, Industrial Design, FAA**Yutong Zhao**, Junior, Economics, LAS*Data Analysis and Modeling of Societal Distances***Jinyuan Li**, Junior, Computer Science, ENG*Program to Promote Success for International Students***Jenny (Tsai Chen) Lee**, Senior, Molecular & Cellular Biology, LAS**Alia Radzi**, Senior, Finance, BUS*Prostitutes or People?: Deciphering Sexual Deviance and the Legal Personhood of Sex Workers***Mari Latham**, Senior, Political Science, LAS*Re:Search, The Undergraduate Journal of Literary Criticism at Illinois***Jessica Berbey**, Senior, English, LAS**Salma Aldaas**, Junior, English, LAS*Teacher Talk Moves: Investigating how Teachers Implement Talk Moves in the Classroom to Deepen Student Reasoning***Andrei Popa**, Junior, Middle Grades Education, EDU**Jacqueline Chis**, Junior, English, LAS*Survey Experiment on Political Party Spending and Electoral Rules***Alan Yu**, Senior, Statistics, LAS

The Immediate and Long-Term Impact of Emotion-Cognition Interactions

Chen Shen, Senior, Psychology, LAS

PJ SESSION – SCIENCE AND MATHEMATICS

3:15 PM – 4:30 PM, Illini Room A

3D Geometric Morphometrics in the Late Ordovician Cincinnati Arch

Monika OBrien, Senior, Geology, LAS
Marjean Cone, Sophomore, Geology, LAS

A Comparison of Methods of Detecting Ovulation

Kristina Allen, Senior, Anthropology, LAS

A Psychophysical Investigation of Speed Perception in a Virtual Roadway

Xue Yan Chen, Senior, Psychology, LAS

Alexa, Turn on my Dishwasher when its Cheapest to Run It

Aahan Agrawal, Senior, Mathematics & Computer Science, LAS
Nirmal Prakash, Sophomore, Industrial Engineering, ENG

*Bioinformatic Investigations of Surface Layer Mutants in *Sulfolobus islandicus**

Rebecca Wipfler, Senior, Molecular & Cellular Biology, LAS

Cancer Neoantigens as Targets for T Cell Responses

Abigail Brown, Senior, Molecular & Cellular Biology, LAS

Characterizing the Role of hnRNP I in Regulating Sertoli Cell-dependent Spermatogenesis

Danielle Yee, Junior, Molecular & Cellular Biology, LAS

Comparing the Branch and Bound and Line Ranking Methods for Optimal Transmission Switching in Power Systems

Rachel Tham, Junior, Materials Science & Engineering, ENG

Cross-Race Effect and Direct Forgetting: An Investigation of Intentional Forgetting When Viewing Cross-Race Faces

Huiyu Ding, Senior, Psychology, LAS

Deployment of Variant Calling Workflows on the Cloud Platform

Tajesvi Bhat, Junior, Molecular & Cellular Biology, LAS

Dynamic Chromosomal Association TAR DNA-binding protein 43 (TDP43)

Chin Patel, Senior, Molecular & Cellular Biology, LAS

Effects of Upper-Respiratory Infection on Remyelination in an Animal Model of Multiple Sclerosis

Valerie Sitarz, Senior, Molecular & Cellular Biology, LAS

*Enabling Xylose Consumption in *Yarrowia lipolytica**

Leah Ziolkowski, Junior, Food Science & Human Nutrition, ACES

Enhancing Spatial Control of Optogenetic Stimulation and Imaging with an Optical Fiber Bundle System

Alyssa Licudine, Sophomore, Electrical Engineering, ENG

Evaluating Models of Social Group Competition

Emma Erickson, Sophomore, Electrical Engineering, ENG
Riley Coad, Sophomore, Engineering Physics, ENG
Kevin Chen, Sophomore, Civil Engineering, ENG

Examining Effects of Epilepsy on Immunoreactivity for the Astrocyte Marker GFAP in the Mouse Hypothalamus

Shivang Chaudhary, Senior, Molecular & Cellular Biology, LAS

Functional Localization of Nuclear Speckle Association Across TSA-Seq Peaks

Disha Kuchangi, Junior, Molecular & Cellular Biology, LAS

Further Characterization of HiPIMS and Serpentine Linear Magnetron

Nathan Bartlett, Junior, Engineering Physics, ENG
Alp Aktuna, Junior, Nuclear, Plasma & Radiological Engineering, ENG
Lyle Regenwetter, Junior, Mechanical Engineering, ENG

Genetic Analysis of the 16Gso in vitro Neuronal Phenotype

Hanna Pawlowski, Junior, Molecular & Cellular Biology, LAS

Hierarchical Clustering of Six Regions in Large Magellanic Cloud

Yi Zhuang, Junior, Astronomy, LAS

*Identification of Common Regenerative Principles in different *Drosophila* Imaginal Discs*

Nicholas Griffith, Junior, Molecular & Cellular Biology, LAS

*Isolation and Characterization of Novel *Sulfolobus* Viruses*

Joseph DeMuro, Senior, Molecular & Cellular Biology, LAS

Lake Ice Detection Using Remote Sensing Techniques

Alex Schwarz, Senior, Geology, LAS

Liver Cancer Growth and Migration in Collagen - Poly (ethylene glycol) Hydrogels

John Ito, Junior, Chemical Engineering, LAS

Minotaur Automation: A Step towards Utilizing Software Testing in Hardware Resiliency

Aditi Ghosalkar, Sophomore, Computer Engineering, ENG

Modeling the Prevalence of E-Cigarette Use

Elizabeth Wei, Sophomore, Engineering Physics, ENG
Gabrielle Digan, Sophomore, Undeclared, DGS
Ruiyi Wang, Junior, Statistics, LAS

Natural Selection and the Bystander Effect

Andrew Ingram, Sophomore, Statistics, LAS
Jonathan Morales, Junior, Civil Engineering, ENG
Nupoor Gandhi, Junior, Computer Science, ENG

Origin Recognition Complex Associated Protein (ORCA) Involvement in Chromatin Organization

Oways Shaqildi, Junior, Molecular & Cellular Biology, LAS

Phase Diagrams of the Maple Leaf Spin Lattice

Samuel Dotson, Senior, Engineering Physics, ENG

*Utilizing checkerboard assays to evaluate potential synergistic combinations of antimicrobials targeting *L. monocytogenes**

Francesca Agnes, Freshman, Biology, LAS

Polar Fractions Separation of Thermally Abused Frying Oil and its Effect on Murine Mammary Carcinoma Cells Migration in vitro

Abhishek Pandravada, Sophomore, Molecular & Cellular Biology, LAS

Size Dependent Limit of Detection for Pipet-supported ITIES Electrodes

Stephanie Tapia, Senior, Chemistry, LAS

Solvent Effects on Alkene Epoxidations in Titanium and Niobium Zeolites

Jun Zhi Tan, Junior, Chemical Engineering, LAS

Investigating the Impact of Endolysins against Antimicrobial Resistance

Lauren Chermak, Freshman, Food Science & Human Nutrition, ACES

Regulated Expression of Marek's Disease Virus UL13 Protein Kinase in DF1 Cells

Zeidy Garcia, Junior, Molecular & Cellular Biology, LAS

Exercise Has No Impact on Mitochondrial DNA Copy Number and Mutations in the PolG Mutant Mouse Model of Accelerated Aging

Kendra Zwonitzer, Senior, Molecular & Cellular Biology, LAS

The Use of Analytical Instruments to Measure the Chemistry inside Single Cells

Zoe Tian, Sophomore, Chemical Engineering, LAS

Evaluating Geometric Dependence of Lattice Effective Properties through Wave Propagation

Aditya Shedge, Junior, Mechanical Engineering, ENG

PK SESSION – FOOD, PLANTS AND ANIMALS

3:15 PM – 4:30 PM, Illini Room C

A New Earwig (Dermaptera) from Early Miocene Dominican Amber

Bohao Mai, Senior, Geology, LAS

A Systematic Review of Terminology Uses in the Aquatic Non-native Species Literatures

Seoyeon Jang, Junior, Natural Resources & Environmental Sciences, ACES

Air Exposure Duration and Temperature Interact to Impact Swimming Performance of Winter Captured Fish

John Bieber, Senior, Natural Resources & Environmental Sciences, ACES

*Alternative Splicing of *Arabidopsis thaliana* Transcription Factors in Response to Abiotic Stresses*

You Jin Song, Senior, Molecular & Cellular Biology, LAS

An Investigation into Star Phenotype and EDNRB Gene in Silver Foxes

James Fradin, Senior, Molecular & Cellular Biology, LAS

Comparison of Changes in Mechanical Loading on Foals during Growth

Kellie Halloran, Junior, Mechanical Engineering, ENG

*Do Stream Flow Extremes Predict Abundance of the Invasive Clam *Corbicula fluminea*?*

George Balto, Senior, Natural Resources & Environmental Sciences, ACES

Effect of Crop Rotations on Water Quality Runoff in the Great Plains

Carley Meeks, Senior, Crop Sciences, ACES

Study on Meiotic Progression of Male Mice in Vitro

Qingyi Lan, Junior, Molecular & Cellular Biology, LAS

Elucidating the Binding Mechanism of Brassinolide Receptor

Faisal Aldukhi, Senior, Chemical Engineering, LAS

Estimating Soil N from Cover Crop Biomass: Faster, More Efficient

Kelly Aves, Senior, Crop Sciences, ACES

*Evaluating the Change in Motility of *Xanthomonas* in Chemoattractant and Suppressive Environments*

Amie Bott, Senior, Molecular & Cellular Biology, LAS

Evaluation and Screening of Transgenic Soybeans for Genotype and Protein Content

Aya Bridgeland, Senior, Crop Sciences, ACES

Evaluation of Plant Performance, Bacterial, and Fungal Biomass, Fermentation, and Yield on a BMR Corn Hybrid to be Harvested as Whole Plant Corn Silage

Sarah Kemp, Senior, Animal Sciences, ACES

Exploring the Responses of Nematodes to Attractive Stimuli Based on Their Appetitive States

Shannon Berneche, Junior, Molecular & Cellular Biology, LAS

Feminization of Behavior, Plasma Sex Hormone Profile, Gonadal Histology and Brain Gene Expression from Endocrine Disruption in Sexually Labile Anemonefish

Jose Gonzalez, Junior, Molecular & Cellular Biology, LAS
Achint Kaur, Senior, Molecular & Cellular Biology, LAS
Dominica Lange, Senior, Psychology, LAS
Supriya Bhuvanagiri, Senior, Molecular & Cellular Biology, LAS

Impact of Seafloor Diagenetic Alteration on Sea Surface Temperature Reconstructions from Coral Skeletons

Lauren Todorov, Senior, Molecular & Cellular Biology, LAS

LED farming: Effect of Position of LED Lighting on Plant Growth

YoungJoo Yoon, Senior, Electrical Engineering, ENG
Woo Young Park, Senior, Mechanical Engineering, ENG
MyungGin Lee, Senior, Statistics, LAS
Subin Cho, Senior, Statistics, LAS

Microgreen Disinfection Project

Yirong Wang, Junior, Food Science & Human Nutrition, ACES

Comparing the Escape Behavior and Stress Levels of White-tailed Deer

Keegan Payne, Junior, Natural Resources & Environmental Sciences, ACES

Prairie Pothole Restoration: Building a Wetland Restoration Suitability Index for Iowa

AnnaMae Dziallo, Senior, Natural Resources & Environmental Sciences, ACES

Production of Amyloid Nanofibrils from Pea Protein for Food Fortification Applications

Jonathan Poole, Freshman, Food Science & Human Nutrition, ACES

Ranavirus in Illinois Wetlands

Madalynn Dunphy, Freshman, Molecular & Cellular Biology and Spanish, LAS
Tyler Vappi, Junior, Technical Systems Management, ACES

Novel Preparation Methods and Microscopy Tools for Creating High-Throughput High-Quality Plant Cuticle Images

Rose Aubery, Senior, Integrative Biology, LAS

*Social Spacing and Subgrouping in One Community of White-Faced Capuchins (*Cebus capucinus*)*

Daniel Leonard, Junior, Anthropology, LAS

Studying the Glossy 15 Gene in Sorghum

Camilla Macias, Junior, Crop Sciences, ACES

Systematics and Biology of the Cardiochiles (Hymenoptera: Braconidae) of the Guanacaste Conservation Area, Northwest Costa Rica

Tyler Blackwell, Junior, Integrative Biology, LAS

Taxonomic Description of Tipulidae from Passamari Member of the Renova Formation

Miguel Castillo, Senior, Geology, LAS

Testing Koch's Postulates of a Fire-Associated Fungal Endophyte Occurring in a Moss

Daniel Wells, Senior, Molecular & Cellular Biology, LAS

The Effects of Activated Charcoal Supplementation on Digestibility of Horse Feed

Nur as-Siddiqui, Junior, Animal Sciences, ACES

The Effects of Climate Change on Food Production

Jonathan Kolweier, Freshman, Civil Engineering, ENG
Tanvi Bhole, Sophomore, Civil Engineering, ENG

The Effects of Heat Stress on Milk Yield and Milk Composition in Holstein Cows

Alissa Kruis, Senior, Animal Sciences, ACES

The Effects of Heat Stress on Temperature Parameters and Behavioral Activity in Holstein Cows

Kathryn Wright, Junior, Animal Sciences, ACES

Comparative Synteny Analysis and Genome Evolution in Antarctic Notothenioid Fishes

Shehani Gunawardena, Sophomore, Integrative Biology, LAS

The Importance of Trigger Hairs in Optimizing Energy Transfer in the Mandible Strikes of Trap-jaw Ants (Hymenoptera: Formicidae)

Daniel Garza, Senior, Integrative Biology, LAS

The Length of Paternal Predation Exposure on Offspring Phenotypes in Threespined Stickleback Fish

Christian Zielinski, Senior, Integrative Biology, LAS

The Role of Marek's Disease Virus RLORF4 Protein in Tissue Culture Cell Toxicity

Katherine Fleck, Senior, Biochemistry, LAS

Transcription Factors that Affect Vascular Differentiation in Sorghum bicolor

Caroline Friedmann, Senior, Integrative Biology, LAS

*Variation In Nest Architecture Between *Dorymyrmex bureni* and *Dorymyrmex elegans**

Ya Li, Senior, Integrative Biology, LAS
Fahren Zackery, Sophomore, Integrative Biology, LAS
Anil Chakravorty, Sophomore, Integrative Biology, LAS
Megan Choi, Sophomore, Integrative Biology, LAS

PL SESSION – EDUCATION, SOCIAL SCIENCES, AND HUMAN BEHAVIOR

3:15 PM – 4:30 PM, South Lounge

It Wasn't Emphasized, it was Just You're Mexican, That's it: Identifying the Driving Forces Behind the Initial Lack of Cultural Awareness in First-year Mexican American College Students

Miguel Quiñones, Junior, Human Development & Family Studies, ACE

My Friends Helped Redefine My [Mexican culture]: Peers' Pivotal Role in First-year College Students' Cultural Involvement

Solange Leon Vazconez, Sophomore, Human Development & Family Studies, ACES

Exploring Volunteers' Motivations in Non-Profit Sport for Development Organizations in South Korea

Juan Lee, Sophomore, Agriculture & Consumer Economics, ACES

Evaluating the Quality of Behavioral Intervention Plans

Margo Morady, Freshman, Elementary Education, EDU

Developing Exciting Outreach Material

Yasir Badillo Acosta, Sophomore, Mathematics, LAS

Kelly Jezior, Junior, Mathematics, LAS

Iris Tong, Junior, Mathematics, LAS

Kagen Quiballo, Junior, Mathematics, LAS

Effects of Speech Therapy and Language Acquisition in Infants with Down syndrome

Caitlin Miller, Senior, Speech & Hearing Science, AHS

Emerging African and African American Family Identity

Maya Brown, Freshman, Undeclared, DGS

Ambrea Young, Senior, Human Development & Family Studies, ACES

Emotional Contagion and Empathy among Infants

Jasmin Roman, Senior, Human Development & Family Studies, ACES

Examining Ideological Responses to Caregiving and Traditional Disgust Factors

Matthew Carlins, Senior, Political Science, LAS

Casey Griffin, Junior, Political Science, LAS

For the Troubles of Women: Medicine, Health, and Menstruation in Anglo-Saxon England

Emma Lloyd, Senior, History, LAS

Gender and Generations: Motherhood

Pasqua Ruggiero, Junior, Statistics, LAS

Kevin Zhang, Freshman, Statistics & Computer Science, LAS

Implementation of Paid Parental Leave Policy in Illinois

Jamie Annes, Senior, Human Development & Family Studies, ACES

Maria Chemello, Junior, Human Development & Family Studies, ACES

Investigating the Cognitive Consequences of Internet Search on Memory

Lamia Chatriwala, Junior, Advertising, COM

Peer Adversity as a Predictor of Interpersonal Needs in Adolescence

Cali Joyce, Senior, Psychology, LAS

The Impact of Corruption on Economics in Yemen

Xinran Cui, Sophomore, Economics, LAS

Folashade Olumola, Freshman, Undeclared, DGS

Social Stereotyping in Infants

Olivia Spence, Senior, Psychology, LAS

Presenting the Homeless Experience in Virtual Reality

Ying Xie, Junior, Advertising, COM

Benjamin Hirsch, Senior, Advertising, COM

Isabella Gutierrez, Junior, Advertising, COM

Targeting, Retargeting, and Blurry lines - An Analysis of Perceptions of Online Behavioral Advertising

Hanwen Hu, Junior, Advertising, COM

Heather Shin, Senior, Advertising, COM

The Impact of Study Abroad on Pre-Service Educators

Emma Damhorst, Freshman, Elementary Education, EDU

The Transition to Middle School: Youth Worries and Mothers' and Fathers' Parenting Behaviors

Kelsie Olsen, Junior, Human Development & Family Studies, ACES

Brett Cohen, Senior, Psychology, LAS

Comparing Cost-Effective Binaural Audio Hardware and Software Accuracy

Federico Hernandez Nater, Junior, Music Technology, FAA

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CANCELLED!!

Performance as Research: Departments of Theater & Dance, School of Music
Friday, April 19, 2:00 PM – 5:00 PM
Krannert Center for the Performing Arts, Lobby and Stage 5

FEATURED LUNCHTIME PRESENTATION

Modification – class level:

Effects of an Environmentally Relevant Phthalate Mixture of Mouse Neonatal Ovaries
Karen Wang, Senior, Psychology, LAS

Added:

Green Gentrification: Deconstructing the 'Rails to Trails' Narrative in Chicago
Juan M Luna Nunez, Senior, Urban & Regional Planning, FAA

POSTER SESSIONS:

Poster Session A

Dropped Out:

Distinguishing Cause and Effect Using Statistical Methods: An Empirical Study
David Zhang, Senior, Mathematics & Computer Science, LAS
Eli Yu, Senior, Statistics & Computer Science, LAS

Incorrect Title Attribute:

An Examination of Salivary microRNAs as Biomarkers for Mild Traumatic Brain Injury

Katherine Anderson, Senior, Molecular & Cellular Biology, LAS

Should be:

Characterizing the Role of Chromatin Modifiers in Temporal Patterning of Drosophila Medulla Neuroblasts

Katherine Anderson, Senior, Molecular & Cellular Biology, LAS

Poster Session B

Title Change(s) (to):

Autism Spectrum Disorder Diagnosis in Down Syndrome

Jennifer Goodfriend, Junior, Interdisciplinary Health Sciences, AHS

Utilizing Nanodisc Technology to Elucidate Endocannabinoid Metabolism at Human Cytochrome P450

Diane Wei, Junior, Molecular & Cellular Biology, LAS

Lifestyle Physical Activity: Increasing One's Confidence to Exercise through Video Chats

Rachel Woods, Junior, Kinesiology, AHS

Dropped out:

Construction of Knee Simulator

Harikrishnan Kumar, Junior, Mechanical Engineering, ENG

Poster Session C

Dropped out:

La Carencia de Hogar y las Diferencias en las Capacidades de Lenguaje en los Adultos Hispanohablantes Nativos/Homelessness and Differences in Language Abilities in Native Spanish-Speaking Adults

Brittany Barajas, Senior, Spanish, LAS

Poster Session D

Correction (Superfamily to Superfamily)

Body Shape Variation among Catfishes of the Superfamily Pimelodoidea (Siluriformes)

Isabella Sadler, Junior, Integrative Biology, LAS

Poster Session E

Title Changes (to):

Preventing Falls One Neck at A Time: Neck Muscle Activation Latency and It's Influence on Falls
Nimota-lai Sulaiman, Junior, Kinesiology, AHS

Analysis of Biomechanical Ankle Dynamics in Relation to Parkinson's Individuals
Radhe Parikh, Senior, Molecular & Cellular Biology, LAS

An Examination of Salivary microRNAs as Biomarkers for Mild Traumatic Brain Injury
Erin Yang, Senior, Psychology, LAS

Poster Session F

Title Changes (to):

Role of the Teacher: Documenting Children's Holistic Education using Inquiry-based Instruction in a Reggio Inspired K/1 Classroom
Rossy Tejada, Junior, Food Science & Human Nutrition, ACES

Exploring How Adolescents Learn Social-Emotional Skills in Outward Bound
Natalie Szot, Senior, **Human Development & Family Studies, ACES**

Identifying Ancestral African Relatives Through Genetic Genealogy: a Methodology Case Study
Leia Jones, Junior, Molecular & Cellular Biology, LAS

Poster Session G

Title Change(s) to:

Fabrication and Characterization of Nanoelectrodes used in Scanning Electrochemical Microscopy (SECM)
Heriberto Flores Jr, Senior, Chemistry, LAS

Poster Session H

Correction "Polices" to "Policies"): *Multiculturalism in China: Policies Supporting Ethnic Minorities*
YanZhen Chen, Junior, Mathematics and Application, University of Macau

Poster Session I

Title Change(s) to:

Fostering Student Agency Through Teacher Talk Moves

Andrei Popa, Junior, Middle Grades Education, EDU

Jacqueline Chis, Junior, English, LAS

Presenter change:

Decision Making for a Regenerative Society

Maxwell Chan, Freshman, Industrial Design, FAA

Yutong Zhao, Junior, Economics, LAS

Jinyuan Li, Junior, Computer Science, ENG

Dropped out:

Data Analysis and Modeling of Societal Distances

Jinyuan Li, Junior, Computer Science, ENG

Poster Session J

Title change(s):

Characterization of a GFP Fusion Tag for Monitoring Endolysin Production

Lauren Chermak, Freshman, Food Science & Human Nutrition, ACES

Poster Session K

Dropped out:

Testing Koch's Postulates of a Fire-Associated Fungal Endophyte

Occurring in a Moss

Daniel Wells, Senior, Molecular & Cellular Biology, LAS

ORAL PRESENTATIONS

Health and Marginalized Populations

9:15am – 10:15 AM, Room 404

[title change]: *Cancer Beliefs among Latina Mothers*

Brenda Munguia, Senior, Community Health, AHS

Economies: Structures and Scales

3:15 PM — 4:15 PM, Room 404

[Dropped out] *The Effect of Self-Monitoring Techniques in Managing the Classroom Behavior of ADHD Students*

Savannah Gregory, Freshman, Elementary Education, EDU