Symposium Acknowledgements

Welcome to our annual UROP Spring Research Symposium! We are so happy you can join us as we celebrate undergraduate research at the University of Michigan. This symposium marks my final year as UROP Director and it has been an incredible privilege to work with so many wonderful mentors and students over the years. With your support UROP has been recognized as a national model for the early engagement of students in research. This annual celebration is the culmination of a year of academic, intellectual, personal and professional discovery in partnership with our village of faculty, postdoctoral fellows, lab managers, and graduate students.

Thank you to all our mentors who shared their enthusiasm, passion, time, and expertise with our students. We hope it was a mutually rewarding experience. We know how important these relationships are to our students’ academic and personal success on campus. Students repeatedly share with us your role in helping students gain confidence, independence, problem solving skills, expertise in a field or with a method, a sense of place on campus, and mentorship.

I would like to acknowledge my incredible staff. I have been fortunate over the years to have an amazing, dedicated, hardworking, creative staff committed to our mission and our goal to make UROP an inclusive and welcoming space on campus. They go out of their way each day to help students be successful in all their endeavors as well as their research activities. It takes tremendous teamwork to put on this event and many others throughout the year, to help our students register for classes, get paid on time, develop research skills, run our fellowship programs, send students to present their research at national and international meetings, and so much more: Luciana Aenasoai (Assistant Director), Cyndy Kayden (Administrative Associate), Charmise Knox (Student Services Program Manager), Catalina Ormsby (Associate Director), Jared Schuermen (Student Services Administrative Assistant), Jenna Steiner (Assistant Director). I would also like to recognize James Manriquez, our graduate student intern and Mai Ze Vang, our Program Assistant who have worked with our community college programs.

Sandy Gregerman
Director, Undergraduate Research Opportunity Program

UROP Peer Advisors

A special thank you goes out to our peer advisors who worked all year to ensure our students had successful research experiences. These talented UROP alumni serve as mentors to our students and important links to our research mentors. They are tremendous role models as they help students navigate their academic and research journey. Congratulations and best of luck to our graduating seniors: Bryan Aaron, Adedolapo Adeniji, Nathanael Boorsma, Rachel Bryan, Salil Chowdhurry, Derek Heard, Inara Ismailova, Sonalee Joshi, Rosemary Kelley, Elizabeth Kupser, Lauren Lukens, Malika Malik, Kevin Ma, Gnyapti Majmudar, Isabel McMullen, Nohal Mekkaoui, Patrick Mullen-Coyoy, Dulce Ortiz-Rios, Trisha Ramsdell, Matthew Rutkowski, Veronica Taylor, and Emily Yerington. And thanks to our returning and departing peer--best of luck in the future. Rebecca Abrishami, Michaela Andrini, Pranavi Aradhhyula, Theresa Beckley-Amaya, Kayla Bomeli, Arianna Dixon, Zain El-Amir, Elisabeth Homant, Mariana Jimenez, Connor LaPres, Jeremy Lynn, Jeffrey Mann, Heather Martin, Tosin Olojo, Ben Palleiko, Joshua Ritzema, and Natalie Steers.
Symposium Schedule

Posters 1-40 are located in the Pendleton Room, 2nd floor, Michigan Union
Posters 41-and up are located in the Rogel Ballroom, 2nd floor, Michigan Union
Oral Presentations will be held in Kuenzel Room, 1st floor and 2105A, 2nd floor, Michigan Union
Mentor Awards Ceremony will be held in the Kuenzel room, 1st floor, Michigan Union

Session I: 9:00 am – 10:00 am
Session II: 10:00 am – 11:00 am
Break: 11:00 am – 11:15 am
Mentor Awards Ceremony: 11:15 am – 12:15 pm
Break: 12:15 pm – 12:30 pm
Session III: 12:30 pm – 1:30 pm
Session IV: 1:30 pm – 2:30 pm
Break: 2:30 pm – 3:00 pm
Session V: 3:00 pm – 4:00 pm
Session VI: 4:00 pm – 5:00 pm
Research Mentor Award Ceremony

This year eight individuals were selected to receive the UROP Outstanding Research Mentor Award. This $500 monetary award recognizes UROP research sponsors and supervisors for their outstanding mentorship of UROP students. The award recipients were nominated by their UROP students and selected by a committee composed of UROP students. These individuals have shared their passion for their work, a talent for teaching, patience in training novice researchers, and have most notably taken an interest in their students’ academic, personal and professional futures.

Award Winners 2017

UROP Outstanding Research Mentor Award Winners

Michael Heaney, PhD, Assistant Professor, Organizational Studies and Political Science, College of Literature, Science, and the Arts

Daniel Kruger, PhD, Research Assistant Professor, Institute for Social Research

Vincent Longo, Doctoral Student, Screen, Arts, and Culture, College of Literature Science, and the Arts

Tahra K. Luther, M.S., Laboratory Manager, Medical School, Surgery

Kendell Pawelec, PhD, Postdoctoral Fellow, Mechanical Engineering, College of Engineering

Cindy A. Schipani, JD, Professor of Business, Ross School of Business

Joel Yates, Senior Research Specialist, Internal Medicine, Medical School

Jennifer Yeung, Doctoral Student, Pharmacology, Medical School

Honorable Mention, UROP Outstanding Research Mentor Award

Benjamin Blankenship, Doctoral Student, Psychology, College of Literature, Science and the Arts

Katherine Crocker, Doctoral Student, Ecology and Evolutionary Biology, College of Literature, Science and the Arts

Aaron Wolf, PhD, Assistant Research Scientist, Earth and Environmental Sciences, College of Literature, Science and the Arts
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<thead>
<tr>
<th>Name</th>
<th>Time</th>
<th>Room</th>
<th>Title</th>
<th>Mentor</th>
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<tbody>
<tr>
<td>Tyler Adkins</td>
<td>10:00-11:00 am</td>
<td>Room: Kuenzel</td>
<td><em>Decisions about where to reach are sub-optimal, but good enough</em></td>
<td>Mentor: Taraz Lee, Assistant Professor, Psychology</td>
</tr>
<tr>
<td>Fahmida Ahmed</td>
<td>3:00-4:00 pm</td>
<td>Room: 2105 A</td>
<td><em>Prevalence of Urinary Incontinence in Pediatric Cystic Fibrosis Patients</em></td>
<td>Mentor: Samya Nasr, Professor of Pediatrics, Pediatrics Pulmonary</td>
</tr>
<tr>
<td>Jae-Kyung Ahn</td>
<td>3:00-4:00 pm</td>
<td>Room: 2105 A</td>
<td><em>Health and Life of Koreans</em></td>
<td>Mentor: Sunghee Lee, Associate Research Scientist, Survey Methodology Program</td>
</tr>
<tr>
<td>Evan Brisita</td>
<td>1:30-2:30 pm</td>
<td>Room: 2105 A</td>
<td><em>Enabling Improved for Underwater Robotic Manipulation</em></td>
<td>Mentor: Matthew Johnson-Roberson, Assistant Professor, Engineering</td>
</tr>
<tr>
<td>Calahna Butler</td>
<td>12:30-1:30 pm</td>
<td>Room: 2105 A</td>
<td><em>Cardiopulmonary Bypass-SIRS Related: Are NETs Involved?</em></td>
<td>Mentor: Alvaro Rojas Pena, Assistant Research Scientist, Department of Surgery - Transplantation</td>
</tr>
<tr>
<td>Brannon Cavanaugh</td>
<td>3:00-4:00 pm</td>
<td>Room: 2105 A</td>
<td><em>Tsc1 Deletion vs Bone Development</em></td>
<td>Mentor: Fei Liu, Assistant Professor of Dentistry, Biological and Materials Science</td>
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<tr>
<td>Rachel Fernandes</td>
<td>10:00-11:00 am</td>
<td>Room: 2105 A</td>
<td><em>The Gershwin Initiative</em></td>
<td>Mentor: Jessica Getman, Managing Editor, Gershwin Initiative</td>
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<tr>
<td>Kalei Glozier</td>
<td>9:00-10:00 am</td>
<td>Room: Kuenzel</td>
<td><em>Safe Spaces, Microaggressions and Their Influences on Human Psychology</em></td>
<td>Mentor: Joseph Calabrisotto, Graduate Student, Psychology</td>
</tr>
<tr>
<td>Andrew Goodrum</td>
<td>9:00-10:00 am</td>
<td>Room: 2105 A</td>
<td><em>Evaluation of Argonaute2 (Ago2) as a lung cancer oncogene in an animal model</em></td>
<td>Mentor: Arul Chinnaiyin, S. P. Hicks Endowed Professor of Pathology, Pathology, Urology</td>
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<tr>
<td>Kanav Gupta</td>
<td>1:30-2:30 pm</td>
<td>Room: 2105 A</td>
<td><em>Examining the neural circuitry underlying cue-motivated behaviors</em></td>
<td>Mentor: Shelly Flagel, Assistant Professor, Psychiatry/MBNI</td>
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Donny Hearn
1:30-2:30 pm
Room: 2105 A
Resilience and Aging in Okinawa, Japan
Mentor: Margaret Hicken, Research Assistant Professor, Institute for Social Research

Katherine Jaje
10:00-11:00 am
Room: Kuenzel
Biological effects of cell-specific nanoparticles
Mentor: Sascha Goonewardena, Assistant Professor of Medicine, Internal Medicine - Cardiology / Michigan Nanotechnology Institute

Sachie Kakehi
12:30-1:30 pm
Room: 2105 A
Effect of tip sonication on nanoparticle size and concentration
Mentor: Joerg Lahann, Professor, Chemical Engineering

Jung Kim
4:00-5:00 pm
Room: 2105 A
Gender, Race, Social Class, and Mental Health
Mentor: Shervin Assari, MD, Psychiatry

Elizabeth Kody
4:00-5:00 pm
Room: 2105 A
Characterizing Disease Modifiers of DYT1 Dystonia
Mentor: Chun-Chi Liang, Research Investigator, Neurology

Justin Korfhage
12:30-1:30 pm
Room: Kuenzel
The Role of SIRT5 in Healthy and Neoplastic Tissue
Mentor: Surinder Kumar, Postdoctoral Fellow, Pathology

Chris Lee
10:00-11:00 am
Room: 2105 A
Dust in Extragalactic Reflection Nebulae
Mentor: Edmund Hodges-Kluck, Assistant Research Scientist, Astronomy

Katherine Mast
9:00-10:00 am
Room: 2105 A
12-LOX inhibitor ML355 inhibits platelet adhesion, aggregation, and thrombosis under flow conditions
Mentor: Michael Holinstat, Associate Professor, Pharmacology

Johnny Matthews
12:30-1:30 pm
Room: Kuenzel
A Cult of Open Hearts: Israeli Kibbutzim expressed in the work of L-E-V Dance Company
Mentor: Angela Kane, Professor, Dance

Karly McMorrow
9:00-10:00 am
Room: Kuenzel
Genes for Good - A Facebook App to Help Research into Genetics and Health
Mentor: Goncalo Abecasis, Professor, Biostatistics
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<tr>
<td>Emily Merrick</td>
<td>9:00-10:00 am</td>
<td>Room: Kuenzel</td>
<td>Developing Cystic Fibrosis Educational Material After Assessing Family Preference</td>
<td>Samya Nasr, Professor of Pediatrics, Pediatric Pulmonary</td>
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<tr>
<td>Kaleigh Niles</td>
<td>4:00-5:00 pm</td>
<td>Room: 2105 A</td>
<td>Media Use and Adolescents’ Self-Objectification</td>
<td>Lucretia Ward, Professor, Psychology</td>
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<tr>
<td>Halimat Olaniyan</td>
<td>10:00-11:00 am</td>
<td>Room: Kuenzel</td>
<td>Breaking the Cycle: The Truth About Sickle Cell Disease</td>
<td>Sarah Reeves, Research Investigator, Child Health Evaluation and Research (CHEAR) Center</td>
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<tr>
<td>Catherine Persad</td>
<td>12:30-1:30 pm</td>
<td>Room: 2105 A</td>
<td>Exploring Movement and Self-Regulation in Preschoolers</td>
<td>Leah Robinson, Associate Professor, Kinesiology</td>
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<tr>
<td>Elena Schmitt</td>
<td>10:00-11:00 am</td>
<td>Room: 2105 A</td>
<td>The implications of Gay Marriage in America: A comparative analysis</td>
<td>William Calvo-Quiros, Assistant Professor, American Culture</td>
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<tr>
<td>Steven Sherman</td>
<td>3:00-4:00 pm</td>
<td>Room: 2105 A</td>
<td>The Mechanisms that Contribute to Skin-Aging and its Modern Research</td>
<td>Yong Li, Research Assistant Professor, Dermatology</td>
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<td>Alex Smith</td>
<td>9:00-10:00 am</td>
<td>Room: 2105 A</td>
<td>The Convergence of Endothelin and Androgen Signaling in the Metastasis of Prostate Cancer to Bone</td>
<td>Gregory Clines, Assistant Professor, Department of Medicine, MEND Division</td>
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<tr>
<td>Abbey Stolz</td>
<td>9:00-10:00 am</td>
<td>Room: 2105 A</td>
<td>Multicolor labeling and tracing of mouse neurons</td>
<td>Dawen Cai, Assistant Professor, Cell and Developmental Biology; Biophysics</td>
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<tr>
<td>Carolyn Suh</td>
<td>10:00-11:00 am</td>
<td>Room: 2105 A</td>
<td>Characterization of Bacterial Resistant Starch Degradation</td>
<td>Darrell Cockburn, Postdoctoral Fellow, Microbiology and Immunology</td>
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<tr>
<td>Tiffanie Totten</td>
<td>4:00-5:00 pm</td>
<td>Room: 2105 A</td>
<td>Development of Nanoemulsion Vaccines for Food Allergy</td>
<td>Jessica O’Konek, Research Investigator, Mary H Weiser Food Allergy Center</td>
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<tr>
<td>Kate van Loveren</td>
<td>9:00-10:00 am</td>
<td>Room: Kuenzel</td>
<td>Id1 and Citrullination as Pro-Inflammatory Agonists in Rheumatoid Arthritis</td>
<td>Jeffrey Ruth, Associate Research Scientist, Internal Medicine, Division of Rheumatology</td>
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<td>Presenter</td>
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<td>Kelly Vermandere</td>
<td>12:30-1:30 pm</td>
<td>Kuenzel</td>
<td>Late-life Training in Exercise Resistant vs. Exercise Sensitive Rats: VO2 Max Predicts Successful Aging</td>
<td>Lauren Koch, Associate Professor, Anesthesiology</td>
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<tr>
<td>Deontay Walker</td>
<td>12:30-1:30 pm</td>
<td>2105 A</td>
<td>Racial Differences in Pediatric Postoperative Pain Management</td>
<td>Olubukola Nafiu, MD, Assistant Professor Anesthesiology-Pediatrics, Anesthesiology</td>
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<tr>
<td>Courtney Witcher</td>
<td>1:30-2:30 pm</td>
<td>2105 A</td>
<td>Morphological diversity in tree frog species from a lowland Amazonian forest in Peru</td>
<td>Rudolf Von May, Postdoctoral Research Fellow, Ecology and Evolutionary Biology</td>
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<tr>
<td>Yuyang Yang</td>
<td>12:30-1:30 pm</td>
<td>Kuenzel</td>
<td>Transcriptomic analysis of human tissue</td>
<td>Lam Tsoi, Research Assistant Professor, Dermatology / Computational Medicine and Bioinformatics</td>
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</table>
**Poster Presentations**

**Chad Aaronson**  **Poster 19**  **4:00 - 5:00 pm**  
*Language Development on and off the internet*  
Mentor: Twila Tardif, Professor, Psychology

**Azhar Aboubaker**  **Poster 100**  **10:00 - 11:00 am**  
*Prison Creative Arts Program (PCAP)*  
Mentor: Ashley Lucas, Associate Professor, Theatre & Drama and Residential College

**Caroline Adams**  **Poster 50**  **9:00 - 10:00 am**  
*Examining Trends in SANE Care for College-Age Sexual Assault Survivors Over the Last 13 Years*  
Mentor: Michelle Munro-Kramer, Assistant Professor, School of Nursing

**Folasade Adegbenro**  **Poster 70**  **4:00 - 5:00 pm**  
*Growth factor signaling involving in skull morphogenesis*  
Mentor: Yuji Mishina, Professor, Biological and Material Sciences

**Youssef Afify**  **Poster 140**  **1:30 - 2:30 pm**  
*Microstructures of Al-Alloys studied by TEM*  
Mentor: Kai Sun, Associate Research Scientist, Materials and Science Engineering

**Ellie Ahearn**  **Poster 58**  **12:30 - 1:30 pm**  
*The influence of culture, genes and the brain on social norms and the self.*  
Mentor: Shinobu Kitayama, Professor, Psychology

**Thanvir Ahmed**  **Poster 133**  **9:00 - 10:00 am**  
*Single-Pixel Camera Construction*  
Mentor: Isaac Wingfield, Lecturer, Residential College

**Leann Josh Abad**  **Poster 38**  **4:00 - 5:00 pm**  
*Are Sharks Born Swimming?*  
Mentor: George Siedel III, Williamson Family Prof. of Bus. Ad. and Thurnau Prof. of Bus. Law, Ross School of Business

**Angelina Adam**  **Poster 156**  **10:00 - 11:00 am**  
*The Impact of School Safety on the High School Transition Experience*  
Mentor: Justin Heinze, Research Assistant Professor, Health Behavior and Health Education

**Celeste Adams**  **Poster 158**  **4:00 - 5:00 pm**  
*China in its New Hat: Art Installation, Exhibition and Performance*  
Mentor: Robert Adams, Associate Professor, ARCHITECTURE

**Aaron Adiwidjaja**  **Poster 143**  **12:30 - 1:30 pm**  
*Microcystis viruses: Hunting the Killers of Lake Erie's Harmful Algal Blooms*  
Mentor: Melissa Dude Duhaime, Assistant Professor, Ecology and Evolutionary Biology

**Ashok Aggarwal**  **Poster 145**  **9:00 - 10:00 am**  
*Implementing Machine Learning Based Chemical Shift Predictors in CS-Rosetta-RNA*  
Mentor: Aaron Frank, Assistant Professor, Chemistry and Biophysics

**Zahraa Ahmad**  **Poster 95**  **9:00 - 10:00 am**  
*The lag in modeling functional near-infrared spectroscopy data evoked by language task*  
Mentor: Xiaosu Hu, Research Investigator, Center for Human Growth and Development

**Hyuk Ahn**  **Poster 64**  **12:30 - 1:30 pm**  
*The Role of Public Regard and Discrimination in Predicting Identity Integration and Wellbeing*  
Mentor: Fiona Lee, Professor, Psychology
Fatima Al-Rasool  Poster 63  12:30 - 1:30 pm
*Gender Differences in Experiences of Islamophobia*
Mentor: Fiona Lee, Professor, Psychology

Rommy Alaiwat  Poster 75  1:30 - 2:30 pm
*Clinical Quality Work in Health Care. How team based care impacts a population.*
Mentor: Heather Holmstrom, Physician, MD, Department of Family Medicine

Jessica Alexa  Poster 38  9:00 - 10:00 am
*Effects of Emotional and Cognitive Interference on Working Memory*
Mentor: Patricia Reuter-Lorenz, Professor, Psychology

Sofia Alidina  Poster 110  3:00 - 4:00 pm
*Patient outcomes, Physician Education, and Quality Improvement: Building a Chai*
Mentor: Larry Gruppen, Professor, Medical Education

Lina Alyaqoobi  Poster 44  3:00 - 4:00 pm
*Spirits and Healing in the Egyptian Press (1950-Present)*
Mentor: Ana Maria Vinea, Postdoctoral fellow/Assistant Professor, Michigan Society of Fellows/Near Eastern Studies

Anya Amin  Poster 140  3:00 - 4:00 pm
*Retrospective Study of Congenital Hypothyroidism and Later Development*
Mentor: Barbara Felt, Professor, Pediatrics and Center for Human Growth and Development

Anisha Amurthur  Poster 137  1:30 - 2:30pm
*Local thermal comfort devices in buildings*
Mentor: Lars Junghans, Assistant Professor, Architecture

Morteda Alaamiri  Poster 68  4:00 - 5:00 pm
*Growth factor signaling involving in skull morphogenesis*
Mentor: Yuji Mishina, Professor, Biological and Material Sciences

Alex Alajbegovic  Poster 139  10:00 - 11:00 am
*What Is Behind the Montenegrin Parliamentary System?*
Mentor: Allen Hicken, Associate Professor, Political Science

Hannah Ali  Poster 162  3:00 - 4:00 pm
*Cognitive Processes in Mathematics Learning*
Mentor: Amira Ibrahim, Graduate Student Researcher, Psychology

Oluwatosin Aluko  Poster 131  12:30 - 1:30 pm
*Development of Agouti Related Protein (AgRP) for Treatment of Cancer Cachexia*
Mentor: Roger Cone, Director, Life Sciences Institute; Professor, Molecular and Integrative Physiology

Louise Amat  Poster 103  1:30 - 2:30 pm
*Profiling Gastroparetic Measurements Relative to Bacterial Overgrowth in Relation to Age and Gender*
Mentor: Jason Baker, Technical Director of the GI Physiology Laboratory, Internal Medicine – Gastroenterology

Olabimpe Amokomowo  Poster 14  3:00 - 4:00 pm
*Who Makes International Human Rights Law?*
Mentor: Kevin Cope, Grotius Research Scholar; PhD Pre-Candidate, Political Science, Political Science

Alexa Anderson  Poster 89  1:30 - 2:30 pm
*Relationship between postpartum mood disorders and delivery experience*
Mentor: Joanna Kountanis, Assistant Professor, Anesthesiology
**Natanie Anilovich**  
**Poster 112  12:30 - 1:30 pm**  
**HIV treatment barriers for women in Russia**  
Mentor: Elizabeth King, Assistant Professor, Health Behavior & Health Education

**Wahaj Ansari**  
**Poster 44  4:00 - 5:00 pm**  
**Satisficing behavior in survey research**  
Mentor: Mengyao Hu, PhD candidate, Survey Methodology Program, Institute for Social Research

**Alexandria Antonelli**  
**Poster 45  12:30 - 1:30 pm**  
**Dementia Caregiving and Family Dynamics**  
Mentor: Carey Sherman, Professor, Life Course Development, ISR

**Kamel Aoun**  
**Poster 123  3:00 - 4:00 pm**  
**Cardiac Electrical Disturbances**  
Mentor: Justus Anumonwo, Associate Professor, Internal Medicine/Cardiovascular; MIP

**Sabrina Archer**  
**Poster 90  9:00 - 10:00 am**  
**Speech and communication change in early autism intervention**  
Mentor: Angela Fish, Clinical instructor, Psychiatry, Child and Adolescent Section

**Devon Arnold**  
**Poster 143  10:00 - 11:00 am**  
**Elections Around the World: The Constituency Level Election Archive**  
Mentor: Allen Hicken, Associate Professor, Political Science

**Matthew Askar**  
**Poster 96  1:30 - 2:30 pm**  
**Zebrafish Model of Pediatric Kidney Disease**  
Mentor: Weibin Zhou, Assistant Professor, Pediatrics

**Yasmine Ankouny**  
**Poster 108  4:00 - 5:00 pm**  
**Understanding the protein stability of Epidermal Growth Factor Receptor (EGFR)**  
Mentor: Paramita Ray, Research Investigator, Radiation Oncology

**Rachel Antieau**  
**Poster 43  3:00 - 4:00 pm**  
**Whistling to Sheep Dogs**  
Mentor: Robin Queen, Professor, Linguistics

**Mark Antosz**  
**Poster 114  9:00 - 10:00 am**  
**Mechanical and biochemical principles of self-organization in artificial cells**  
Mentor: Qiong Yang, Assistant Professor, Biophysics

**Conner Applebee**  
**Poster 73  12:30 - 1:30 pm**  
**Children's Food Concepts**  
Mentor: Jasmine DeJesus, Postdoctoral research fellow, Center for Human Growth and Development

**Anna Argento**  
**Poster 70  10:00 - 11:00 am**  
**Self-Organization and Networks in Brain Tumors**  
Mentor: Pedro Lowenstein, Professor, Neurosurgery

**Tal Aronoff**  
**Poster 41  3:00 - 4:00 pm**  
**Examining perceptions of moral change of the self and others**  
Mentor: Walter Sowden, Research Scientist, Psychology

**Menaka Atree**  
**Poster 54  12:30 - 1:30 pm**  
**Music, Peace and Business**  
Mentor: Cindy Schipani, Professor, Business Law
Ankita Avadhani  Poster 119  10:00 - 11:00 am  
*Civic Technology in County Government*  
Mentor: Clifford Lampe, Associate Professor, School of Information

Saina Azimi  Poster 46  10:00 - 11:00 am  
*Supportive Family Context and Youth Alcohol Exposure*  
Mentor: Daniel Keating, Professor, ISR

Fatima Bacharouche  Poster 77  9:00 - 10:00 am  
*The Role of the Delta Opioid Receptor in Morphine Conditioned Place Preference*  
Mentor: Emily Jutkiewicz, Assistant Professor, Pharmacology

Abbi Bader  Poster 5  12:30 - 1:30 pm  
*Bicompartmental nanoparticles for drug delivery applications*  
Mentor: Joerg Lahann, Professor, Chemical Engineering

Samantha Bailey  Poster 61  1:30 - 2:30 pm  
*A Decision Support Tool for Differences/Disorders of Sex Development*  
Mentor: David Sandberg, Professor, Pediatrics

Srikar Baireddy  Poster 57  4:00 - 5:00 pm  
*Enhancing health communication through technology*  
Mentor: Timothy Guetterman, Assistant Professor, Family Medicine

Dylan Baker  Poster 124  9:00 - 10:00 am  
*Improved Efficacy of Isolating Human NK Cells for the Development of CAR-NK Immunotherapy Against AML*  
Mentor: Challice Bonifant, Assistant Professor, Pediatrics and Communicable Diseases

Chloe Bakst  Poster 4  3:00 - 4:00 pm  
*Place Out of Time: A Web-Based K-12 and College Mentorship Project on History*  
Mentor: Jeffrey Stanzler, Lecturer III, Educational Studies

Benjamin Balas  Poster 5  9:00 - 10:00 am  
*UM Bicentennial Jazz Festival*  
Mentor: Dennis Wilson, Associate Professor, Jazz Department

William Ballew  Poster 88  12:30 - 1:30 pm  
*Biomechanical Symmetry Improvement in ACL Reconstruction Patients over 24 Months*  
Mentor: Riann Smith, Associate Professor, School of Kinesiology

Caroline Baloga  Poster 79  10:00 - 11:00 am  
*Local Food Systems Engagement Through Environmental Education Workshops*  
Mentor: Raymond De Young, Associate Professor, Behavior, Education, and Communications

Katherine Banas  Poster 127  9:00 - 10:00 am  
*An intelligent vision system based on artificial neural network*  
Mentor: Zhengya Zhang, Associate Professor, Electrical Engineering and Computer Science

Aditya Banerji  Poster 16  9:00 - 10:00 am  
*A Survey of Asian Businesses' Chapter 15 Tour in US Bankruptcy Courts*  
Mentor: Theresa Kaiser-Jarvis, Assistant Dean for International Affairs, Center for Comparative & International Law

Vicky Bankowski  Poster 45  9:00 - 10:00 am  
*Allergenic Alternaria Fungal Spore Concentration in Urban Detroit*  
Mentor: Daniel Katz, Post doctoral fellow, Environmental Health Sciences
Rishi Barad  Poster 88  9:00 - 10:00 am  
Effect of Transcranial Direct Current Stimulation on Aphasia Recovery  
Mentor: Carol Persad, Associate Professor, Psychiatry-Neuropsychology

Jordan Barker  Poster 20  9:00 - 10:00 am  
Race-Based Motivated Reasoning: Evidence from Police-Involved Shootings  
Mentor: Hakeem Jefferson, Doctoral Candidate, Political Science/Center for Political Studies

Arianna Barnes  Poster 40  3:00 - 4:00 pm  
Relational distance and it’s influence on moral judgment and decision making  
Mentor: Walter Sowden, Research Scientist, Psychology

Julia Barron  Poster 38  3:00 - 4:00 pm  
Title not available  
Mentor: Frederick Morrison, Professor, Psychology

Carissa Bartkowiak  Poster 122  3:00 - 4:00 pm  
Effect of Human Endogenous Retroviruses in Cancer  
Mentor: Rafael Contreras, Research Assistant Professor, Internal Medicine

Taha Bashir  Poster 94  9:00 - 10:00 am  
FoxP1 Expression During Cardiac Hypertrophy in Mice Through Swimming  
Mentor: Tom Kerppola, Professor, Biological Chemistry

Lily Basile  Poster 1  9:00 - 10:00 am  
Postdigital Architecture  
Mentor: Eleanor Abrons, Assistant Professor, Architecture

Mary Basso  Poster 8  1:30 - 2:30 pm  
Migration of British Railway Workers to Colonial India  
Mentor: Amanda Armstrong-Price, SOF post doctoral fellow and assistant professor of History, History

Eric Bastien  Poster 142  12:30 - 1:30 pm  
Microcystis viruses: Hunting the Killers of Lake Erie’s Harmful Algal Blooms  
Mentor: Melissa Dude Duhaime, Assistant Professor, Ecology and Evolutionary Biology

Allison Batka  Poster 61  3:00 - 4:00 pm  
Design of Copper Catalysts for Electrochemical Production of Nitric Oxide  
Mentor: Nicolai Lehnert, Professor, Chemistry

Lauren Battle  Poster 120  12:30 - 1:30 pm  
Novel Sclerostin Antibody for Treatment of Osteogenesis Imperfecta: Xenograph Model Using Healthy and OI Human Bone  
Mentor: Kenneth Kozloff, Assistant Professor, Orthopaedic Surgery

Alexandra Baum  Poster 80  9:00 - 10:00 am  
The effects of delta opioid receptor activation on cocaine self-administration in rats  
Mentor: Emily Jutkiewicz, Assistant Professor, Pharmacology

Laboni Bayen  Poster 138  10:00 - 11:00 am  
Factions on the Left  
Mentor: Michael Heaney, Assistant Professor, Organizational Studies and Political Science

Nikita Bazaj  Poster 59  12:30 - 1:30 pm  
Life Experience Study  
Mentor: Ethan Kross, Professor, Psychology
Dena Bazzi  Poster 37  9:00 - 10:00 am
Substance Use as Predictors of Suicidal Risk in Female College Students: Is there any Evidence for Interaction Effects?
Mentor: Edward Chang, Professor, Psychology

Collin Beavan  Poster 8  3:00 - 4:00 pm
Using Social Media to Understand Violence in the Community
Mentor: Eric Dubow, Research Professor, ISR-Res Ctr Grp Dynamics

Margaret Becker  Poster 106  12:30 - 1:30 pm
The Effect of the Affordable Care Act on Contraception Utilization
Mentor: Vanessa Dalton, Associate Professor; Director, Program on Women's Healthcare Effective, Obstetrics and Gynecology

Pareenaz Behbahani-Nejad  Poster 131  3:00 - 4:00 pm
Hedgehog signaling and SAG treatment protect against inflammation in the gastrointestinal tract
Mentor: Michelle Muza-Moons, Clinical Lecturer, Internal Medicine - Gastroenterology

Ralf Bejko  Poster 64  3:00 - 4:00 pm
Plasma Panel Radiation Detectors
Mentor: Daniel Levin, Research Scientist, Physics

Alec Below  Poster 23  4:00 - 5:00 pm
Compassion
Mentor: Luis Sfeir-Younis, Lecturer, Sociology

Schyler Bennett  Poster 138  9:00 - 10:00 am
Investigation of Clathrin-Mediated and Clathrin-Independent Endocytosis in CXCR4 Regulation
Mentor: Allen Liu, Assistant Professor, Mechanical Engineering

Devin Beach  Poster 23  12:30 - 1:30 pm
Non-Invasive Portable System for Continuous Cardiovascular Monitoring
Mentor: Kayvan Najarian, Associate Professor, Computational Medicine and Bioinformatics

Peter Beck  Poster 83  4:00 - 5:00 pm
Methods of Temporal Reconstruction
Mentor: Fan Liang, Craniofacial Fellow, Plastic Surgery

Logan Beckmann  Poster 114  1:30 - 2:30 pm
The causes for sex differences in aging
Mentor: Michael Garratt, Assistant Professor, Pathology

Thomas Bejin  Poster 151  3:00 - 4:00 pm
Robots, Sensors, and the Great Outdoors
Mentor: Branko Kerkez, Assistant Professor, Civil and Environmental Engineering

Ainsley Belisle  Poster 139  12:30 - 1:30 pm
Human Evolutionary Adaptation in High Altitude Populations
Mentor: Abigail Bigham, Assistant Professor, Anthropology

Andrew Benjamin  Poster 90  4:00 - 5:00 pm
Urine Metabolomics to Differentiate Viral and Bacterial Pneumonia in Malawi Children
Mentor: Kathleen Stringer, Professor of Clinical and Translational Pharmacy, Pharmacy

Michael Berg  Poster 35  3:00 - 4:00 pm
The Strategic Psychology of Terrorism
Mentor: Carly Wayne, PhD Candidate, Political Science
Ryan Bergal  Poster 160  9:00 - 10:00 am
Accelerating science usability to confront global change
Mentor: Maria Lemos, Professor, SNRE

Regan Bernstein  Poster 122  12:30 - 1:30 pm
Predictive Modeling of Metabolic Adaptation to Weight Loss and Weight Regain
Mentor: Kayvan Najarian, Associate Professor, Computational Medicine and Bioinformatics

Deven Bhatt  Poster 68  1:30 - 2:30 pm
Sports Science and Analytics - data acquisition and appraisal
Mentor: Michael Hickey, Staff Athletic Trainer, Student Athlete Health & Welfare/Athletics Department

Joseph Bieglecki  Poster 119  9:00 - 10:00 am
Role of ATDC in Bladder Cancer Cell Proliferation
Mentor: Phillip Palmbos, Research Associate Professor, Internal Medicine/HemeOnc Division

Shreyas Bindal  Poster 2  4:00 - 5:00 pm
Development economics and research on India
Mentor: Alexander Persaud, Doctoral Candidate, Economics

Sophia Blanchard  Poster 132  10:00 - 11:00 am
Counting Blue(ooth) Cars: Assessing Cell Phone Use Among Vehicle Drivers
Mentor: Daniel Kruger, Research Assistant Professor, Institute for Social Research

Bianca Blanshine  Poster 114  10:00 - 11:00 am
Images of an Immigrant Nation: Portrayals of Immigrants in the Mass Media
Mentor: Ted Brader, Professor, Political Science

Hunter Berger  Poster 56  4:00 - 5:00 pm
The roles of melanopsin, rod input and cone input in intrinsically photosensitive retinal ganglion cells
Mentor: Kwoon Wong, Assistant Professor, Ophthalmology & Visual Sciences

Zachary Bernstein  Poster 98  1:30 - 2:30 pm
Understanding the role of ankyrin-G in GABAergic synaptogenesis
Mentor: Andrew Nelson, Graduate Student, Pharmacology

Sarah Bickerton  Poster 37  10:00 - 11:00 am
Assessing the Transcriptome and Metabolome in a Mouse Model of Duchenne Muscular Dystrophy
Mentor: Christopher Mendias, Associate Professor, Orthopaedic Surgery

Kevin Biglin  Poster 1  3:00 - 4:00 pm
Conservation and Development in Ethiopia
Mentor: Kelly Askew, Professor, DAAS/Anthropology

Autumn Black  Poster 30  4:00 - 5:00 pm
Daily Variation in Mood and Identity Salience among Black College Students
Mentor: Hoa Nguyen, Center Administrator, Center for the Study of Black Youth in Context

Jacob Blanksvordan  Poster 20  12:30 - 1:30 pm
Video Game Effects on Engineering Diversity
Mentor: Laura Alford, Lecturer III & Research Investigator, Naval Architecture & Marine Engineering

Gabrielle Blatz  Poster 118  9:00 - 10:00 am
Cross-talk between natural killer cells and dendritic cells in COPD
Mentor: Christine Freeman, Research Assistant Professor, Internal Medicine
Daphne Blumin  Poster 117  4:00 - 5:00 pm
Instrumentation testing for Cosmic Microwave Background detector
Mentor: Jeffrey McMahon, Assistant Professor, Physics

Benjamin Blythe  Poster 13  3:00 - 4:00 pm
Who Makes International Human Rights Law?
Mentor: Kevin Cope, Grotius Research Scholar; PhD Pre-Candidate, Political Science, Political Science

Laine Boitos  Poster 20  3:00 - 4:00 pm
Identifying President’s Vanishing Administrations
Mentor: Christina Kinane, PhD Candidate, Political Science

Anurag Bolneni  Poster 112  9:00 - 10:00 am
Development of Non-Invasive Multiple metabolites Marker Panel for the Early Detection of Prostate Cancer
Mentor: Arul Chinnaiyan, S. P. Hicks Endowed Professor of Pathology, Pathology, Urology

Jenna Bolster  Poster 133  4:00 - 5:00 pm
Nano Antenna Structure for Energy Harvesting and Biomedical Sensing
Mentor: Young Geun Park, Assistant Research Scientist, Mechanical Engineering

Keaton Bonds  Poster 135  4:00 - 5:00 pm
Virtual Reality Environments to Study Neural Circuits
Mentor: Omar Ahmed, Assistant Professor, Psychology

Victoria Bortfeld  Poster 37  12:30 - 1:30 pm
Michigan Review of Prisoner Creative Writing
Mentor: Philip Christman, Instructor I, English

Emily Boswell  Poster 22  9:00 - 10:00 am
Gendered Stereotypes of Lesbians and Gays in STEM: A Comparative Analysis Using Q-Sort Methodology
Mentor: Denise Sekaquaptewa, Professor, Psychology

Zoe Boudart  Poster 104  12:30 - 1:30 pm
Assessing Risk for Preterm Birth: Psychosocial Stress in Pregnancy
Mentor: Kimberly Mckee, Research Fellow, Family Medicine

Nina Bourdeau  Poster 112  3:00 - 4:00 pm
Motor Assessment of Hand Function following Peripheral Nerve Injury
Mentor: Susan Brown, Associate Professor, Movement Science, School of Kinesiology

Sierra Bowden  Poster 116  9:00 - 10:00 am
Nanoconjugates designed for receptor targeting and controlled drug release
Mentor: Seok Ki Choi, Research Associate Professor, Internal Medicine

Mikaela Bradley  Poster 70  9:00 - 10:00 am
Adherence to Otitis Media Guidelines
Mentor: R Blackwood, Associate Professor of Pediatrics, Office of Health Equity and Inclusion

Kelly Brakke  Poster 30  4:00 - 5:00 pm
Daily Variation in Mood and Identity Salience among Black College Students
Mentor: Hoa Nguyen, Center Administrator, Center for the Study of Black Youth in Context

Samantha Bremmer  Poster 100  12:30 - 1:30 pm
Opioid Prescribing after Cancer Surgery: A Qualitative Study Using the Theoretical Domains Framework
Mentor: Lesly Dossett, Assistant Professor of Surgery, Surgery
**Timothy Brewer**  
*Poster 3  9:00 - 10:00 am*
*The Gershwin Initiative*
Mentor: Jessica Getman, Managing Editor, Gershwin Initiative

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**Emily Brines**  
*Poster 66  4:00 - 5:00 pm*
*TPA1 and Mechanisms of DNA Repair*
Mentor: Patrick O'Brien, Associate Professor, Biological Chemistry

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**Kortez Brinson**  
*Poster 94  10:00 - 11:00 am*
*Annual Exhibition of Art by Michigan Prisoners*
Mentor: Ashley Lucas, Associate Professor, Theatre & Drama and Residential College

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**Hailey Briscoe**  
*Poster 61  9:00 - 10:00 am*
*Mexican Exposures: Bio-Ethnography with Six Mexican Families*
Mentor: Elizabeth Roberts, Associate Professor, Anthropology

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**Milagros Brito**  
*Poster 15  1:30 - 2:30 pm*
*Border Violence: Identifying Discourses of Death*
Mentor: Orquidea Morales, PhD Candidate, American Culture Studies

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**Matthew Brosky**  
*Poster 26  4:00 - 5:00 pm*
*English Soccer Club Financial Accounts*
Mentor: Stefan Szymanski, Professor, Sports Management

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**Annika Brown**  
*Poster 123  4:00 - 5:00 pm*
*Phylogenetic relationships among lowland Amazonian tree frog species (genus Hypsiboas) from southern Peru*
Mentor: Rudolf von May, Postdoctoral Research Fellow, Ecology and Evolutionary Biology

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**Catherine Budd**  
*Poster 12  10:00 - 11:00 am*
*Refractory Metal Surface Structuring by Femtosecond Laser Irradiation*
Mentor: Steven Yalisove, Professor, Materials Science and Engineering

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**Cecilia Bullen**  
*Poster 43  3:00 - 4:00 pm*
*Whistling to Sheep Dogs*
Mentor: Robin Queen, Professor, Linguistics

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**Isis Burgdorf**  
*Poster 17  4:00 - 5:00 pm*
*Psychological effects of sexist humor and their impact on diversity efforts*
Mentor: Koji Takahashi, Graduate Student, Psychology

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**Camille Burke**  
*Poster 160  3:00 - 4:00 pm*
*Laboratory Astrophysics - Machining*
Mentor: Paul Keiter, Research Scientist, Climate and Space Sciences and Engineering

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**Megan Burns**  
*Poster 32  9:00 - 10:00 am*
*Behavioral Immune System: Interoceptive Accuracy Under a Disease Threat*
Mentor: Richard Gonzalez, Professor, Institute for Social Research / Psychology

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**Abbigayl Burtis**  
*Poster 123  12:30 - 1:30 pm*
*Heart regeneration with stem cells, bioengineering, and large animal models*
Mentor: Zhong Wang, Associate Professor, Cardiac Surgery

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**Shannon Burton**  
*Poster 91  10:00 - 11:00 am*
*Italian Renaissance Art History - Defacing and Transforming Works of Art*
Mentor: Megan Holmes, Professor, History of Art
Gabriel Canter Poster 89 10:00 - 11:00 am  
A New Generation of Protest: Visually Documenting The Aftermath of the 2016 Elections  
Mentor: Jason De Leon, Assistant Professor, Anthropology

Troy Cao Poster 126 3:00 - 4:00 pm  
Automated extraction of cutaneous diseases comorbidity from biomedical literature  
Mentor: Kalpana Raja, Post Doctoral Fellow, Dermatology

Sofia Carbonara Poster 6 9:00 - 10:00 am  
UM Bicentennial Jazz Festival: Go Blue from the Heart  
Mentor: Dennis Wilson, Associate Professor, Jazz Department

Neal Captain Poster 61 4:00 - 5:00 pm  
Quality in U.S. Nursing Homes Reported by Consumers in Yelp Reviews  
Mentor: Chithra Perumalswami, Clinical Lecturer, Dept of Int Med/Div of Geriatric/Pall medicine; RWJF scholar

Lily Carlson Poster 77 1:30 - 2:30 pm  
Fatigue Free! Using Diet to Decrease Fatigue in Breast Cancer Survivors  
Mentor: Suzie Zick, Research Associate Professor, Family Medicine

Raul Carmona Poster 116 3:00 - 4:00 pm  
Longitudinal Research on Aging Drivers (LongROAD)  
Mentor: Lisa Molnar, Associate Research Scientist, University of Michigan Transportation Research Institute (UMTRI)

Cooper Carpenter Poster 13 10:00 - 11:00 am  
Ultrathin Flexible Solar Cells Based on 2D Layers  
Mentor: Xiaogan Liang, Assistant Professor, Mechanical Engineering

Christine Carethers Poster 119 4:00 - 5:00 pm  
Animal behavior signaling, facial recognition in paper wasps  
Mentor: Elizabeth Tibbetts, Associate Professor, Ecology and Evolution

Sara Carretero Poster 2 1:30 - 2:30 pm  
The National Queer Latino Oral History Project: Mariposa Waves  
Mentor: William Calvo-Quiros, Assistant Professor, American Culture

Fernando Carretero Poster 153 1:30 - 2:30 pm  
Lighting up the dark - exploring dark matter around galaxies  
Mentor: Eric Bell, Professor, Astronomy

Alex Carroll Poster 17 10:00 - 11:00 am  
Microstructural Analysis of Deformed and Recrystallized Two-Phase (Alpha + Beta) Titanium Alloys  
Mentor: Riddhiman Bhattacharya, Research Fellow, Materials Science and Engineering

Christina Cartwright Poster 102 3:00 - 4:00 pm  
Mental and Psychological Effects of Trope of the Strong Black Woman  
Mentor: Shervin Assari, Faculty, Psychiatry

Caelen Caspers Poster 57 10:00 - 11:00 am  
Fate of Periderm Cells in the K17^(CreErt2) Mouse Line  
Mentor: Vesa Kaartinen, Professor, BMS

Eva Caston Poster 9 1:30 - 2:30 pm  
Technology and Language Documentation: Warlpiri songs  
Mentor: Carmel O'Shannessy, Associate Professor, Linguistics
Carol Castro-Adolphus  Poster 45  
4:00 - 5:00 pm  
*Gender Differences in Marijuana Motives and Consequences Among Emerging Adults*  
Mentor: Maureen Walton, Professor, Department of Psychiatry  

Ashley Cawthon  Poster 50  1:30 - 2:30 pm  
*Effects of Diet and Genetic Factor on Gut Dysbiosis in IBS*  
Mentor: Danielle Turgeon, Professor of Internal Medicine, Internal Medicine - Gastroenterology  

Rachel Cevigney  Poster 89  4:00 - 5:00 pm  
*Urine Metabolomics in Pig Model of Hemorrhagic Shock*  
Mentor: Kathleen Stringer, Professor of Clinical and Translational Pharmacy, Pharmacy  

Paul Chamberlain  Poster 101  4:00 - 5:00 pm  
*Development and Improvement of Lanthanide-based Luminescent Metallacrowns*  
Mentor: Vincent Pecoraro, John T. Groves Professor, Chemistry  

Kit Ying Grace Chan  Poster 74  
12:30 - 1:30 pm  
"Children’s implicit food attitudes."  
Mentor: Jasmine DeJesus, Postdoctoral research fellow, Center for Human Growth and Development  

Saisuhita Chandrasekharuni  Poster 67  
4:00 - 5:00 pm  
*A Critical Psychometric Analysis of Brief Measure of Cognitive Functioning*  
Mentor: Robert Spencer, Clinical Psychologist, Ann Arbor VA Healthcare  

Zoie Chang  Poster 12  3:00 - 4:00 pm  
*Who Makes International Human Rights Law?*  
Mentor: Kevin Cope, Grotius Research Scholar; PhD Pre-Candidate, Political Science, Political Science  

Carol Castro-Adolphus  Poster 45  
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Zoie Chang  Poster 12  3:00 - 4:00 pm  
*Who Makes International Human Rights Law?*  
Mentor: Kevin Cope, Grotius Research Scholar; PhD Pre-Candidate, Political Science, Political Science

**Tonimarie Catalan**  Poster 66  1:30 - 2:30 pm  
*Sports Science and Analytics- data acquisition and appraisal*  
Mentor: Michael Hickey, Staff Athletic Trainer, Student Athlete Health & Welfare/Athletics Department  

**Gregory Cervenak**  Poster 27  4:00 - 5:00 pm  
*Labor Markets for Managers*  
Mentor: Yue Zhou, Assistant Professor, Strategy  

**Rachael Chait**  Poster 101  12:30 - 1:30 pm  
*Alterations in the rat gastrointestinal microbiome after two weeks of high fat diet*  
Mentor: Merritt Gilliland III, Research Investigator, Internal Medicine  

**Sydney Chambers**  Poster 86  9:00 - 10:00 am  
*The Effects of MCI Subtypes on the Outcome Following DBS in Parkinson’s Patients*  
Mentor: Carol Persad, Associate Professor, Psychiatry-Neuropsychology  

**Ruchica Chandnani**  Poster 1  4:00 - 5:00 pm  
*Assessing In-group vs. Out-group Aggression via Fabricated Tangram Competition*  
Mentor: Ian Hawkins, Graduate Student, Communication studies  

**Emilia Chang**  Poster 109  3:00 - 4:00 pm  
*Mast Cell Characterization in Allergy Challenged Mice*  
Mentor: Jessica O'Konek, Research Investigator, Mary H Weiser Food Allergy Center  

**Alexandra Chapdelaine**  Poster 15  9:00 - 10:00 am  
*Understanding Ritz: the SCt’s Bankruptcy Philosophy on Hindering Debt Collection*  
Mentor: Theresa Kaiser-Jarvis, Assistant Dean for International Affairs, Center for Comparative & International Law
Sarnath Chari  Poster 147  10:00 - 11:00 am
*Regulating Emotions with Placebos*
Mentor: Darwin Guevarra, Doctoral Candidate, Psychology

Andra Chen  Poster 134  4:00 - 5:00 pm
*Solar optics active nanostructure*
Mentor: Young Geun Park, Assistant Research Scientist, Mechanical Engineering

Carol Chen  Poster 29  9:00 - 10:00 am
*Political Campaigning Content and Advertising*
Mentor: Stuart Soroka, Professor, Communication Studies

Kathleen Chen  Poster 61  10:00 - 11:00 am
*Enzyme Mixed-Lineage Leukemia 1 (MLL1/KMT2A) Epigenetic Function Underlying the Immune Response in Sepsis*
Mentor: William Carson, Research Assistant Professor, Pathology

Victor Chen  Poster 72  10:00 - 11:00 am
*Nras signaling in hematopoietic and leukemic stem cells*
Mentor: Qing Li, Assistant Professor, Medicine Division of Hematology & Oncology

Xiu Wen Chen  Poster 137  4:00 - 5:00 pm
*Assessment of Quality of Sleep for Patients with Fibromyalgia*
Mentor: Sardar Ansari, Research Fellow, Emergency Medicine

Zui Chen  Poster 44  9:00 - 10:00 am
*Uncover Patterns in Educational Research Data Reuse*
Mentor: Elizabeth Yakel, Professor, School of Information

Sandra Charipper  Poster 35  4:00 - 5:00 pm
*Development of the West Is The Best and East Is The Best Scales*
Mentor: Kaidi Wu, Principal Research Investigator, Psychology

Anthony Chen  Poster 71  1:30 - 2:30 pm
*Assessment of environmental quality in schools*
Mentor: Stuart Batterman, Professor, EHS

Guyi Chen  Poster 110  10:00 - 11:00 am
*Using Machine Learning to Understand Political Violence*
Mentor: Christian Davenport, Professor, Center for Political Studies

Morgan Chen  Poster 59  9:00 - 10:00 am
*Impact of Physical Activity on Attention and Concentration in Students*
Mentor: Weiyun Chen, Associate Professor, Health and Fitness

Vivian Chen  Poster 69  3:00 - 4:00 pm
*Characterization of Neutrophil Extracellular Traps in a Murine Hindlimb Ischemia-Reperfusion Model*
Mentor: Michael Chung, Post-doctoral research fellow, Plastic Surgery

Zhiling Chen  Poster 89  3:00 - 4:00 pm
*Characterization of novel epigenetic mechanisms involved in Acute Leukemia*
Mentor: Andrew Muntean, Assistant Professor, Pathology

Vivienne Chi  Poster 143  4:00 - 5:00 pm
*Technology trajectories across the innovation life-cycle*
Mentor: James Ostler, Assistant Professor, Ross School of Business
Yu-Ting Chiang Poster 134 3:00 - 4:00 pm
Retrospective Database of Patients with Metastatic Bladder Cancer
Mentor: Sarah Yentz, Hematology-Oncology Fellow, Oncology

Steven Cho Poster 115 4:00 - 5:00 pm
Nanoparticle Surface Modifications: Drug Targeting and RES Clearance
Mentor: Sascha Goonewardena, Assistant Professor of Medicine, Internal Medicine - Cardiology / Michigan Nanotechnology Institute

Mia Choe Poster 92 9:00 - 10:00 am
Obesity and Cancer
Mentor: Elika Shabrokh, Post-doctoral Fellow, Surgery

Sophia Christos Poster 19 3:00 - 4:00 pm
Who Makes International Human Rights Law?
Mentor: Kevin Cope, Grotius Research Scholar; PhD Pre-Candidate, Political Science, Political Science

Steven Cioffi Poster 28 3:00 - 4:00 pm
Safe Spaces, Microaggressions and Their Influences on Human Psychology
Mentor: Joseph Calabrisotto, Graduate Student Researcher, Graduate Student Instructor (Psych 240), Psychology (Social Psychology)

Rachel Clark Poster 108 3:00 - 4:00 pm
Modern Contraceptive Use Among Female Adolescents of Sub-Saharan Africa
Mentor: Massy Mutumba, Research Fellow, Health Behavior and Biological Sciences

Rebecca Clemons Poster 145 12:30 - 1:30 pm
Examining variation in disease prevalence and susceptibility in amphibian hosts
Mentor: Anat Belasen, PhD Candidate, Ecology and Evolutionary Biology

Jasmine Chiquito Poster 17 9:00 - 10:00 am
Education Beyond Access: Undocumented, DACmented and Immigrant Students
Mentor: Betty Overton-Adkins, Clinical Professor, Center for the Study of Higher and Postsecondary Education

Kheshven Chockalingam Poster 96 3:00 - 4:00 pm
Neural Mechanisms of Reward Processing
Mentor: J Aldridge, Professor, Psychology

Elizabeth Chon Poster 45 3:00 - 4:00 pm
Educational Resources on Gender-Based Violence
Mentor: Darin Stockdill, Design Coordinator, Center for Education Design, Evaluation, and Research, U of MI

Noah Cicurel Poster 154 4:00 - 5:00 pm
The Closed Book
Mentor: Rebecca Wollenberg, Assistant Professor, Frankel Center for Judaic Studies

Anna Clark Poster 5 3:00 - 4:00 pm
Popote: Writing the Life of an Enslaved Woman
Mentor: Martha Jones, Presidential Bicentennial Professor, History & Afroamerican and African Studies

James Clarke Poster 102 9:00 - 10:00 am
Cancer Stem Cell Immunotherapy
Mentor: Qiao Li, Research Associate Professor, Surgery

Rachel Climer Poster 140 12:30 - 1:30 pm
Cultivation and Characterization of Microbial Taxa from Lake Michigan
Mentor: Vincent Denef, Assistant Professor, Ecology and Evolutionary Biology
Daniel Cluxton  Poster 8  9:00 - 10:00 am
Studying speech sounds via instrumental acoustic analysis
Mentor: Nicholas Henriksen, Assistant Professor, Romance Languages and Literatures

Vianni Cobb  Poster 157  10:00 - 11:00 am
Implementation of a Community-Based Violence Prevention Program for Youth
Mentor: Andria Eisman, Research Assistant Professor, Health Behavior and Health Education

Gregory Cogut  Poster 83  10:00 - 11:00 am
Links between sustainability-related awareness and behavior: The moderating role of engagement
Mentor: Noah Webster, Assistant Research Scientist, Institute for Social Research

Jeremy Cohn  Poster 70  12:30 - 1:30 pm
Preventing Tobacco Use Among Adolescents via mHealth Primary Care Intervention
Mentor: David Cordova Jr, Assistant Professor, Social Work

Ethan Cole  Poster 131  10:00 - 11:00 am
The Harbaugh Effect: Spike in Michigan Fandom Observed in a City with Mixed Loyalty
Mentor: Daniel Kruger, Research Assistant Professor, Institute for Social Research

Sheridan Cole  Poster 45  3:00 - 4:00 pm
Gender-Based Violence Educational Resources
Mentor: Darin Stockdill, Design Coordinator, Center for Education Design, Evaluation, and Research, U of MI

Eva Collins-Carey  Poster 49  3:00 - 4:00 pm
Influences on pollinator visitation to crop flowers
Mentor: Michelle Fearon, Graduate Student, Ecology and Evolutionary Biology

Spencer Compo  Poster 112  10:00 - 11:00 am
Focusing with Mixed Reality
Mentor: Eric Maslowski, Director, Creative Applications, Digital Media Commons, Library

Andrew Connelly  Poster 122  9:00 - 10:00 am
Occludin phosphorylation regulates retinal edema
Mentor: David Antonetti, Professor, Ophthalmology

David Conzelmann  Poster 24  4:00 - 5:00 pm
English Soccer Club Financial Accounts
Mentor: Stefan Szymanski, Professor, Sports Management

Alexander Cooke  Poster 125  12:30 - 1:30 pm
Study of the T790M Mutation Induced by TKI Treatment in Lung Cancer
Mentor: Najwa El Kadi, Research Lab Specialist, PhD, Hematology/Oncology

Sarah Cooke  Poster 107  9:00 - 10:00 am
Rotavirus RNA Purification
Mentor: Robert Woods, Assistant Professor of Medicine, Internal Medicine - Infectious Diseases

John Cooney  Poster 146  1:30 - 2:30 pm
Thermal Discrepancies in Titan's Thermosphere
Mentor: Orenthal Tucker, Assistant Research Scientist, Climate and Space Sciences and Engineering

Dominique Cornitcher  Poster 96  10:00 - 11:00 am
PCAP's Annual Exhibition of Art by Michigan Prisoners
Mentor: Ashley Lucas, Associate Professor, Theatre & Drama and Residential College
<table>
<thead>
<tr>
<th>Name</th>
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<th>Time</th>
<th>Title</th>
<th>Mentor</th>
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<tbody>
<tr>
<td>Mackenzie Cosand</td>
<td>Poster 10</td>
<td>4:00 - 5:00 pm</td>
<td>Women's Lobbying and the Equal Rights Amendment</td>
<td>James Strickland, Doctoral student, Political Science</td>
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<td>Jennifer Cosens</td>
<td>Poster 22</td>
<td>12:30 - 1:30 pm</td>
<td>Laboratory Astrophysics -- Simulations</td>
<td>Carolyn Kuranz, Associate Research Scientist, Climate and Space Science</td>
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<tr>
<td>Meghan Cotant</td>
<td>Poster 48</td>
<td>4:00 - 5:00 pm</td>
<td>Consumer Health Informatics: A Scoping Review</td>
<td>Tiffany Veinot, Associate Professor, School of Information</td>
</tr>
<tr>
<td>Ana Coterillo</td>
<td>Poster 146</td>
<td>10:00 - 11:00 am</td>
<td>Uncertainty and Pain Duration</td>
<td>Darwin Guevarra, Doctoral Candidate, Psychology</td>
</tr>
<tr>
<td>Karlie Cradock</td>
<td>Poster 56</td>
<td>9:00 - 10:00 am</td>
<td>Light Innovations in the Workplace to Promote Physical and Mental Health</td>
<td>Ana Baylin, Associate Professor, Epidemiology</td>
</tr>
<tr>
<td>Cody Croletto</td>
<td>Poster 26</td>
<td>10:00 - 11:00 am</td>
<td>Visualizing UMTRI</td>
<td>Kathleen Klinich, Associate Research Scientist, Transportation Research Institute</td>
</tr>
<tr>
<td>Kristen Cross</td>
<td>Poster 37</td>
<td>1:30 - 2:30 pm</td>
<td>Effects of Stereotypic Attribution Bias on Test Performance</td>
<td>Veronica Derricks, Graduate Student, Psychology</td>
</tr>
<tr>
<td>Olivia Cross</td>
<td>Poster 99</td>
<td>9:00 - 10:00 am</td>
<td>Implementation of Quality Improvement Methodology</td>
<td>Kristin Kullgren, Assistant Professor, Pediatrics</td>
</tr>
<tr>
<td>Kyleigh Cumming</td>
<td>Poster 15</td>
<td>4:00 - 5:00 pm</td>
<td>Attentional Control Brain Activations in Bilingual Children and Their Relation to Literacy Acquisition: An fNIRS Study</td>
<td>Teri Voepel-Lewis, Associate Research Scientist, Anesthesiology</td>
</tr>
<tr>
<td>Ricardo Cummings</td>
<td>Poster 134</td>
<td>9:00 - 10:00 am</td>
<td>Innovation in Engineering Entrepreneurship</td>
<td>Aileen Huang-Saad, Assistant Professor, Biomedical Engineering</td>
</tr>
<tr>
<td>Emily Currier</td>
<td>Poster 58</td>
<td>10:00 - 11:00 am</td>
<td>Pain Vulnerable Children: Identifying Children at Risk for Persistent Pain</td>
<td>Terri Voepel-Lewis, Associate Research Scientist, Anesthesiology</td>
</tr>
<tr>
<td>Amogh Daduvai</td>
<td>Poster 136</td>
<td>10:00 - 11:00 am</td>
<td>Violence in Political Protest</td>
<td>Michael Heaney, Assistant Professor, Organizational Studies and Political Science</td>
</tr>
<tr>
<td>Omar Dahbali</td>
<td>Poster 132</td>
<td>4:00 - 5:00 pm</td>
<td>Icephobic systems utilizing binary oil mixtures</td>
<td>Anish Tuteja, Associate Professor, Material Science and Engineering</td>
</tr>
<tr>
<td>Nada Dakka</td>
<td>Poster 74</td>
<td>3:00 - 4:00 pm</td>
<td>Akita Mouse Model of Diabetes</td>
<td>Peter Arvan, Professor, Department of Internal Medicine</td>
</tr>
</tbody>
</table>
Maysa Damen  Poster 95  12:30 - 1:30 pm
Stress, Obesity, and Diabetes in Adolescents
Mentor: Rebecca Hasson, Assistant Professor, Kinesiology

Mahima Daniel  Poster 77  3:00 - 4:00 pm
Immunopathogenesis of Rheumatoid Arthritis
Mentor: Mohammad Amin, Research Assistant Professor, Internal Medicine – Rheumatology

Claire Davenport  Poster 80  10:00 - 11:00 am
The Farm at St. Joes: Facilitating Strategic Planning and Community Engagement
Mentor: Raymond De Young, Associate Professor, Behavior, Education, and Communications

Karinna Davis  Poster 73  3:00 - 4:00 pm
Transgenic mouse models of hypothyroidism
Mentor: Peter Arvan, Professor, Department of Internal Medicine

Erica Dawson  Poster 44  12:30 - 1:30 pm
What do people around the world think when answering life expectancy questions?
Mentor: Pamela Giustinelli, Research Assistant Professor, Institute for Social Research, Survey Research Center

Erin Day  Poster 87  9:00 - 10:00 am
Cognitive effects of Deep Brain Stimulation in Parkinson’s disease
Mentor: Carol Persad, Associate Professor, Psychiatry-Neuropsychology

John Day  Poster 80  3:00 - 4:00 pm
Exploring new sensory mechanisms in model organisms
Mentor: Adam Iliff, Postdoctoral Fellow, Life Sciences Institute

Claire De Heus  Poster 120  9:00 - 10:00 am
Identify Cancer Stem Cell Signature in Malignant Brain Tumors
Mentor: Xing Fan, Associate Professor, Neurosurgery and Cell and Developmental Biology

Michael Dean  Poster 55  10:00 - 11:00 am
Catheter-microbiome derived inflammation in dialysis patients
Mentor: Amy Pai, Associate Professor, Clinical Pharmacy

Rumi Deb  Poster 77  10:00 - 11:00 am
Carry-Over: Impact of Dietary Stress on Ecdysteroid Hormone Levels of Acheta Domesticus
Mentor: Katherine Crocker, Graduate Student, Ecology and Evolutionary Biology

Dallin Deem  Poster 157  4:00 - 5:00 pm
Cinematecture: Architecture and Urbanism in Film
Mentor: Roy Strickland, Professor of Architecture, Architecture

Amelia Deller  Poster 41  12:30 - 1:30 pm
Programming Labyrinths
Mentor: Erik Herrmann, Sanders Fellow in Architecture 2016-2017, Architecture

Laura Dent  Poster 35  9:00 - 10:00 am
Sexual Violence Perpetration among Young Adults
Mentor: Erin Bonar, Assistant Professor, Psychiatry

Julia Derringer  Poster 131  1:30 - 2:30 pm
Terrestrial carbon and iron as paleoclimate proxies for the Early Eocene Climatic Optimum
Mentor: Rebecca Dzombak, Graduate Student, Earth & Environmental Sciences
Mason Devarti  Poster 132  12:30 - 1:30 pm
Using CRISPR/Cas9 to Counteract Hypofunctional TorsinA by Increasing TorsinB in DYT1 Dystonia
Mentor: Chun-Chi Liang, Research Investigator, Neurology

Deepthi Devireddy  Poster 73  4:00 - 5:00 pm
B Cell Transformation in Chronic Lymphocytic Leukemia
Mentor: Jing Christine Ye, Assistant Professor, hematology oncology/ internal medicine

Lizbeth Diaz  Poster 150  10:00 - 11:00 am
Classroom Interactions Modeled by Question Complexity in Algebra Instruction at Community Colleges
Mentor: Vilma Mesa, Associate Professor, School of Education

Delaney Dimich  Poster 85  3:00 - 4:00 pm
Modeling of Low-Grade Glioma in Mice Using the Sleeping Beauty Transposon System
Mentor: Maria Castro, Professor, Neurosurgery

Justin Do  Poster 94  3:00 - 4:00 pm
Bone Biology and Bone Repair: Novel Role of Macrophages
Mentor: Benjamin Sinder, Post-Doctoral Fellow, Periodontics and Oral Medicine

Margaret Dolan  Poster 89  9:00 - 10:00 am
Autism Spectrum Disorders: Bridging the Gap
Mentor: Angela Fish, Clinical Instructor, Psychiatry, Child and Adolescent Section

Conor Donnelly  Poster 42  4:00 - 5:00 pm
Genes for Good - A Facebook App to Help Research into Genetics and Health
Mentor: Goncalo Abecasis, Professor, Biostatistics

Anna DeVeaux  Poster 79  12:30 - 1:30 pm
Evaluation of A Firearm Safety Curriculum
Mentor: Patrick Carter, Assistant Professor, Emergency Medicine

Aastha Dharla  Poster 80  4:00 - 5:00 pm
Leg Motor Skill Learning during Gait: Effects of Gradual Versus Random Practice
Mentor: Chandramouli Krishnan, Assistant Professor, Physical Medicine & Rehabilitation

Andrew Dicks  Poster 10  1:30 - 2:30 pm
Second language oral production & cognition
Mentor: Lorenzo Garcia-Amaya, Assistant Professor, Romance Languages and Literatures

Carolyn Dimitry  Poster 32  3:00 - 4:00 pm
The Strategic Psychology of Terrorism
Mentor: Carly Wayne, PhD Candidate, Political Science

Alexander Doherty  Poster 51  4:00 - 5:00 pm
Allosteric Modulation of the Mu Opioid Receptor for the Treatment of Pain
Mentor: John Traynor, Professor, Pharmacology

Jacquelin Doman  Poster 82  12:30 - 1:30 pm
Prospective observational study of individuals with cystic fibrosis
Mentor: Lindsay Caverly, Assistant Professor, Pediatric Pulmonary

Tara Dorje  Poster 5  9:00 - 10:00 am
UM Jazz Festival
Mentor: Dennis Wilson, Associate Professor, Jazz Department
**Modestea Doud**  Poster 46  1:30 - 2:30 pm  
*Catalytic Intermediates in the Human Aspartate Amino Transferase Reaction*  
Mentor: Ruma Banerjee, Vincent Massey Collegiate Professor of Biochemistry, Biological Chemistry

**Ali Dowair**  Poster 10  10:00 - 11:00 am  
*Estimating the Dry Deposition of Atmospheric Particulate Mercury*  
Mentor: Frank Marsik, Associate Research Scientist, Climate and Space Sciences and Engineering

**Lena Dreves**  Poster 123  10:00 - 11:00 am  
*Spying on Democracy*  
Mentor: William Potter, Marsh Visiting Professor of Journalism, Comm Studies

**Hannah Driks**  Poster 63  4:00 - 5:00 pm  
*Computer Aided Protein Drug Design for HPV Induced Cancer*  
Mentor: Yang Zhang, Professor, Department of Computational Medicine & Bioinformatics

**Marianne Drysdale**  Poster 22  1:30 - 2:30 pm  
*Evaluating the Effect of CAN's After School Program on Client Wellbeing*  
Mentor: Joan Doughty, Deputy Director, Community Action Network

**Zoe Duncan-Doroff**  Poster 26  9:00 - 10:00 am  
*Using Driving Simulation to study influence of teen passengers on teen drivers*  
Mentor: Anuj Pradhan, Assistant Research Scientist, Transportation Research Institute

**Emily Dworkin**  Poster 83  12:30 - 1:30 pm  
*Elimination Problems in Young Children*  
Mentor: Barbara Felt, Professor, Pediatrics and Center for Human Growth and Development

**Alexandra Eastman**  Poster 124  10:00 - 11:00 am  
*University Responses to Sexual Assault on Campus*  
Mentor: Elizabeth Armstrong, Professor, Departments of Sociology, Organizational Studies, and Women's Studies

**Malia Eastman**  Poster 78  4:00 - 5:00 pm  
*Adherence to Prescribed Orthotics in Patients with Genetic Neuropathy*  
Mentor: Sindhu Ramchandren, Assistant Professor of Neurology, Neurology

**Amani Echols**  Poster 4  4:00 - 5:00 pm  
*Stress in the Cells: The association between experiences of stress, discrimination, and telomere length among women in MI*  
Mentor: Arline Geronimus, Professor, Health Behavior and Health Education

**Breann Edwards**  Poster 138  3:00 - 4:00 pm  
*T1D Exchange Registry*  
Mentor: Joyce Lee, Associate Professor, Pediatric Endocrinology

**Ceren Ege**  Poster 24  9:00 - 10:00 am  
*Using Others' Emotion Expressions as a Context Clue to Empathize*  
Mentor: Joshua Wondra, Doctoral Candidate, Psychology

**Nourel-Hoda Eidy**  Poster 97  12:30 - 1:30 pm  
*Parkinson Public Data Project*  
Mentor: Vikas Kotagal, Assistant Professor, Neurology

**Chino Ekwueme**  Poster 39  9:00 - 10:00 am  
*The relationship between parent expectations and black students' academic self concept*  
Mentor: Stephanie Rowley, Professor, Psychology
Issa El-Amir  Poster 132  9:00 - 10:00 am  
Experimental Validation of Radioactive Mapping and Drone Navigation Algorithms  
Mentor: Kimberlee Kearfott, Professor, NERS

Dabel Embo  Poster 83  12:30 - 1:30 pm  
Elimination problems in young children  
Mentor: Barbara Felt, Professor, Pediatrics and Center for Human Growth and Development

Jessica Erickson  Poster 136  12:30 - 1:30 pm  
Characterization of a therapeutic target in hedgehog-driven medulloblastoma  
Mentor: Jean-Francois Rual, Assistant Professor, Pathology

Ariel Everitt  Poster 116  1:30 - 2:30 pm  
Investigating the effects of MMS and H2O2 stressors on PAPP-A knockout MEF cells  
Mentor: Rishabh Kala, Post doctoral fellow, Pathology

Michael Fabatz  Poster 39  12:30 - 1:30 pm  
U-M Bicentennial Research  
Mentor: Gary Krenz, Administrator/Lecturer, U-M Bicentennial Office

Silan Fadlallah  Poster 38  1:30 - 2:30 pm  
Ethnic Identity and Self Esteem in Latino Adolescents  
Mentor: Deborah Rivas-Drake, Associate Professor, Psychology and Education

Rebecca Falzon  Poster 119  12:30 - 1:30 pm  
Brtl/+ Male and Female Mice Show a Dose-Dependent Bone Response to Sclerostin-Antibody  
Mentor: Kenneth Kozloff, Assistant Professor, Orthopaedic Surgery

Samuel Emblidge  Poster 46  12:30 - 1:30 pm  
The Effects of Safe Spaces on Human Psychology  
Mentor: Izzy Gainsburg, Graduate Student, Psychology

Riley Engstrom  Poster 79  3:00 - 4:00 pm  
Immunopathogenesis of Rheumatoid Arthritis  
Mentor: Jeffrey Ruth, Associate Research Scientist, Internal Medicine, Division of Rheumatology

Jangul Eron-Baurjan  Poster 57  12:30 - 1:30 pm  
Islam, Religious Radicalization, Stability, and Regulation in Central Asia  
Mentor: Pauline Luong, Professor, Political Science

Jude Eyamba  Poster 155  10:00 - 11:00 am  
A Longitudinal Study of Intergenerational Transmission of Risk for Alcohol  
Mentor: Justin Heinze, Research Assistant Professor, Health Behavior and Health Education

Gabrielle Fabre  Poster 116  10:00 - 11:00 am  
Images of an Immigrant Nation: Portrayals of Immigrants in the Mass Media  
Mentor: Ted Brader, Professor, Political Science

Michael Falbo  Poster 130  10:00 - 11:00 am  
Assessing Reactions to Expressions of Social Allegiance  
Mentor: Daniel Kruger, Research Assistant Professor, Institute for Social Research

Mahmoud Farghal  Poster 104  3:00 - 4:00 pm  
Race, social, class, and Mental Health: Arab Americans  
Mentor: Shervin Assari, Faculty, Psychiatry
Taylor Fegan  Poster 112  4:00 - 5:00 pm
*Securing Organ Viability through Ex-Vivo Heart Perfusion*
Mentor: Alvaro Rojas Pena, Assistant Research Scientist, Department of Surgery-Transplantation

Daniel Fergle  Poster 119  3:00 - 4:00 pm
*Mitigation of Radiation Induced Skin Injury in a Murine Breast Reconstruction Model Using DFO and AMF*
Mentor: Steven Buchman, Professor, Department of Plastic Surgery

Cara Ferguson  Poster 99  4:00 - 5:00 pm
*Creating Perfuseable Engineered Vascular Networks*
Mentor: Ming-Sing Si, Assistant Professor, Cardiac Surgery

Paige Ferguson  Poster 71  4:00 - 5:00 pm
*Guideline Adherence in Bronchiolitis*
Mentor: Marisa Louie, Clinical Lecturer, Department of Emergency Medicine

Erico Fernandez  Poster 124  3:00 - 4:00 pm
*Fluorescence correlation spectroscopy on cancer cells*
Mentor: Jens-Christian Meiners, Professor, Biophysics / Physics

Chester Fillhard  Poster 138  4:00 - 5:00 pm
*Powertrain Strategies for the 21st Century*
Mentor: Bruce Belzowski, Managing Director: Automotive Futures, UM Transportation Research Institute

Zoe Finer  Poster 86  3:00 - 4:00 pm
*Improving Access to LARC Immediately After Childbirth*
Mentor: Michelle Moniz, Clinical Lecturer, Robert Wood Johnson Clinical Scholar, ObGyn

Andre Fisher  Poster 57  9:00 - 10:00 am
*MiVoices- Real-time Text Messaging Polling to give Adolescents a Voice*
Mentor: Tammy Chang, Assistant Professor, Family Medicine

Sarah Flanigan  Poster 52  9:00 - 10:00 am
*The Healthy Minds Network for Research on Adolescent & Young Adult Mental Health*
Mentor: Sarah Lipson, Research Assistant Professor, Child Health Evaluation & Research Center, Dep of Pediatrics

Caleb Foerg  Poster 21  9:00 - 10:00 am
*Race-Based Motivated Reasoning: “A Motivating Case”*
Mentor: Hakeem Jefferson, Doctoral Candidate, Political Science/Center for Political Studies

Claire Foley  Poster 140  9:00 - 10:00 am
*Blood circulation mechanic and disease models by microfluidics*
Mentor: Tak For Yu, Post-doctoral Fellow, Mechanical Engineering

Ashley Foster  Poster 10  12:30 - 1:30 pm
*Robotics and Accessibility*
Mentor: Walter Lasecki, Assistant Professor, Computer Science and Engineering

Sydney Foy  Poster 30  9:00 - 10:00 am
*Political Campaigning Content and Advertising*
Mentor: Stuart Soroka, Professor, Communication Studies

Tatianna Fraley  Poster 38  12:30 - 1:30 pm
*U-M Bicentennial Research*
Mentor: Gary Krenz, Administrator/Lecturer, U-M Bicentennial Office
Stephanie Francalancia  Poster 107  3:00 - 4:00 pm
*Non-Invasive Monitoring of the Critically Ill and Injured Patient*
Mentor: Mohamad Tiba, Research Investigator / Faculty, Emergency Medicine

Charlene Franke  Poster 48  12:30 - 1:30 pm
*Gender and Employee Voice: International Perspectives*
Mentor: Cindy Schipani, Professor, Business Law

Abrielle Fretz  Poster 74  1:30 - 2:30 pm
*Advance Directives: Providing Quality Health Care to an Aging Population*
Mentor: Heather Holmstrom, Physician, MD, Department of Family Medicine

Hannah Fuller  Poster 87  10:00 - 11:00 am
*Impact of mycorrhizal fungi on plant growth and defense*
Mentor: Amanda Meier, Doctoral Candidate, Ecology and Evolutionary Biology

Logan Gaastra  Poster 137  9:00 - 10:00 am
*Behavioral Game Theory and Applications*
Mentor: Romesh Saigal, Professor, Industrial & Operations Engineering

Marjorie Gaber  Poster 4  9:00 - 10:00 am
*Star Trek: Gender, Race, and Music*
Mentor: Jessica Getman, Managing Editor, Gershwin Initiative

Sahar Galal  Poster 81  1:30 - 2:30 pm
*Project BEAN: Building Evidence Based Practice Capacity across the Nation*
Mentor: Anne McLeod, stroke program coordinator/DNPe, comprehensive stroke center

Skyler Frank  Poster 99  12:30 - 1:30 pm
*The Impact of Physical Activity and Exercise on Psychiatric Disorders*
Mentor: Richard Dopp, Clinical Assistant Professor, Psychiatry

Claire Freimark  Poster 78  10:00 - 11:00 am
*YOLO, or save it for the home stretch?: Parental strategy in crickets*
Mentor: Katherine Crocker, Graduate Student, Ecology and Evolutionary Biology

William Fuh  Poster 146  9:00 - 10:00 am
*Structure-Based Assignment of RNA Chemical Shifts*
Mentor: Aaron Frank, Assistant Professor, Chemistry and Biophysics

Katherine Fuller  Poster 85  1:30 - 2:30 pm
*Influence of leptin, diet, and exercise on bone growth*
Mentor: Katarina Borer, Professor, Movement Science

Jahan Gabayre  Poster 39  10:00 - 11:00 am
*Intravital Analysis of B and T cell contacts*
Mentor: Irina Grigorova, Assistant Professor, Microbiology and Immunology

Roland Gainer  Poster 99  10:00 - 11:00 am
*The Prison Creative Arts Project*
Mentor: Ashley Lucas, Associate Professor, Theatre & Drama and Residential College

Alma Galindo  Poster 154  1:30 - 2:30 pm
*Star Exploration of NGC 4945*
Mentor: Eric Bell, Professor, Astronomy
Bianca Gallina  Poster 19  1:30 - 2:30 pm
*An Archival Review of the University of Michigan Excavations at Dimé*
Mentor: Arthur Verhoogt, Arthur F. Thurnau Professor and Professor of Papyrology and Greek, Classical Studies

Angelica Rose Galvan  Poster 150
1:30 - 2:30 pm
*Optimizing the Manufacturing of Porous Poly e-caprolactone Scaffold Conduits For Nerve Repair*
Mentor: Jeff Sakamoto, Associate Professor, Mechanical Engineering

Tiffany Gappy  Poster 47  3:00 - 4:00 pm
*Christians of the Middle East: Critical Approaches*
Mentor: Hakem Al-Rustom, Assistant Professor, History

Anusha Garg  Poster 146  10:00 - 11:00 am
*Uncertainty and Pain Duration*
Mentor: Darwin Guverarra, Doctoral Candidate, Psychology

Sean Garrett  Poster 31  10:00 - 11:00 am
*Brain-Computer Interface End User Trends: Participation and Descriptions*
Mentor: Jane Huggins, Associate Research Scientist, Physical Medicine and Rehabilitation

Anudeeta Gautam  Poster 129  3:00 - 4:00 pm
*Developing MHealth Technologies for promoting self-management of HIV*
Mentor: Massy Mutumba, Research Fellow, Health Behavior and Biological Sciences

Camille Gazoul  Poster 129  10:00 - 11:00 am
*Rates of cell phone use increased after cell phone deprivation*
Mentor: Daniel Kruger, Research Assistant Professor, Institute for Social Research

Alyse Geiger  Poster 11  3:00 - 4:00 pm
*Who Makes International Human Rights Law?*
Mentor: Kevin Cope, Grotius Research Scholar; PhD Pre-Candidate, Political Science, Political Science

Madison George  Poster 42  10:00 - 11:00 am
*Collection and Analysis of Cancer Vaccines in a CanVaxKB Cancer Vaccine Knowledge Base*
Mentor: Yongquin He, Associate Professor, Lab Animal Medicine, Microbiology and Immunology, & Bioinformatics

Emma Gerlinger  Poster 74  4:00 - 5:00 pm
*CRISEL Mediated Isolation and Sequencing of the Mouse Pseudoautosomal Region*
Mentor: Jacob Mueller, Assistant Professor, Human Genetics

Madeleine Gerson  Poster 148
10:00 - 11:00 am
*Understanding Risk and Resilience in Youth and Their Families*
Mentor: Luke Hyde, Assistant Professor, Psychology

Levi Getz  Poster 77  12:30 - 1:30 pm
*Psychosocial / behavioral aspects of oral health*
Mentor: Marita Inglehart, Professor, Periodontics and Oral Medicine

Amer Ghali  Poster 107  12:30 - 1:30 pm
*A review of evaluations of competency-based medical educational programs*
Mentor: Vicki Ellingrod, John Gideon Searle Professor of Clinical and Translational Pharmacy, University of Michigan

Ahmad Ghazal  Poster 6  4:00 - 5:00 pm
*Procurement Technical Assistance Center (PTAC)*
Mentor: Lawrence Molnar, Research Sponsor, Institute for Research on Labor, Employment, and the Economy
**Vincent Giacalone II  Poster 26  1:30 - 2:30 pm**
The Effect of Conditional Cash Transfers (CCT) on Student Achievement
Mentor: Valentina Duque, Postdoctoral fellow, ISR Econ

**Ashley Gignac  Poster 124  1:30 - 2:30 pm**
Evaluating the Influence of Manure Applications on Nutrient Loads in the Maumee: Impact of Composition
Mentor: Rebecca Muenich, Postdoctoral Fellow, Graham Sustainability Institute

**Cara Giles  Poster 25  4:00 - 5:00 pm**
English Soccer Club Financial Accounts
Mentor: Stefan Szymanski, Professor, Sports Management

**Hannah Ginsky  Poster 9  3:00 - 4:00 pm**
Genetic Mediation of Cultural Differences in the Endowment Effect
Mentor: Steve Shaw, PhD Candidate, Marketing, Ross School of Business

**Mark Gladsteyn  Poster 29  10:00 - 11:00 am**
Effects of Being Forced or Persuaded into Mental Health Treatment
Mentor: Joseph Gone, Professor, Psychology

**Alexander Glasco  Poster 121  1:30 - 2:30 pm**
Characterizing the fungal community of Cone snail microbiomes
Mentor: C Alisha Quandt, Postdoctoral fellow, Ecology and Evolutionary Biology

**Madelyn Goblirsch  Poster 99  12:30 - 1:30 pm**
The Impact of Physical Activity and Exercise on Psychiatric Disorders
Mentor: Richard Dopp, Clinical Assistant Professor, Psychiatry

**Rhea Gogia  Poster 96  9:00 - 10:00 am**
Orbital volume and eyelid position change after orbital decompression surgery in thyroid eye disease
Mentor: Pimkwan Jaru-Ampornpan, MD, Kellogg Eye Center, Ophthalmology Department

**Robert Golduber  Poster 58  3:00 - 4:00 pm**
Laboratory Astrophysics - Target Maneuverability and Image Capture
Mentor: Paul Keiter, Research Scientist, Climate and Space Sciences and Engineering

**Amanda Gomez  Poster 134  12:30 - 1:30 pm**
Production of recombinant MLL1 H3K4 methyltransferase complex for structural studies
Mentor: Young-Tae Lee, Research Investigator, Pathology

**Griffin Gonzales  Poster 27  4:00 - 5:00 pm**
Labor Markets for Managers
Mentor: Yue Zhou, Assistant Professor, Strategy

**Jett Gonzales  Poster 12  12:30 - 1:30 pm**
Developing Hydrophobic Airbag Fabric Coatings
Mentor: Richard Laine, Professor, Materials Science and Engineering

**Adrian Gonzalez  Poster 88  10:00 - 11:00 am**
Ecological diversity of mammals as indicators of climate
Mentor: Catherine Badgley, Associate Professor, Ecology & Evolutionary Biology

**Eva Gonzalez  Poster 1  1:30 - 2:30 pm**
Toribio Romo: An Immigrant Saint in America
Mentor: William Calvo-Quiros, Assistant Professor, American Culture
Laura Goo  Poster 118  12:30 - 1:30 pm
Genetic Modification of Breast Cancer Cell lines using CRISPR/Cas9
Mentor: Joel Yates, Senior Research Specialist, Internal Medicine-Hem/Onc

Shaun Goulet  Poster 128  1:30 - 2:30 pm
Functional Assessement of Fish in Coastal Wetlands
Mentor: Jeff Schaeffer, Research Fishery Biologist, USGS Great Lakes Science Center

Madison Graifman  Poster 135  1:30 - 2:30 pm
Impact of PAMAM Dendrimer Surface Functionalization on Cytotoxicity and Internal
Mentor: Somnath Bhattacharjee, Research Investigator, Chemistry, Biomedical Engineering, Biochemistry

Cassandra Granville  Poster 114
12:30 - 1:30 pm
Legislative Interference in the Patient-Physician Relationship
Mentor: Vanessa Dalton, Associate Professor; Director, Program on Women's Healthcare Effective, Obstetrics and Gynecology

Asia Green  Poster 64  1:30 - 2:30 pm
Can You Tell The Difference? Brain Function Patterns Associated With Object Similarity
Mentor: Elizabeth Duval, Research Fellow/Clinical Lecturer, Psychiatry

Daniel Greene  Poster 29  9:00 - 10:00 am
Political Campaigning Content and Advertising
Mentor: Stuart Soroka, Professor, Communication Studies

Naya Grier  Poster 134  1:30 - 2:30 pm
Association of Environmental Toxins With Amyotrophic Lateral Sclerosis
Mentor: Stuart Batterman, Professor, EHS

Morgan Gordon  Poster 53  1:30 - 2:30 pm
Neutralization of the PD-1 Signaling Pathway in a Murine Model of Progressive Cryptococcosis
Mentor: John Osterholzer, Physician Scientist, Internal Medicine, Pulmonary Division

Pranav Govindaraju  Poster 122  10:00 - 11:00 am
Spying on Democracy
Mentor: William Potter, Marsh Visiting Professor of Journalism, Comm Studies

Dorya Grancaric  Poster 11  9:00 - 10:00 am
Video Games and Art History
Mentor: Kelli Wood, Assistant Professor, Postdoctoral Scholar, Art History

Stephanie Grau  Poster 91  1:30 - 2:30 pm
The Effect of Sleep Characteristics on Gastro-Esophageal Reflux Disease (GERD)
Mentor: Jason Baker, Technical Director of the GI Physiology Laboratory, Internal Medicine – Gastroenterology

Alec Greene  Poster 103  4:00 - 5:00 pm
Extracellular ATP changes bacterial susceptibility to antibiotics
Mentor: Jianfeng Wu, Research investigator, Environmental Health Sciences

Jordan Gregory  Poster 118  1:30 - 2:30 pm
Understanding the neurobiology of an animal model of PTSD and addiction
Mentor: Jonathan Morrow, Assistant Professor, Psychiatry

Alyson Grigsby  Poster 21  9:00 - 10:00 am
Race-Based Motivated Reasoning: Evidence from Police-Involved Shootings
Mentor: Hakeem Jefferson, Doctoral Candidate, Political Science/Center for Political Studies
Sari Grossman Poster 117 1:30 - 2:30 pm
*Discovery of novel prostate cancer drugs acting on the SUMOylation pathway*
Mentor: Jorge Iniguez-Lluhi, Associate Professor, Pharmacology

Divya Gumudavelly Poster 73 1:30 - 2:30 pm
*Central Nervous System Pain Reduction*
Mentor: Daniel Clauw, Professor of Anesthesiology, Anesthesiology

Katyanna Guthrie Poster 21 3:00 - 4:00 pm
*Examining the Link Between Ethinyl Estradiol and Spatial Ability in Oral Contraceptive Users*
Mentor: Adriene Beltz, Assistant Professor, Psychology

Dina Habibovic Poster 157 9:00 - 10:00 am
*Computed tomography reconstruction of fossil vertebrates*
Mentor: Matt Friedman, Associate Professor, Museum of Paleontology/Earth and Environmental Science

Olivia Haddad Poster 118 3:00 - 4:00 pm
*Optimizing Healing Conditions in Bone and Soft Tissue Following Radiotherapy*
Mentor: Steven Buchman, Professor, Department of Plastic Surgery

Sumaiya Haider Poster 33 10:00 - 11:00 am
*The role of Pax2-gene on Kidney Development and Ovarian Cancer*
Mentor: Abdulsalam Soofi, Research Lab Specialist Senior, Pathology

Brittany Hamama Poster 105 1:30 - 2:30 pm
*Human stem cell derived 3D cardiac microtissues*
Mentor: Todd Herron, Research Assistant Professor, Internal Medicine and Cardiology

Samantha Grudzien Poster 40 3:00 - 4:00 pm
*Relational distance and it’s influence on moral judgment and decision making*
Mentor: Walter Sowden, Research Scientist, Psychology

Amanda Gunawan Poster 102 1:30 - 2:30 pm
*To map known and newly defined cell types across the seminiferous tubule.*
Mentor: Saher Hammoud, Assistant Professor, Human Genetics

Jaylene Gutierrez Poster 122 1:30 - 2:30 pm
*Evaluating Water Quality "Hotspots" in the Huron-Erie Corridor*
Mentor: Awoke Teshager, Postdoctoral Fellow, Graham Sustainability Institute, UM

Kendra Hackett Poster 91 12:30 - 1:30 pm
*Study of Continuous Performance*
Mentor: Sekhar Sripada, Associate Professor, Psychiatry/Philosophy

Colleen Hadley Poster 81 12:30 - 1:30 pm
*Immediate Effects of Noise on Vestibular Function in Male Sprague-Dawley Rats*
Mentor: William King, Professor, Otolaryngology

Layla Hak Poster 75 9:00 - 10:00 am
*Demonstrating the Effects of GM-CSF Signaling on Prostate Cancer in the Bone Marrow*
Mentor: Russell Taichman, Professor, Periodontics and Oral Medicine

Aaron Hamlin Poster 93 1:30 - 2:30 pm
*Development of a genetic approach to dissect molecular mechanisms of lysosomal membrane protein turnover*
Mentor: Ming Li, Assistant Professor, MCDB
Rawan Hammoud  Poster 108  4:00 - 5:00 pm
Understanding the protein stability of Epidermal Growth Factor Receptor (EGFR)
Mentor: Paramita Ray, Research Investigator, Radiation Oncology

Zachary Hampel  Poster 62  1:30 - 2:30 pm
Differences of Sex Development: Psychological Support for Parents
Mentor: David Sandberg, Professor, Pediatrics

McKenzie Hanigan  Poster 60  9:00 - 10:00 am
Geographic and Socioeconomic Disparities in US Physician Capacity
Mentor: Hwajung Choi, Assistant Research Scientist, Internal Medicine

Sara Hanna  Poster 30  9:00 - 10:00 am
Political Campaigning Content and Advertising
Mentor: Stuart Soroka, Professor, Communication Studies

Emily Hansen  Poster 90  9:00 - 10:00 am
Speech and Communication Change in Early Autism Intervention
Mentor: Angela Fish, Clinical Instructor, Psychiatry, Child and Adolescent Section

Julian Hansen  Poster 158  9:00 - 10:00 am
Discovering Diversity in Zingiberales Seeds Using Virtual Dissection and Modeling of 3D Data
Mentor: John Benedict, Lecturer, Program in the Environment (PitE)

Sara Hansen  Poster 126  1:30 - 2:30 pm
Evaluating Water Quality “Hotspots” in the Maumee River Watershed
Mentor: Awoke Teshager, Postdoctoral Fellow, Graham Sustainability Institute, UM

Halima Haque  Poster 98  12:30 - 1:30 pm
Extended effects of high-intensity noise exposure on head postural stability in male Sprague-Dawley rats
Mentor: William King, Professor, Otolaryngology

E"Lise Harden  Poster 125  1:30 - 2:30 pm
Evaluating the Influence of Manure Applications on Nutrient Loads in the Maumee: Impact of Spatial Concentration
Mentor: Rebecca Muenich, Postdoctoral Fellow, Graham Sustainability Institute

Matthew Harmon  Poster 134  10:00 - 11:00 am
Party in the Street - Compositional Differences
Mentor: Michael Heaney, Assistant Professor, Organizational Studies and Political Science

Torie Harmon  Poster 20  1:30 - 2:30 pm
Measuring the experience of art museum visitors with an intercept survey
Mentor: Frederick Conrad, Research Professor, Institute for Social Research

Daniel Harris  Poster 75  4:00 - 5:00 pm
Mining bacterial genomes
Mentor: Evan Snitkin, Assistant Professor, Microbiology and Immunology

Mya Harris  Poster 65  12:30 - 1:30 pm
Cultural Identity and Conflict
Mentor: Fiona Lee, Professor, Psychology

Sheyenne Harris  Poster 26  12:30 - 1:30 pm
Concept Generation and Creativity in Engineering Design
Mentor: Shanna Daly, Assistant Professor, Mechanical Engineering
Annalise Harrison  Poster 68  12:30 - 1:30 pm
*Are motor reaching decisions free of cognitive biases?*
Mentor: Taraz Lee, Assistant Professor, Psychology

Nadja Hassan  Poster 138  12:30 - 1:30 pm
*Calculating implant parameters for hip replacement using image processing*
Mentor: Kayvan Najarian, Associate Professor, Computational Medicine and Bioinformatics

Aurora Haziri  Poster 6  1:30 - 2:30 pm
*Olynthos Project*
Mentor: Lisa Nevett, Professor, Classical Studies

Bradley Heintzelman  Poster 118  4:00 - 5:00 pm
*Make and break diamonds to investigate planetary habitability*
Mentor: Jie Li, Professor, Earth and Environmental Sciences

Humza Hemani  Poster 60  10:00 - 11:00 am
*The role of ankyrin G in diseases of epithelial origin*
Mentor: Kathleen Ignatoski, Senior Scientist, Pharmacology

Jean Anne Heng  Poster 61  12:30 - 1:30 pm
*Language and Emotion Regulation*
Mentor: Ethan Kross, Professor, Psychology

Alexander Henry  Poster 126  4:00 - 5:00 pm
*Ecological diversity and morphological disparity in Neotropical rodents*
Mentor: Miriam Zelditch, Associate Research Scientist, Museum of Paleontology

Nyla Hart  Poster 68  9:00 - 10:00 am
*Relationship Between the Gender Differences in Perpetration of Partner Violence*
Mentor: Quyen Epstein-Ngo, Research Assistant Professor, Injury Center

Kristen Hayden  Poster 141  12:30 - 1:30 pm
*Analytical Methods; Microbial Species Interactions with Microcystis in Inland Michigan Lakes*
Mentor: Vincent Denef, Assistant Professor, Ecology and Evolutionary Biology

Benjamin Heath  Poster 117  4:00 - 5:00 pm
*Instrumentation testing for Cosmic Microwave Background detector*
Mentor: Jeffrey McMahon, Assistant Professor, Physics

Nicklas Helton  Poster 31  9:00 - 10:00 am
*A Method to Measure Psychological Experiences under Active Ambulatory Conditions*
Mentor: Richard Gonzalez, Professor, Institute for Social Research / Psychology

Tabitha Hendren  Poster 150  3:00 - 4:00 pm
*Human Simulation of Industrial Manufacturing Applications*
Mentor: Monica Jones, Assistant Research Scientist, University of Michigan Transportation Research Institute (UMTRI)

Matthew Henning  Poster 11  3:00 - 4:00 pm
*Who Makes International Human Rights Law?*
Mentor: Kevin Cope, Grotius Research Scholar; PhD Pre-Candidate, Political Science, Political Science

Jaylin Herskovitz  Poster 8  12:30 - 1:30 pm
*CodePort: Providing Personalized Coding Support by Leveraging Relevant Information*
Mentor: Walter Lasecki, Assistant Professor, Computer Science and Engineering
David Hertz  Poster 121  12:30 - 1:30 pm  
*Notch pathway in prostate cancer*  
Mentor: Evan Keller, Professor, Urology

Diante Hill  Poster 19  12:30 - 1:30 pm  
*Pop Culture Effects on Engineering Diversity*  
Mentor: Laura Alford, Lecturer III & Research Investigator, Naval Architecture & Marine Engineering

Abdu Rahman Hijazi  Poster 141  3:00 - 4:00 pm  
*Adipocyte Biology and Metabolism in Obesity and Diabetes*  
Mentor: Robert O'Rourke, Associate Professor, Surgery, Surgery

Eve Hillman  Poster 13  3:00 - 4:00 pm  
*Who Makes International Human Rights Law?*  
Mentor: Kevin Cope, Grotius Research Scholar; PhD Pre-Candidate, Political Science, Political Science

Alejandro Hinojosa  Poster 7  12:30 - 1:30 pm  
*The Design and Synthesis of Multifunctional Nanoparticles*  
Mentor: Joerg Lahann, Professor, Chemical Engineering

Tanner Hoag  Poster 52  3:00 - 4:00 pm  
*Aquatic Ecosystem Stressor Fate and Effects Determinations*  
Mentor: Glenn Burton, Professor and Director of CILER, School of Natural Resources and Environment

Ian Hoeck  Poster 1  12:30 - 1:30 pm  
*Local thermal comfort devices in buildings*  
Mentor: Lars Junghans, Assistant Professor, Architecture

Ethan Hoffman  Poster 15  10:00 - 11:00 am  
*Development of enzyme-linked immunosorbent assay (ELISA)*  
Mentor: Maung Khaing Oo, Research Investigator, Biomedical Engineering

Connor Hogan  Poster 92  10:00 - 11:00 am  
*Italian Renaissance Art History - Defacing and Transforming Works of Art*  
Mentor: Megan Holmes, Professor, History of Art

Jeremiah Hollis III  Poster 84  3:00 - 4:00 pm  
*Role of the Circadian Protein BMAL1 in Fatty Liver Disease*  
Mentor: Xin Tong, Research Assistant Professor, Molecular & Integrative Physiology

Matthew Holman  Poster 141  10:00 - 11:00 am  
*Elections Around the World: The Constituency Level Election Archive*  
Mentor: Allen Hicken, Associate Professor, Political Science

Alyssa Holme  Poster 97  9:00 - 10:00 am  
*Bias effects for PRO Instruments for Patients With Shoulder Pain*  
Mentor: Joel Gagnier, Assistant Professor, Orthopaedic Surgery & Epidemiology

Jhuree Hong  Poster 66  9:00 - 10:00 am  
*Relationship between Mindfulness and Digital Dating Violence Among High-Risk Emerging Adults*  
Mentor: Quyen Epstein-Ngo, Research Assistant Professor, Injury Center

Kelly Hong  Poster 90  12:30 - 1:30 pm  
*Pharmacogenomics and Metabolic Side Effects in Schizophrenia*  
Mentor: Vicki Ellingrod, John Gideon Searle Professor of Clinical and Translational Pharmacy, University of Michigan
Ethan Hop  Poster 40  12:30 - 1:30 pm  
*Deploy: Spatial Patterns of Lightweight Landscapes*  
Mentor: Jonathan Rule, Assistant Professor of Practice, Architecture and Urban Planning

Ambria Hopfe  Poster 144  4:00 - 5:00 pm  
*Technology trajectories across the innovation life-cycle*  
Mentor: James Ostler, Assistant Professor, Ross School of Business

Charlotte Hoppen  Poster 124  10:00 - 11:00 am  
*University Responses to Sexual Assault on Campus*  
Mentor: Elizabeth Armstrong, Professor, Departments of Sociology, Organizational Studies, and Women's Studies

Julia Howard  Poster 82  12:30 - 1:30 pm  
*Prospective observational study of individuals with cystic fibrosis*  
Mentor: Lindsay Caverly, Assistant Professor, Pediatric Pulmonary

Rex Hu  Poster 136  4:00 - 5:00 pm  
*Web Programming for New Neuroscience Educational Tool*  
Mentor: Omar Ahmed, Assistant Professor, Psychology

Siang-Siang Huang  Poster 118  10:00 - 11:00 am  
*Uncertainty and Pain Duration*  
Mentor: Darwin Guevarra, Doctoral Candidate, Psychology

Xiaorong Huang  Poster 129  12:30 - 1:30 pm  
*Role of Antiphospholipid antibodies on neutrophil dysfunction and NETs in mice*  
Mentor: Jason Knight, Assistant Professor, Internal Medicine/Rheumatology

Yu-En Huang  Poster 144  9:00 - 10:00 am  
*Characterization of cellular behavior towards cancer progression under mechanical stimuli*  
Mentor: Allen Liu, Assistant Professor, Mechanical Engineering

Ziyang Huang  Poster 160  4:00 - 5:00 pm  
*China in its New Hat: Art Installation, Exhibition and Performance*  
Mentor: Robert Adams, Associate Professor, ARCHITECTURE

Emily Huhman  Poster 148  4:00 - 5:00 pm  
*Youth and critical intersectionality: Coping with power imbalance and encouraging well-being*  
Mentor: Beth Reed, Associate Professor, Women’s Studies LSA

Katherine Hunt  Poster 10  9:00 - 10:00 am  
*PRINT @ STAMPS*  
Mentor: Endi Poskovic, Professor of Art and Design, Stamps School of Art and Design

Mariela Hurtado Garcia  Poster 65  4:00 - 5:00 pm  
*Structure and function modeling of cancer related proteins*  
Mentor: Yang Zhang, Professor, Department of Computational Medicine & Bioinformatics

Syed Hussain  Poster 117  9:00 - 10:00 am  
*Cross-talk between Natural killer cells and dendritic cells in COPD*  
Mentor: Christine Freeman, Research Assistant Professor, Internal Medicine

Stephen Huynh  Poster 135  12:30 - 1:30 pm  
*Structural Investigation of MLL1 H3K4 methyltransferase complex*  
Mentor: Young-Tae Lee, Research Investigator, Pathology
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<tbody>
<tr>
<td>Ammar Ibrahim</td>
<td>Poster 7 3:00 - 4:00 pm</td>
<td>Exposure to Violence Affecting Adult Behaviors</td>
<td>Eric Dubow, Research Professor, ISR-Res Ctr Grp Dynamics</td>
</tr>
<tr>
<td>Christopher Iljas</td>
<td>Poster 18 4:00 - 5:00 pm</td>
<td>Do educational TV programs focused on second language learning actually help?</td>
<td>Twila Tardif, Professor, Psychology</td>
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<tr>
<td>Zainab Imami</td>
<td>Poster 93 12:30 - 1:30 pm</td>
<td>Mixed Methods and Community-Based Participatory Research Methodology</td>
<td>Melissa Dejonckheere, Postdoctoral Research Fellow, Department of Family Medicine</td>
</tr>
<tr>
<td>Mary Intwan</td>
<td>Poster 22 10:00 - 11:00 am</td>
<td>Nuclear Signatures and Digital Pulse Shape Analysis for Homeland Security</td>
<td>Sara Pozzi, Professor, Nuclear Engineering and Radiological Sciences</td>
</tr>
<tr>
<td>Rafik Issa</td>
<td>Poster 35 10:00 - 11:00 am</td>
<td>Characterizing the Role of POT2 in Tetrahymena Chromosome Fragmentation during Programmed Genome Rearrangement</td>
<td>Yifan Liu, Research Assistant Professor, Pathology</td>
</tr>
<tr>
<td>Ruchita Iyer</td>
<td>Poster 7 3:00 - 4:00 pm</td>
<td>Exposure to Violence Affecting Adult Behaviors</td>
<td>Eric Dubow, Research Professor, ISR-Res Ctr Grp Dynamics</td>
</tr>
<tr>
<td>Ayah Issa</td>
<td>Poster 82 3:00 - 4:00 pm</td>
<td>Exploring new sensory mechanisms in model organisms</td>
<td>Adam Iliff, Postdoctoral Fellow, Life Sciences Institute</td>
</tr>
<tr>
<td>Michael Ivey</td>
<td>Poster 51 1:30 - 2:30 pm</td>
<td>Modulation of Pulmonary Host Defenses in Pathogenesis of Chronic Infections</td>
<td>Michal Olszewski, Associate Professor, Internal Medicine, Pulmonary and Critical Care Medicine</td>
</tr>
<tr>
<td>Agnieszka Jachimska</td>
<td>Poster 54 4:00 - 5:00 pm</td>
<td>Investigating the influence of rods and cones on the development of inner retinal photoreception</td>
<td>Kwoon Wong, Assistant Professor, Ophthalmology &amp; Visual Sciences</td>
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<tr>
<td>Madeline Jackson</td>
<td>Poster 66 10:00 - 11:00 am</td>
<td>Investigation of ML355, a selective 12-LOX inhibitor, used as a potential preventative treatment for ITT and HITT</td>
<td>Michael Holinstat, Associate Professor, Pharmacology</td>
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<tr>
<td>Aditi Jagadish</td>
<td>Poster 113 9:00 - 10:00 am</td>
<td>Mechanical and biochemical principles of self-organization in artificial cells using h2b-mcherry</td>
<td>Qiong Yang, Assistant Professor, Biophysics</td>
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<tr>
<td>Name</td>
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<tr>
<td>Sarina Jagetia</td>
<td>Poster 10</td>
<td>3:00 - 4:00 pm</td>
<td><strong>Identifying Learning Outcomes for a Reproductive Justice Curriculum for physicia</strong></td>
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<tr>
<td>Josephine Jakary</td>
<td>Poster 59</td>
<td>12:30 - 1:30 pm</td>
<td><strong>Life Experience Study</strong></td>
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<tr>
<td>Jovan Jande</td>
<td>Poster 73</td>
<td>9:00 - 10:00 am</td>
<td><strong>Stress Resistance and Aging in mice models</strong></td>
</tr>
<tr>
<td>Savannah Jelneck</td>
<td>Poster 102</td>
<td>1:30 - 2:30 pm</td>
<td><strong>To map known and newly defined cell types across the seminiferous tubule.</strong></td>
</tr>
<tr>
<td>Jiahui Ji</td>
<td>Poster 45</td>
<td>10:00 - 11:00 am</td>
<td><strong>Predictors of Drowsy Driving Frequency Among Adolescent Drivers</strong></td>
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<tr>
<td>Daniel Jin</td>
<td>Poster 27</td>
<td>10:00 - 11:00 am</td>
<td><strong>In-vehicle occupant posture tracking using multiple cameras</strong></td>
</tr>
<tr>
<td>Selin Joh</td>
<td>Poster 67</td>
<td>12:30 - 1:30 pm</td>
<td><strong>Identity Integration and Negotiation</strong></td>
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<tr>
<td>Danielle Jahnke</td>
<td>Poster 51</td>
<td>9:00 - 10:00 am</td>
<td><strong>Gender Discrimination in Physician’s Offices, Hospitals, and Surgical Centers</strong></td>
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<tr>
<td>Emily Jameson</td>
<td>Poster 150</td>
<td>9:00 - 10:00 am</td>
<td><strong>The Role of Phenotypic Plasticity and Reproductive Allocation in Plant Invasion</strong></td>
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<tr>
<td>Sajini Jayakody</td>
<td>Poster 116</td>
<td>12:30 - 1:30 pm</td>
<td><strong>Characterizing the significance of mutations in Mismatch Repair (MMR) genes</strong></td>
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<tr>
<td>Amolak Jhand</td>
<td>Poster 97</td>
<td>4:00 - 5:00 pm</td>
<td><strong>University of Michigan Intensive Type 2 Diabetes Program</strong></td>
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<tr>
<td>Cheng Jiang</td>
<td>Poster 102</td>
<td>12:30 - 1:30 pm</td>
<td><strong>Automated Subdural Hematoma Segmentation Using Computer Vision and Machine Learning</strong></td>
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<tr>
<td>Nicholas Jividen</td>
<td>Poster 106</td>
<td>1:30 - 2:30 pm</td>
<td><strong>Role of Cop1-mediated protein degradation during mouse nephrogenesis</strong></td>
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<tr>
<td>Elizabeth John</td>
<td>Poster 74</td>
<td>9:00 - 10:00 am</td>
<td><strong>The Effects of Vitamin D in Breast Milk of Mothers with Co-morbidities on Infant Microbial Diversity</strong></td>
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</table>
Allison Johnson  Poster 30  10:00 - 11:00 am
*Role of type 1 orexin receptors in the PVT on the expression of sign-tracking and goal-tracking in rats*
Mentor: Shelly Flagel, Assistant Professor, Psychiatry/MBNI

Kinsey Johnson  Poster 56  3:00 - 4:00 pm
*MAXI Observations of High Luminosity X-Ray Binaries*
Mentor: Mark Reynolds, Assistant Research Scientist, Astronomy

Arielle Joiner  Poster 1  10:00 - 11:00 am
*Atomic Structure of Molten Rocks at Extreme Conditions*
Mentor: Aaron Wolf, Assistant Research Scientist, Earth and Environmental Sciences

Emily Jones  Poster 32  4:00 - 5:00 pm
*Mental representations of infectious disease: A reverse correlation approach*
Mentor: Nicholas Michalak, Pre-doctoral candidate in social psychology, Psychology

Jamaica Jordan  Poster 86  1:30 - 2:30 pm
*Circadian effects on energy metabolism and glycemia*
Mentor: Katarina Borer, Professor, Movement Science

Shivani Joshi  Poster 147  3:00 - 4:00 pm
*Personalized decision support tool to prevent hospital readmission for patients treated with radical cystectomy*
Mentor: Mariel Laveri-Rodriguez, Associate Professor, Industrial & Operations Engineering

Mina Juma  Poster 34  10:00 - 11:00 am
*Conservation of a special class of transposable element-derived sequences*
Mentor: Yifan Liu, Research Assistant Professor, Pathology

Kaitlyn Johnson  Poster 26  3:00 - 4:00 pm
*Classroom Behavior and Child Development*
Mentor: Rebecca Marks, Graduate Student, Psychology

Ruby Johnson  Poster 31  12:30 - 1:30 pm
*Visualizing Diversity and Equity Data at UM*
Mentor: Joanna Frye, Postdoctoral Research Fellow, ADVANCE Program

Anne-Elizabeth Jones  Poster 118  1:30 - 2:30 pm
*Neurobiology of Vulnerability to Addiction and PTSD*
Mentor: Jonathan Morrow, Assistant Professor, Psychiatry

Zoey Jopling  Poster 62  12:30 - 1:30 pm
*Discrimination and Self-Distancing*
Mentor: Ethan Kross, Professor, Psychology

Amy Joseph  Poster 28  12:30 - 1:30 pm
*Concept Generation and Creativity in Engineering Design*
Mentor: Shanna Daly, Assistant Professor, Mechanical Engineering

Priya Judge  Poster 17  1:30 - 2:30 pm
*Refugee Protection and Asylum Law Project*
Mentor: Sihong Wang, Administrative Specialist, Program in Refugee and Asylum Law

Namrata Kadambi  Poster 58  1:30 - 2:30 pm
*The Role of Sirtuin 5 in Melanoma Cells*
Mentor: David Lombard, Associate Professor, Pathology
Akhila Kadiyala  Poster 3  4:00 - 5:00 pm
*Development economics and research on India*
Mentor: Alexander Persaud, Doctoral Candidate, Economics

Alexandra Kalabat  Poster 58  4:00 - 5:00 pm
*HPV-related Oropharyngeal Carcinogenesis*
Mentor: Rafael Meza Rodriguez, Assistant Professor, Epidemiology

Vijita Ajit Kamath  Poster 42  3:00 - 4:00 pm
*Can Seattle's market sustain the entry of another sports team?*
Mentor: Mark Rosentraub, Professor, Sport Management/Center for Sport and Policy

Ji Soo Kang  Poster 137  10:00 - 11:00 am
*Party in the Street - Emotions and Activism*
Mentor: Michael Heaney, Assistant Professor, Organizational Studies and Political Science

Anna-Maria Kaparos  Poster 121  9:00 - 10:00 am
*Expression of Induced Pluripotent Stem Cells Related Genes in Gliomas*
Mentor: Xing Fan, Associate Professor, Neurosurgery and Cell and Developmental Biology

Sinmisola Kareem  Poster 10  12:30 - 1:30 pm
*Robots and Accessibility*
Mentor: Walter Lasecki, Assistant Professor, Computer Science and Engineering

Hadi Katebi  Poster 22  3:00 - 4:00 pm
*The Vilification of the Working Class*
Mentor: Blake Ebright, Graduate Student, Psychology

Daniel Kaiser  Poster 2  10:00 - 11:00 am
*An Investigation into Combinatorial Equivalents of the Maximum Distance Separable Conjecture*
Mentor: Steven Damelin, Dr, Associate Editor., Affiliated to Mathematics Department

Haley Kalis  Poster 78  10:00 - 11:00 am
*YOLO, or save it for the home stretch?: Parental strategy in crickets*
Mentor: Katherine Crocker, Graduate Student, Ecology and Evolutionary Biology

Gauri Kambhatla  Poster 17  12:30 - 1:30 pm
*Digital phantoms for improving quantitative nuclear medicine imaging*
Mentor: Yuni Dewaraja, Research Professor, Radiology Division of Nuclear Medicine

Palash Kanwar  Poster 25  9:00 - 10:00 am
*Assessing Sustainability Initiatives*
Mentor: Keith Soster, Director of Student Engagement, Michigan Dining, Student Life

Nikit Kapila  Poster 49  1:30 - 2:30 pm
*Does Dyssynergic Defecation Impact Colonic Pressure Profiles*
Mentor: Jason Baker, Technical Director of the GI Physiology Laboratory, Internal Medicine – Gastroenterology

Lauren Kasmikha  Poster 80  1:30 - 2:30 pm
*Exploring Novel Interventions to Improve Adherence Among Children with Cystic Fibrosis*
Mentor: Samya Nasr, Professor of Pediatrics, Pediatric Pulmonary

Orly Katz  Poster 56  10:00 - 11:00 am
*Catheter-Microbiome Derived Inflammation In Dialysis Patients*
Mentor: Amy Pai, Associate Professor, Clinical Pharmacy
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<tr>
<td>Mac coy Kauffman</td>
<td>Poster 27</td>
<td>9:00 - 10:00 am</td>
<td>Rethinking China’s Governance: A Legal Perspective on Business and Human Rights</td>
<td>Mentor: Theresa Kaiser-Jarvis, Assistant Dean for International Affairs, Center for Comparative &amp; International Law</td>
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<tr>
<td>Shankar Kaushal</td>
<td>Poster 130</td>
<td>9:00 - 10:00 am</td>
<td>Development of an improved grip system for mechanical tests of the anterior cruciate ligament</td>
<td>Mentor: Callan Luetkemeyer, Graduate student, Mechanical Engineering</td>
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<tr>
<td>Michael Keller</td>
<td>Poster 140</td>
<td>10:00 - 11:00 am</td>
<td>Elections Around the World: The Constituency Level Election Archive</td>
<td>Mentor: Allen Hicken, Associate Professor, Political Science</td>
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<tr>
<td>Olesia Kellezi</td>
<td>Poster 71</td>
<td>9:00 - 10:00 am</td>
<td>Obesity masking soft tissue sarcoma growth</td>
<td>Mentor: Geoffrey Siegel, Assistant Professor, Orthopaedic Surgery</td>
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<td>Abigail Kennedy</td>
<td>Poster 104</td>
<td>10:00 - 11:00 am</td>
<td>Study of New Line Cinema</td>
<td>Mentor: Daniel Herbert, Associate Professor, Screen Arts &amp; Cultures</td>
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<tr>
<td>Megan Kerr</td>
<td>Poster 8</td>
<td>3:00 - 4:00 pm</td>
<td>Using Social Media to Understand Violence in the Community</td>
<td>Mentor: Eric Dubow, Research Professor, ISR-Res Ctr Grp Dynamics</td>
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<tr>
<td>Alicia Kevelin</td>
<td>Poster 108</td>
<td>12:30 - 1:30 pm</td>
<td>Optimizing T Cell-Based Approaches to Cancer Immunotherapy</td>
<td>Mentor: Clifford Cho, C Gardner Child Professor of Surgery and Professor of Surgery, Medical, General Surgery</td>
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<tr>
<td>Simranjit Kaur</td>
<td>Poster 33</td>
<td>10:00 - 11:00 am</td>
<td>Pax2-gen roles on ovarian cancer origin</td>
<td>Mentor: Abdulsalam Soofi, Research Lab Specialist Senior, Pathology</td>
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<tr>
<td>Ciara Keegan</td>
<td>Poster 105</td>
<td>12:30 - 1:30 pm</td>
<td>Assessing Risk for Preterm Birth: Vaginal pH and Psychosocial Stress</td>
<td>Mentor: Kimberly Mckee, Research Fellow, Family Medicine</td>
</tr>
<tr>
<td>Michael Keller</td>
<td>Poster 140</td>
<td>10:00 - 11:00 am</td>
<td>Elections Around the World: The Constituency Level Election Archive</td>
<td>Mentor: Allen Hicken, Associate Professor, Political Science</td>
</tr>
<tr>
<td>Kristen Kelley</td>
<td>Poster 69</td>
<td>4:00 - 5:00 pm</td>
<td>Skull Morphogenesis with various Gene Mutations</td>
<td>Mentor: Yuji Mishina, Professor, Biological and Material Sciences</td>
</tr>
<tr>
<td>Colby Kelln</td>
<td>Poster 103</td>
<td>10:00 - 11:00 am</td>
<td>Second Looks: How Remembering Creates Stories</td>
<td>Mentor: Elizabeth Goodenough, Lecturer IV in Arts and Ideas, Residential College, Residential College</td>
</tr>
<tr>
<td>Killian Kerr</td>
<td>Poster 135</td>
<td>1:30 - 2:30 pm</td>
<td>Impact of PAMAM Dendrimer Surface Functionalization on the Uptake in the Cell</td>
<td>Mentor: Somnath Bhattacharjee, Research Investigator, Chemistry, Biomedical Engineering, Biochemistry</td>
</tr>
<tr>
<td>Courtney Kessler</td>
<td>Poster 63</td>
<td>1:30 - 2:30 pm</td>
<td>Stress Biomarkers Study: The Effects of Sleep Quality and Quantity on Cortisol Awakening Response</td>
<td>Mentor: Hedieh Briggs, Program Manager, Psychiatry</td>
</tr>
<tr>
<td>Raheida Khalique</td>
<td>Poster 14</td>
<td>10:00 - 11:00 am</td>
<td>Memory Application Based on Emerging 2D Semiconductors</td>
<td>Mentor: Xiaogan Liang, Assistant Professor, Mechanical Engineering</td>
</tr>
</tbody>
</table>
Afeefah Khan  Poster 64  9:00 - 10:00 am
*Food & Fitness*
Mentor: Laurie Lachance, Evaluation Director/Associate Research Scientist, Center for Managing Chronic Disease/ Health Behavior and Health Education

Luthfor Khan  Poster 128  9:00 - 10:00 am
*Sensorimotor assessment of stroke patients*
Mentor: Bernard Martin, Associate Professor, IOE

Ayesha Khanam  Poster 94  4:00 - 5:00 pm
*Geographical Prevalence of Observed Bacteria in Our Six Nursing Homes*
Mentor: Lona Mody, Associate Professor, Division of Geriatrics, Internal Medicine and Geriatrics

Reem Khatib  Poster 86  12:30 - 1:30 pm
*Michigan Alzheimer's Disease Center*
Mentor: Bruno Giordani, Professor; Chief Psychologist, Psychiatry/Neurology/Psychology/School of Nursing

Christina Khouri  Poster 34  9:00 - 10:00 am
*Interactive Anatomy-augmented Virtual Simulation Training*
Mentor: Michelle Aebersold, Clinical Associate Professor, Nursing

Angela Killian  Poster 24  9:00 - 10:00 am
*Using Others' Emotion Expressions as a Context Clue to Empathize*
Mentor: Joshua Wondra, Doctoral Candidate, Psychology

Brendan Killian  Poster 43  4:00 - 5:00 pm
*Satisficing behavior in survey research*
Mentor: Mengyao Hu, PhD candidate, Survey Methodology Program, Institute for Social Research

Kevin Killian  Poster 20  4:00 - 5:00 pm
*Meaningful Work Relationships: Do Income and Subjective Happiness Play a Role?*
Mentor: Elizabeth Yu, Graduate Student, Psychology

Benjamin Kim  Poster 28  1:30 - 2:30 pm
*Proposals for Positive Business Practices*
Mentor: Cindy Schipani, Professor, Business Law

Clara Kim  Poster 117  1:30 - 2:30 pm
*Characterization of SENP1 and Mutants and Discovery of Potential Inhibitors*
Mentor: Jorge Iniguez-Lluhi, Associate Professor, Pharmacology

Daniel Kim  Poster 26  4:00 - 5:00 pm
*English Soccer Club Financial Accounts*
Mentor: Stefan Szymanski, Professor, Sports Management

Jane Kim  Poster 12  4:00 - 5:00 pm
*Constructing 'Digital' Safeguards: A project on cyber laws and regulations*
Mentor: Nadiya Kostyuk, Graduate student, Political Science and Public Policy

Nicole Kim  Poster 105  4:00 - 5:00 pm
*Sestrins at the crossroad between stress and aging*
Mentor: Jun Hee Lee, Assistant Professor, Molecular & Integrative Physiology

Sophia Kim  Poster 120  10:00 - 11:00 am
*Researching Human Rights*
Mentor: Christian Davenport, Professor, Center for Political Studies
Benjamin King  Poster 65  9:00 - 10:00 am  
**Health risks of tobacco smoke versus electronic cigarette**  
Mentor: Abhijit Ghosh, Research Investigator, Depart of Vascular Surgery (Jobst Lab)

Anna Kittendorf  Poster 119  1:30 - 2:30 pm  
**Brain mechanisms underlying individual differences in sustained attention**  
Mentor: Youngsoo Kim, Assistant Research Scientist, Psychology

Aubrey Klein  Poster 17  9:00 - 10:00 am  
**Education Beyond Access: Undocumented, DACAmented and Immigrant Students**  
Mentor: Betty Overton-Adkins, Clinical Professor, Center for the Study of Higher and Postsecondary Education

Carleigh Klusman  Poster 128  3:00 - 4:00 pm  
**Type 1 Diabetes: Pathways to Prevention**  
Mentor: Inas Thomas, Assistant Professor of Pediatrics and Communicable Diseases, Endocrinology-Pediatrics

Tc Knowles  Poster 153  9:00 - 10:00 am  
**Coffee Rust Dynamics in Southern Mexico**  
Mentor: John Vandermeer, Arthur F Thurnau Professor, Asa Grey Distinguished University Professo, Ecology and Evolutionary Biology

Jessica Kolbe  Poster 52  1:30 - 2:30 pm  
**CD4+ T cells are necessary to control infection but contribute to mortality during Cryptococcus neoformans CNS infection**  
Mentor: Michal Olszewski, Associate Professor, Internal Medicine, Pulmonary and Critical Care Medicine

Shreya Koushik  Poster 87  1:30 - 2:30 pm  
**Influence of diet and exercise on bone growth**  
Mentor: Katarina Borer, Professor, Movement Science

Sierra Kirks-Cler  Poster 95  10:00 - 11:00 am  
**Prison Creative Arts Project Impact**  
Mentor: Ashley Lucas, Associate Professor, Theatre & Drama and Residential College

Courtney Klee  Poster 3  1:30 - 2:30 pm  
**Bizarre Bazaar: Marketplaces in Post-Soviet spaces**  
Mentor: Ashley Bigham, Lecturer, Architecture

Ethan Klobucar  Poster 87  3:00 - 4:00 pm  
**Cell-ECM interactions in bone**  
Mentor: Andrea Alford, Research Assistant Professor, Orthopaedic Surgery

Edward Knighton II  Poster 34  1:30 - 2:30 pm  
**Sales, Sourcing, or Regulatory Demands? Evidence from the TPP on What Drives Corporate Support for Trade**  
Mentor: Iain Osgood, Assistant Professor, Political Science

Sydney Koh  Poster 16  3:00 - 4:00 pm  
**Who Makes International Human Rights Law?**  
Mentor: Kevin Cope, Grotius Research Scholar; PhD Pre-Candidate, Political Science, Political Science

Rachel Koshko  Poster 153  10:00 - 11:00 am  
**Psychosocial Adjustment of Obese Youth in a Weight Management Program**  
Mentor: Bethany Sallinen, Clinical Associate Professor, Pediatrics

Emily Krebs  Poster 62  10:00 - 11:00 am  
**Stress response pathways in aging**  
Mentor: Scott Leiser, Assistant Professor, Molecular and integrative Physiology
Ilina Krishen  Poster 135  10:00 - 11:00 am  
*Party in the Streets*  
Mentor: Michael Heaney, Assistant Professor, Organizational Studies and Political Science

Vladimir Krokham  Poster 21  10:00 - 11:00 am  
*Design and Drafting of Flexible Piezoelectric Microrobots and Microactuators*  
Mentor: Kenn Oldham, Associate Professor of Mechanical Engineering, Mechanical Engineering

Natasa Krstevski  Poster 17  3:00 - 4:00 pm  
*Who Makes International Human Rights Law?*  
Mentor: Kevin Cope, Grotius Research Scholar; PhD Pre-Candidate, Political Science, Political Science

Kathryn Kugler  Poster 9  4:00 - 5:00 pm  
*The Progressive Era Lobby and Constitutional Reform*  
Mentor: James Strickland, Doctoral student, Political Science

Erin Kulik  Poster 57  1:30 - 2:30 pm  
*Telemedicine*  
Mentor: Christine Nelson, Section Chief, Eye Plastic, Orbital and Reconstructive Surgery, Ophthalmology

Rhea Kulkarni  Poster 42  1:30 - 2:30 pm  
*Improving Mobile Multi-Device Interaction In Cars*  
Mentor: Michael Nebeling, Assistant Professor, School of Information

Emily Kusulas  Poster 144  3:00 - 4:00 pm  
*Vibration Testing on Very Flexible Structures*  
Mentor: Carlos Cesnik, Professor, Aerospace Engineering

Alexandra LaHaie  Poster 81  3:00 - 4:00 pm  
*Exploring new sensory mechanisms in model organisms*  
Mentor: Adam Iliff, Postdoctoral Fellow, Life Sciences Institute

Jamie Lai  Poster 105  10:00 - 11:00 am  
*Study of New Line Cinema*  
Mentor: Daniel Herbert, Associate Professor, Screen Arts & Cultures

Ryan Lakin  Poster 14  1:30 - 2:30 pm  
*Visualizing Women's Work*  
Mentor: Melanie Manos, Lecturer II, Stamps School of Art & Design

Chyanne Laldee  Poster 93  3:00 - 4:00 pm  
*Role of fibulins in heart development*  
Mentor: Mark Russell, Professor, Pediatrics

Tina Lam  Poster 50  1:30 - 2:30 pm  
*Effects of Diet and Genetic Factor on Gut Dysbiosis in IBS*  
Mentor: Danielle Turgeon, Professor of Internal Medicine, Internal Medicine - Gastroenterology

Huagang Lan  Poster 14  9:00 - 10:00 am  
*Attributes of Chinese State Capitalism in China's Capital Markets*  
Mentor: Theresa Kaiser-Jarvis, Assistant Dean for International Affairs, Center for Comparative & International Law

Sean Lang  Poster 79  1:30 - 2:30 pm  
*Electrocardiomatrix (ECM) for Cardiac Arrhythmia Detection*  
Mentor: Jimo Borjigin, Associate Professor, Molecular & Integrative Physiology
Sophee Langerman  Poster 129  3:00 - 4:00 pm
Developing MHealth Technologies for promoting self-management of HIV
Mentor: Massy Mutumba, Research Fellow, Health Behavior and Biological Sciences

Valentina Larrivey  Poster 84  12:30 - 1:30 pm
Computerized Cognitive Rehabilitation Therapy in Children with Cerebral Malaria and Severe Malaria Anemia in Africa
Mentor: Bruno Giordani, Professor; Chief Psychologist, Psychiatry/Neurology/Psychology/School of Nursing

Tommy Lau  Poster 43  1:30 - 2:30 pm
Prevalence of Diabetes among Chinese and Chinese American
Mentor: Janilla Lee, Research Specialist, Program for Multicultural Health, UMHS

Camryn LaVelle  Poster 50  4:00 - 5:00 pm
Obtaining Neural Targets of Anxiety in Young Children
Mentor: Kate Fitzgerald, Associate Assistant Professor, Psychiatry

Ashley Lee  Poster 27  12:30 - 1:30 pm
Concept Generation and Creativity in Engineering Design
Mentor: Shanna Daly, Assistant Professor, Mechanical Engineering

Maurngan Lee  Poster 87  12:30 - 1:30 pm
Discipline Differences in Understanding of Malarial Effects on Cognition within the School Setting.
Mentor: Bruno Giordani, Professor; Chief Psychologist, Psychiatry/Neurology/Psychology/School of Nursing

Youna Lee  Poster 60  1:30 - 2:30 pm
Managing disorders of sex development in the medical home: Primary care providers’ experiences
Mentor: David Sandberg, Professor, Pediatrics

Lillian Lantis  Poster 4  12:30 - 1:30 pm
Rainwater Harvesting Processes
Mentor: Jong-Jin Kim, Associate Professor, Architecture + Urban Planning

Jerry Lau  Poster 79  4:00 - 5:00 pm
Brain and Behavioral Differences in Obesity Prone and Obesity Resistant Animals
Mentor: Rifka Derman, Research Assistant, Neuroscience Graduate Program

Will Laughner  Poster 3  12:30 - 1:30 pm
Feasibility of Rainwater Harvesting in the United States
Mentor: Jong-Jin Kim, Associate Professor, Architecture + Urban Planning

Andrea Laverty  Poster 114  10:00 - 11:00 am
Images of an Immigrant Nation: Portrayals of Immigrants in the Mass Media
Mentor: Ted Brader, Professor, Political Science

Corrina Lee  Poster 5  4:00 - 5:00 pm
The Defense Manufacturing Assistance Program (DMAP)
Mentor: Lawrence Molnar, Research Sponsor, Institute for Research on Labor, Employment, and the Economy

Sophie Lee  Poster 15  3:00 - 4:00 pm
Who Makes International Human Rights Law?
Mentor: Kevin Cope, Grotius Research Scholar; PhD Pre-Candidate, Political Science, Political Science

Erin Leney  Poster 31  3:00 - 4:00 pm
Journalistic Reliance on Twitter and News Representations of Latinos and Blacks
Mentor: Alejandro Pineda, Graduate Student, Political Science
Alexa Leon    Poster 124    4:00 - 5:00 pm
*Measuring diversity of amphibians across different habitats*
Mentor: Rudolf von May, Postdoctoral Research Fellow, Ecology and Evolutionary Biology

Emily Levy    Poster 126    10:00 - 11:00 am
*University Responses to Sexual Assault on Campus*
Mentor: Elizabeth Armstrong, Professor, Departments of Sociology, Organizational Studies, and Women's Studies

Hannah Levy    Poster 124    12:30 - 1:30 pm
*Evaluation of the Diabetes Prevention Program*
Mentor: Laura McEwen, Statistician Intermediate, Internal Medicine - Metabolism, Endocrinology, and Diabetes

Jordan Lewis    Poster 89    12:30 - 1:30 pm
*Blood Flow Restriction Training to Improve Muscle Function in ACL Patients*
Mentor: Riann Smith, Associate Professor, School of Kinesiology

Megan Lewis    Poster 113    3:00 - 4:00 pm
*Assessment of Balance in Individuals with Peripheral Nerve Injury*
Mentor: Susan Brown, Associate Professor, Movement Science, School of Kinesiology

Rose Lewis    Poster 47    1:30 - 2:30 pm
*Characterization of Cofactor Loading onto the Radical B12 Enzyme IcmF*
Mentor: Ruma Banerjee, Vincent Massey Collegiate Professor of Biochemistry, Biological Chemistry

Adam Ley    Poster 62    4:00 - 5:00 pm
*Structure and function prediction of G protein-coupled receptor*
Mentor: Yang Zhang, Professor, Department of Computational Medicine & Bioinformatics

Chengxi Li    Poster 111    10:00 - 11:00 am
*Using Machine Learning to Understand Political Violence*
Mentor: Christian Davenport, Professor, Center for Political Studies

Jacky Li    Poster 151    1:30 - 2:30 pm
*Solid-State Batteries based on solid lithium garnet electrolyte (LLZO)*
Mentor: Jeff Sakamoto, Associate Professor, Mechanical Engineering

Jiaqi Li    Poster 136    3:00 - 4:00 pm
*Retrospective Database of Patients with Metastatic Bladder Cancer*
Mentor: Sarah Yentz, Hematology-Oncology Fellow, Oncology

Jillian Li    Poster 106    10:00 - 11:00 am
*The River in Our City: The River in Our Veins*
Mentor: Christianne Myers, Assoc. Prof Theatre & Drama, costume design, Theatre & Drama

Sophia Li    Poster 37    4:00 - 5:00 pm
*Development and Validation of the West Is The Best and East Is The Best Scale*
Mentor: Kaidi Wu, Principal Research Investigator, Psychology

Yicheng Li    Poster 47    3:00 - 4:00 pm
*Christians of the Middle East: Critical Approaches*
Mentor: Hakem Al-Rustom, Assistant Professor, History

Eunice Lim    Poster 80    12:30 - 1:30 pm
*Limb Perfusion to Extend Allograft Viability in Rat*
Mentor: Christopher Mendias, Associate Professor, Orthopaedic Surgery
Ellaina Lin  Poster 22  4:00 - 5:00 pm  
*Competitive Situation Assessment*  
Mentor: Zachary Reese, Ph.D. Student, Social Psychology

Muzi Lin  Poster 25  3:00 - 4:00 pm  
*The Transition to Fatherhood: Examination of Men’s Expectations and Preparations*  
Mentor: Shawna Lee, Associate Professor, School of Social Work

Emily Lin  Poster 88  10:00 - 11:00 am  
*Ecological diversity of mammals as indicators of climate*  
Mentor: Catherine Badgley, Associate Professor, Ecology & Evolutionary Biology

Sendy Lin  Poster 85  9:00 - 10:00 am  
*Language outcomes after intensive treatment*  
Mentor: Carol Persad, Associate Professor, Psychiatry-Neuropsychology

Yeoyang Lin  Poster 92  12:30 - 1:30 pm  
*Monitoring heart status by image processing techniques*  
Mentor: Kayvan Najarian, Associate Professor, Computational Medicine and Bioinformatics

Yu-Chen Lin  Poster 93  9:00 - 10:00 am  
*Origin of arterial intimal hyperplasia*  
Mentor: Tom Kerppola, Professor, Biological Chemistry

Yeqing Lin  Poster 11  10:00 - 11:00 am  
*Reinventing Mobility and Public Urban Transportation - Micro Simulation*  
Mentor: Pascal Van Hentenryck, Seth Bonder Collegiate Professor of Engineering, Industrial and Operations Engineering

Mengbo Liu  Poster 41  4:00 - 5:00 pm  
*How autonomous vehicle technology will transform the automotive industry*  
Mentor: Xun Wu, Associate Professor of Strategy, Strategy

Letty Loeza  Poster 14  12:30 - 1:30 pm  
*Modeling bubble dynamics in soft tissue*  
Mentor: Eric Johnsen, Assistant Professor, Mechanical Engineering

Alexander London  Poster 85  10:00 - 11:00 am  
*Detecting earthquakes near active oil and gas fields*  
Mentor: Yihe Huang, Assistant professor, Earth and Environmental Sciences

Abigail Lorencz  Poster 34  12:30 - 1:30 pm  
*Shaped Places of New Hampshire*  
Mentor: McLain Clutter, Associate Professor, Architecture

Edward Lopez  Poster 159  3:00 - 4:00 pm  
*The Use of Bi-Static Radar to Analyze Martian Soil Properties*  
Mentor: Nilton Renno, Professor, CLASP

Devon Lovegrove  Poster 36  4:00 - 5:00 pm  
*The Frequency Illusion*  
Mentor: Kaidi Wu, Principal Research Investigator, Psychology
<table>
<thead>
<tr>
<th>Poster #</th>
<th>Poster Title</th>
<th>Time</th>
<th>Overview</th>
</tr>
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<tbody>
<tr>
<td>67</td>
<td>Sydney Lovins</td>
<td>1:30 - 2:30 pm</td>
<td>Sports Science and Analytics- data acquisition and appraisal</td>
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<td>Mentor: Michael Hickey, Staff Athletic Trainer, Student Athlete Health &amp; Welfare/Athletics Department</td>
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<tr>
<td>149</td>
<td>Jack Lucci</td>
<td>1:30 - 2:30 pm</td>
<td>Engineering conduits for nerve regeneration</td>
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<td>Mentor: Jeff Sakamoto, Associate Professor, Mechanical Engineering</td>
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<tr>
<td>127</td>
<td>Eliza Lugten</td>
<td>1:30 - 2:30 pm</td>
<td>Functional Assessment of Fish in Coastal Wetlands</td>
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<td>Mentor: Jeff Schaeffer, Research Fishery Biologist, USGS Great Lakes Science Center</td>
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<tr>
<td>120</td>
<td>Lindsay Ma</td>
<td>1:30 - 2:30 pm</td>
<td>Optimization Of A Small Scale, PDMS Microfluidic Artificial Lung</td>
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<td>Mentor: Joseph Potkay, Research Assistant, VA Medical Center &amp; UM Surgery</td>
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<td>128</td>
<td>Claire Ma</td>
<td>4:00 - 5:00 pm</td>
<td>Ecological Impact of Large-Scale Land Transactions in Ethiopia</td>
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<td>Mentor: Arun Agrawal, Professor, International Forestry Resources &amp; Institutions</td>
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<tr>
<td>155</td>
<td>Rana Makki</td>
<td>1:30 - 2:30 pm</td>
<td>Web based quality control and test interface</td>
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<td>Mentor: Michael Schubnell, Research Scientist, Physics</td>
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<td>10</td>
<td>Moiz Mahmood</td>
<td>1:30 - 2:30 pm</td>
<td>Second language oral production &amp; cognition</td>
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<td>Mentor: Lorenzo Garcia-Amaya, Assistant Professor, Romance Languages and Literatures</td>
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<tr>
<td>84</td>
<td>Ellie Makoul</td>
<td>1:30 - 2:30 pm</td>
<td>Effect of low-carbohydrate diet on postprandial insulin responses</td>
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<td>Mentor: Katarina Borer, Professor, Movement Science</td>
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<tr>
<td>127</td>
<td>Amira Malik</td>
<td>3:00 - 4:00 pm</td>
<td>Men’s health and intimate partner violence: analyzing interviews about behavior</td>
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<td>Mentor: Vijay Singh, Clinical Lecturer, Emergency Medicine, Internal Medicine, Family Medicine</td>
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<tr>
<td>115</td>
<td>Mariam Maksutova</td>
<td>12:30 - 1:30 pm</td>
<td>Developing a knock-in cell line to characterize the significance of mutations in Mismatch Repair (MMR) genes</td>
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<td>Mentor: Xiaoyan Jia, postdoctoral fellow, Human Genetics</td>
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<tr>
<td>13</td>
<td>Matthew Mallozzi</td>
<td>4:00 - 5:00 pm</td>
<td>Squirrel population density and stress levels</td>
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<td>Mentor: Ben Dantzer, Assistant Professor, Psychology</td>
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</tbody>
</table>
Madeline Malone  Poster 97  3:00 - 4:00 pm  
*Neural mechanisms of reward and movement*  
Mentor: J Aldridge, Professor, Psychology

Nishitha Malugari  Poster 95  4:00 - 5:00 pm  
*Sex-Steroids in Aging Women: the Role of the Adrenal Gland*  
Mentor: Adina Turcu, Assistant Professor, Internal medicine/Endocrinology (MEND)

Alexandra Manaila  Poster 108  1:30 - 2:30 pm  
*The Development of a Tagged TET2 Construct to Test the role of TET2 in T Cells*  
Mentor: Shannon Carty, Assistant Professor, Internal Medicine-Hematology/Oncology

Joseph Mancina  Poster 107  10:00 - 11:00 am  
*Comparative Political Parties and Party Systems*  
Mentor: Allen Hicken, Associate Professor, Political Science

Sophia Manduca  Poster 105  9:00 - 10:00 am  
*A confluent grammar of rare coding and common regulatory genetic variations that encode diabetes predisposition*  
Mentor: Stephen Parker, Assistant Professor, Computational Medicine and Bioinformatics, Human Genetics

Dim Mang  Poster 107  10:00 - 11:00 am  
*Comparative Political Parties and Party Systems*  
Mentor: Allen Hicken, Associate Professor, Political Science

Nicole Manga  Poster 77  12:30 - 1:30 pm  
*Psychosocial / behavioral aspects of oral health*  
Mentor: Marita Inglehart, Professor, Periodontics and Oral Medicine

Alexandra Mangus  Poster 90  10:00 - 11:00 am  
*Carceral State Project*  
Mentor: Heather Thompson, Professor of History, DAAS and RC

Ariana Mann  Poster 109  10:00 - 11:00 am  
*Matching Survey and Big Data to Link Child Outcomes to Housing Characteristic*  
Mentor: Fabian Pfeffer, Assistant Professor, Institute for Social Research

Gabriel Mann  Poster 115  10:00 - 11:00 am  
*Images of an Immigrant Nation: Portrayals of Immigrants in the Mass Media*  
Mentor: Ted Brader, Professor, Political Science

Jenna Manske  Poster 145  10:00 - 11:00 am  
*Importance must be salient for heaviness to increase impressions of importance*  
Mentor: Phoebe Ellsworth, Professor, Psychology

Anthony Mansour  Poster 100  9:00 - 10:00 am  
*Marijuana Use and Anxiety and/or Depression Among Emerging Adults in the ER*  
Mentor: Erin Bonar, Assistant Professor, Psychiatry

Brianna Mariotti  Poster 47  10:00 - 11:00 am  
*The Effect of Parental Monitoring and Involvement on Adolescent Alcohol Use*  
Mentor: Daniel Keating, Professor, ISR

Rishik Marneni  Poster 137  12:30 - 1:30 pm  
*ELISA analysis of cancer cell lines after differential pressure application.*  
Mentor: Evan Keller, Professor, Urology
Riley Marshall  Poster 33  4:00 - 5:00 pm
Perceptions & Prejudice: Women in the Workplace
Mentor: Emily Vargas, Graduate Student, Psychology

Anthony Martinez  Poster 49  12:30 - 1:30 pm
Elections 2016: Why Do They Like That Candidate?
Mentor: Dam Hee Kim, Doctoral Candidate, Communication Studies

Nicholas Martire  Poster 125  10:00 - 11:00 am
University Responses to Sexual Assault on Campus
Mentor: Elizabeth Armstrong, Professor, Departments of Sociology, Organizational Studies, and Women's Studies

Sarah Mason  Poster 36  9:00 - 10:00 am
Children's Use of Quantitative Reasoning in Sharing
Mentor: Jennifer Bullen, Graduate Student, Psychology

Elizabeth Mathews  Poster 23  1:30 - 2:30 pm
The Probate Project
Mentor: James Hines Jr, Richard A. Musgrave Collegiate Professor, Economics

Wael Matta  Poster 133  12:30 - 1:30 pm
Selective neurodegeneration in the mouse model of DYT1 dystonia
Mentor: Chun-Chi Liang, Research Investigator, Neurology

Gabriel Matute Escobar  Poster 8  12:30 - 1:30 pm
CodePort: Providing Personalized Coding Support by Leveraging Relevant Information
Mentor: Walter Lasecki, Assistant Professor, Computer Science and Engineering

John McCarthy  Poster 70  1:30 - 2:30 pm
Evaluating Novel Cancer Drugs and Drug Delivery in Preclinical Studies
Mentor: Mark Cohen, Assoc. Chair in Surgery, Assoc Prof of Surgery & Pharmacology, Surgery

Liam McDevitt  Poster 100  1:30 - 2:30 pm
Vitamin B12 in Human Health and Disease
Mentor: Ruma Banerjee, Vincent Massey Collegiate Professor of Biochemistry, Biological Chemistry

Nikolai McFall  Poster 30  12:30 - 1:30 pm
High throughput data analysis for metabolite identification
Mentor: Siwei Li, Postdoctoral research fellow, Pharmaceutical Sciences

Ryan Mcginnis  Poster 116  4:00 - 5:00 pm
Beta-Glucosidase Activity with Fluorescent Markers
Mentor: E Neil Marsh, Professor, Chemistry

Bennet McGlade  Poster 141  1:30 - 2:30 pm
Effects of Molding Pressure on the Mechanical Properties of 75Li2S-25P2S5 Solid Electrolyte Pellets
Mentor: Jeff Sakamoto, Associate Professor, Mechanical Engineering

Jordan Mckaig  Poster 108  9:00 - 10:00 am
Antibiotic resistance evolution
Mentor: Robert Woods, Assistant Professor of Medicine, Internal Medicine - Infectious Diseases

Rachael McLellan  Poster 139  1:30 - 2:30 pm
Wireless Indoor Location Device (WILD) Learning System
Mentor: Perry Samson, Professor, Climate & Space Sciences & Engineering
Sean McLoughlin  Poster 6  12:30 - 1:30 pm
*Developing Bicompartmental Nanoparticles for Drug Delivery Applications*
Mentor: Joerg Lahann, Professor, Chemical Engineering

Natalie McMyn  Poster 51  10:00 - 11:00 am
*Functional mapping of the dengue virus genome*
Mentor: Andrew Tai, Assistant Professor, Internal Medicine

Molly McNeely  Poster 85  4:00 - 5:00 pm
*Facial nerve reanimation*
Mentor: Fan Liang, Craniofacial Fellow, Plastic Surgery

Sophia Mcpherson  Poster 113  10:00 - 11:00 am
*Movies & Television as Pedagogy for Teaching Business & Leadership*
Mentor: Lynn Wooten, Clinica Professor, Management/Strategy

Hannah McQueen  Poster 83  9:00 - 10:00 am
*Adventures in Neuropsychology*
Mentor: Nicolette Gabel, Assistant Professor, Physical Medicine and Rehabilitation

Mitchell Mead  Poster 75  10:00 - 11:00 am
*Pathogenesis of Autoimmune Retinopathy*
Mentor: Steven Lundy, Research Associate Professor, Internal Medicine-Rheumatology

Bryan Meade  Poster 25  12:30 - 1:30 pm
*Modeling the Arterial Tree of the Left Arm*
Mentor: Kayvan Najarian, Associate Professor, Computational Medicine and Bioinformatics

Alexis Megdanoff  Poster 35  1:30 - 2:30 pm
*Engaging the International Economy: Firms and the Politics of Trade and FDI*
Mentor: Iain Osgood, Assistant Professor, Political Science

Nicholas Melekian  Poster 65  3:00 - 4:00 pm
*Characterization of Silicon Photomultipliers for the sPHENIX Calorimeters*
Mentor: Michael Skoby, Postdoctoral Research Fellow, Physics

Dilara Meli  Poster 142  3:00 - 4:00 pm
*Complication and Revision Rates in Neonatal Circumcisions Performed by Non-Urologists*
Mentor: Adam Eickmeyer, Research Director, Pediatric Urology, Urology

Keith-Allen Melong  Poster 58  1:30 - 2:30 pm
*The role of sirtuin 5 in melanoma cells*
Mentor: David Lombard, Associate Professor, Pathology

Arthur Mengozzi  Poster 152  4:00 - 5:00 pm
*Idioms and speaker’s knowledge of structure-building in natural language*
Mentor: Acrisio Pires, Professor, Linguistics

Kelsey Merritt  Poster 61  9:00 - 10:00 am
*Mexican Exposures: Bio-Ethnography with Six Mexican Families*
Mentor: Elizabeth Roberts, Associate Professor, Anthropology

Eric Mettetal  Poster 83  1:30 - 2:30 pm
*Exercise’s Ability to Counteract the Loss of Bone Mineral that Occurs with Food Restriction*
Mentor: Katarina Borer, Professor, Movement Science
Reduced glucose response to low-carbohydrate diet
Mentor: Katarina Borer, Professor, Movement Science

Methods Matter: Polygenic Score x Environment Interactions
Mentor: Colter Mitchell, Research Assistant Professor, Institute for Social Research

Localization of dolphins in a managed environment
Mentor: Kira Barton, Assistant Professor, Mechanical Engineering

Seeding the Future in Children’s Literature and Film
Mentor: Elizabeth Goodenough, Lecturer IV in Arts and Ideas, Residential College, Residential College

Human Rights/Refugee Protection Project
Mentor: Sihong Wang, Administrative Specialist, Program in Refugee and Asylum Law

Lake Michigan Round Goby Physiological Condition
Mentor: Patty Armenio, Biological Science Technician

Robots, Sensors, and the Great Outdoors
Mentor: Branko Kerkez, Assistant Professor, Civil and Environmental Engineering

Elections 2016: Why do they like that candidate?
Mentor: Dam Hee Kim, Doctoral Candidate, Communication Studies
Ivan Montoya  Poster 60  4:00 - 5:00 pm
HPV Prevention in College-Age Students
Mentor: Rafael Meza Rodriguez, Assistant Professor, Epidemiology

Ruth Moon  Poster 102  4:00 - 5:00 pm
Prolonging Limb Preservation using Ex-Vivo Perfusion
Mentor: Alvaro Rojas Pena, Assistant Research Scientist, Department of Surgery-Transplantation

Krunal Moradiya  Poster 41  1:30 - 2:30 pm
Combining human and computer intelligence in educational text
Mentor: Christopher Brooks, Research Assistant Professor, School of Information

Britney Moreira  Poster 39  9:00 - 10:00 am
Moderating Effect of Parent Expectations on Black Students' Academic Self Concept and Success
Mentor: Stephanie Rowley, Professor, Psychology

Kathleen Moriarty  Poster 76  10:00 - 11:00 am
Manipulative moms: epigenetic manipulation of offspring development in crickets
Mentor: Katherine Crocker, Graduate Student, Ecology and Evolutionary Biology

James Morrison  Poster 56  12:30 - 1:30 pm
The Power of Mindset
Mentor: Jooa Lee, Postdoctoral Fellow, Management and Organizations

Cody Morterud  Poster 143  9:00 - 10:00 am
Computational prediction of regulatory variation
Mentor: Alan Boyle, Assistant Professor, Computational Medicine & Bioinformatics

Jennifer Moss  Poster 76  3:00 - 4:00 pm
Alveolar macrophage response to collagen signaling during acute lung injury
Mentor: Kevin Kim, Assistant Professor, Internal Medicine

Joshua Moss  Poster 30  1:30 - 2:30 pm
The Longitudinal Intergenerational Family Electronic Micro-Database (LIFE-M)
Mentor: Martha Bailey, Associate Professor, Economics

Alaa Mouhajer  Poster 127  12:30 - 1:30 pm
Tissue Microarray Immunohistochemistry
Mentor: Shoumei Bai, Research Investigator, Internal Medicine

Melissa Moy  Poster 7  1:30 - 2:30 pm
Contextualizing Basic Science, Preclinical, and Clinical Concepts via Multimedia
Mentor: Barbara Alsup, Lecturer III, Division of Anatomical Sciences, Department of Surgery

Hunter Muirhead  Poster 99  1:30 - 2:30 pm
Understanding Global Trends in Archaeological Research
Mentor: Raven Garvey, Assistant Professor and Assistant Curator, Anthropology and Museum of Anthropological Archaeology

Kayce Mullett  Poster 64  4:00 - 5:00 pm
Experimental Validation of Structure Prediction on Cancer Proteins
Mentor: Yang Zhang, Professor, Department of Computational Medicine & Bioinformatics

Sierra Mullins  Poster 142  10:00 - 11:00 am
Elections Around the World: The Constituency Level Election Archive
Mentor: Allen Hicken, Associate Professor, Political Science
Ashley Munger  Poster 62  12:30 - 1:30 pm
*Discrimination and Self-Distancing*
Mentor: Ethan Kross, Professor, Psychology

Elias Murdoch-Morales  Poster 12  1:30 - 2:30 pm
*Second Language Oral Production & Cognition: PRATT Analysis*
Mentor: Lorenzo Garcia-Amaya, Assistant Professor, Romance Languages and Literatures

Sitara Murali  Poster 103  12:30 - 1:30 pm
*Social Determinants and Vaginal Health among Reproductive Age Women*
Mentor: Kimberly Mckee, Research Fellow, Family Medicine

Garrett Muscott  Poster 32  10:00 - 11:00 am
*Firearm Screening in the Inpatient Pediatric Setting*
Mentor: Kimberly Monroe, Assistant Professor, Pediatrics

Maria Muzaurieta  Poster 111  3:00 - 4:00 pm
*The Feasibility of Using Wrist-Worn Sensors to Identify Specific Activities of Daily Living*
Mentor: Susan Brown, Associate Professor, Movement Science, School of Kinesiology

Jordan Myers  Poster 17  12:30 - 1:30 pm
*Improving nuclear medicine imaging used during liver cancer therapy*
Mentor: Yuni Dewaraja, Research Professor, Radiology Division of Nuclear Medicine

Syed Nabi  Poster 81  4:00 - 5:00 pm
*mos Quantification of Aesthetic Changes to the Temporal Region Through Three-dimesinoal Volumetric Photo Analysis*
Mentor: Fan Liang, Craniofacial Fellow, Plastic Surgery

Noreen Nader  Poster 130  10:00 - 11:00 am
*Assessing reactions to expressions of social alliance*
Mentor: Daniel Kruger, Research Assistant Professor, Institute for Social Research

Cyrus Najarian  Poster 143  3:00 - 4:00 pm
*Synchronization in Different Cell Mediums*
Mentor: Indika Rajapakse, Assistant Professor, Department of Computational Medicine & Bioinformatics

Nicholas Naimo  Poster 121  4:00 - 5:00 pm
*Animal behavior signaling, facial recognition in paper wasps*
Mentor: Elizabeth Tibbetts, Associate Professor, Ecology and Evolution

Syed Naqvi  Poster 113  4:00 - 5:00 pm
*Anticoagulation Management During Extracorporeal Support for Cardiopulmonary Resuscitation*
Mentor: Alvaro Rojas Pena, Assistant Research Scientist, Department of Surgery-Transplantation

Mariya Nakonechna  Poster 111  12:30 - 1:30 pm
*HIV treatment for women in Russia*
Mentor: Elizabeth King, Assistant Professor, Health Behavior & Health Education

Kendra Nash  Poster 23  9:00 - 10:00 am
*Gendered Stereotypes of Lesbians/Gays in STEM*
Mentor: Denise Sekaquaptewa, Professor, Psychology
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<td>Fatima Nasir</td>
<td>48</td>
<td>9:00 - 10:00 am</td>
<td>Digital Community of #clinicaltrials: Information Transmission Through Social Network</td>
<td>Mentor: Ruth Carlos, Professor, Radiology</td>
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<td>Katarina Nehrkorn</td>
<td>138</td>
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<td>Fractions on the Left</td>
<td>Mentor: Michael Heaney, Assistant Professor, Organizational Studies and Political Science</td>
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<td>Kathleen Nelson</td>
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<td>Preventing Tobacco Use Among Adolescents via mHealth Primary Care Intervention</td>
<td>Mentor: David Cordova Jr, Assistant Professor, Social Work</td>
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<td>Erik Nesler</td>
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<td>Engaging the International Economy: Firms and the Politics of Trade and FDI</td>
<td>Mentor: Iain Osgood, Assistant Professor, Political Science</td>
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<td>Danielle Newport</td>
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<td>Wheat yield gaps and their causes in Northern India</td>
<td>Mentor: Meha Jain, Assistant Professor, School of Natural Resources and Environment</td>
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<td>Cassie Ng</td>
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<td>Images of an Immigrant Nation: Portrayals of Immigrants in the Mass Media</td>
<td>Mentor: Ted Brader, Professor, Political Science</td>
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<td>Kit Ng</td>
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<td>Search Coil Magnetometer Noise Characterization</td>
<td>Mentor: Mark Moldwin, Professor, Department of Climate and Space Sciences and Engineering</td>
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<td>Kim-Ngan Nguyen</td>
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<td>Sleep Disruption in Multiple Gestation Pregnancies</td>
<td>Mentor: Galit Levi Dunietz, Post-Doctoral Research Fellow, Neurology</td>
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<td>Madison Nightingale</td>
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<td>Root Fungi Colonization in Native and Non-native Phragmites</td>
<td>Mentor: Deborah Goldberg, Professor, Ecology and Evolutionary Biology</td>
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<td>Andrew Nikolajuk</td>
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<td>Wireless Indoor Location Device (WILD) Learning System</td>
<td>Mentor: Perry Samson, Professor, Climate &amp; Space Sciences &amp; Engineering</td>
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<td>Sarah Nisenson</td>
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<td>The Rabbis and Their Books</td>
<td>Mentor: Rebecca Wollenberg, Assistant Professor, Frankel Center for Judaic Studies</td>
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<td>Daniel Noller</td>
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<td>The Association between Neighborhood Poverty and Health: the Mediating Role of Social Relationships</td>
<td>Mentor: Noah Webster, Assistant Research Scientist, Institute for Social Research</td>
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<td>Meghann Norden-Bright</td>
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<td>Who Makes International Human Rights Law?</td>
<td>Mentor: Kevin Cope, Grotius Research Scholar; PhD Pre-Candidate, Political Science, Political Science</td>
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<td>Monique North</td>
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<td>Performance and Biocompatibility of a Novel Veno-Venous Extracorporeal Membrane Oxygenation Double Lumen Catheter</td>
<td>Mentor: Alvaro Rojas Pena, Assistant Research Scientist, Department of Surgery-Transplantation</td>
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Naia North  Poster 20  10:00 - 11:00 am
Soft Robotics Inflatable Upper Extremity Exoskeletons
Mentor: Richard Gillespie, Associate Professor, Mechanical Engineering

Chloe Noto  Poster 6  1:30 - 2:30 pm
Olynthos Project
Mentor: Lisa Nevett, Professor, Classical Studies

Emeka Nriagu  Poster 116  3:00 - 4:00 pm
Longitudinal Research on Aging Drivers (LongROAD)
Mentor: Lisa Molnar, Associate Research Scientist, University of Michigan Transportation Research Institute (UMTRI)

Isabella Nuce  Poster 4  1:30 - 2:30 pm
SPARC: Supporting Practice in the Arts, Research, and Curricula
Mentor: Gabriel Harp, Research Director, ArtsEngine

Pablo Nunez  Poster 128  4:00 - 5:00 pm
Ecological Impact of Large-Scale Land Transactions in Ethiopia
Mentor: Arun Agrawal, Professor, International Forestry Resources & Institutions

Nicholas Nunu  Poster 63  10:00 - 11:00 am
Transcriptomic analysis of human tissue
Mentor: Lam Tsoi, Research Assistant Professor, Dermatology / Computational Medicine and Bioinformatics

Abigail Nutter  Poster 9  1:30 - 2:30 pm
Technology and Language Documentation: Warlpiri songs
Mentor: Carmel O'Shanessy, Associate Professor, Linguistics

Dylan Nycz  Poster 135  3:00 - 4:00 pm
Retrospective Database of Patients with Metastatic Bladder Cancer
Mentor: Sarah Yentz, Hematology-Oncology Fellow, Oncology

Bryan Nzerem  Poster 142  1:30 - 2:30 pm
Effects of breast reconstruction on shoulder function
Mentor: David Lipps, Assistant Professor, Movement Science

Matthew O'Brien  Poster 126  12:30 - 1:30 pm
Mentor: Najwa El Kadi, Research Lab Specialist, PhD, Hematology/Oncology

Kyle O'Connor  Poster 78  1:30 - 2:30 pm
Electrocardiomatrix (ECM) for Cardiac Arrhythmia Detection
Mentor: Jimo Borjigin, Associate Professor, Molecular & Integrative Physiology

Rishane Oak  Poster 108  10:00 - 11:00 am
The Radio Baton and Computer Music History
Mentor: Michael Gurevich, Assistant Professor, Performing Arts Technology

Fatima Obeid  Poster 69  9:00 - 10:00 am
Health Disparities through the Lens of Pediatric Infectious Disease
Mentor: R Blackwood, Associate Professor of Pediatrics, Office of Health Equity and Inclusion

Jacob Ogle  Poster 107  1:30 - 2:30 pm
Characterization of an intronic differentially methylated region of Blimp-1/PRDM1
Mentor: Shannon Carty, Assistant Professor, Internal Medicine-Hematology/Oncology
Sarah Oh    Poster 53    9:00 - 10:00 am
Acculturation and Hypertension for Underserved Asian Americans
Mentor: Tsu-Yin Wu, Director and Professor, Eastern Michigan University School of Nursing

Suliyat Olagbenro    Poster 67    10:00 - 11:00 am
High-Risk HPV in Head and Neck Squamous Cell Carcinoma
Mentor: Heather Walline, Research Assistant Professor, Otolaryngology Department

Josiah Olah    Poster 19    1:30 - 2:30 pm
An Archival Review of UM Excavations at Dime (Egypt)
Mentor: Arthur Verhoogt, Arthur F. Thurnau Professor and Professor of Papyrology and Greek, Classical Studies

Holley Ong    Poster 75    3:00 - 4:00 pm
Catalysis of Histone H3 Lysine K27 Trimethylation in Absence of Polycomb Repressive Complex 2
Mentor: Sundeep Kalantry, Assistant Professor, Human Genetics

Victor Ongkowijaya    Poster 142    4:00 - 5:00 pm
All-packet MONitor (AMON): Internet Anomaly Detection in Multi-gigabit Streams
Mentor: Michael Kallitsis, Research Scientist, Merit Network, Inc.

Angelica Orellana    Poster 11    1:30 - 2:30 pm
Second language oral production & cognition
Mentor: Lorenzo Garcia-Amaya, Assistant Professor, Romance Languages and Literatures

Trevor Orginski    Poster 69    12:30 - 1:30 pm
Why Get Involved? Research on Student Community Participation
Mentor: Lorraine Gutierrez, Professor, Psychology and Social Work

Gilberto Orozco    Poster 133    10:00 - 11:00 am
The Racialized and Gendered Cultural Wealth of Subic Bay, Philippines
Mentor: Victoria Reyes, Postdoctoral Fellow, National Center for Institutional Diversity

Humberto Ortega    Poster 147    1:30 - 2:30 pm
Monte Carlo Modeling of Pluto’s Upper Atmosphere
Mentor: Orenthal Tucker, Assistant Research Scientist, Climate and Space Sciences and Engineering

Augustine Osagie Jr    Poster 110    12:30 - 1:30 pm
Using a Computational Method to Detect HPV in Head and Neck Squamous Cell Carcinoma
Mentor: John Brenner, Assistant Professor, Otolaryngology

Brianna Osofisan    Poster 64    1:30 - 2:30 pm
Can You Tell The Difference? Brain Function Patterns Associated With Object Similarity
Mentor: Elizabeth Duval, Research Fellow/Clinical Lecturer, Psychiatry

Rachel Otte    Poster 143    1:30 - 2:30 pm
Nanosemiconductor Self-Assembly
Mentor: Mark Hammig, Associate Research Scientist, Nuclear Engineering and Radiological Sciences

Erika Ouchi    Poster 101    9:00 - 10:00 am
Bioevaluation of Radiolabeled Compounds Using Cancer Cells
Mentor: Xia Shao, Assistant Research Scientist, Radiology

Takahiro Ouchi    Poster 111    9:00 - 10:00 am
Evaluating the Interaction between FOXA1 and AR in Prostate Cancer
Mentor: Arul Chinnaiyan, S. P. Hicks Endowed Professor of Pathology, Pathology, Urology
Zonta Owens  Poster 131  4:00 - 5:00 pm
Analysis of Soil Behavior during Earthquakes
Mentor: Adamantia-Maria Athanasopoulo-Zekkos, Associate Professor, Civil and Environmental Engineering

Isabelle Pagano  Poster 2  3:00 - 4:00 pm
Conservation and Development in Kenya
Mentor: Kelly Askew, Professor, DAAS/Anthropology

Sharanya Pai  Poster 147  4:00 - 5:00 pm
ONE Mile
Mentor: Anna Sirota, Assistant Professor, Architecture

Colin Palacios-Rolston  Poster 133  1:30 - 2:30 pm
Environmental Quality, Health and Learning in Conventional and High Performance School Buildings
Mentor: Stuart Batterman, Professor, EHS

Monica Palande  Poster 120  3:00 - 4:00 pm
Centromeric Dysregulation in Prostate Cancer
Mentor: Rafael Contreras, Research Assistant Professor, Internal Medicine

Alessio Palladino  Poster 147  9:00 - 10:00 am
Using Machine Learning to Disambiguate Native from Non-Native Structures of RNA
Mentor: Aaron Frank, Assistant Professor, Chemistry and Biophysics

Fawnnie Pamenan  Poster 72  3:00 - 4:00 pm
Transgenic mouse models of hypothyroidism
Mentor: Peter Arvan, Professor, Department of Internal Medicine

Vartika Parashar  Poster 100  12:30 - 1:30 pm
Cancer Specialists’ Attitudes & Practices Regarding Feedback for Pre-referral Me
Mentor: Lesly Dossett, Assistant Professor of Surgery, Surgery

Jae Min Park  Poster 98  9:00 - 10:00 am
Advancing Psychometric Properties of Patient Reported Outcome Measures
Mentor: Joel Gagnier, Assistant Professor, Orthopaedic Surgery & Epidemiology

Rachael Park  Poster 40  12:30 - 1:30 pm
Deploy: Spatial Patterns of Lightweight Landscapes
Mentor: Jonathan Rule, Assistant Professor of Practice, Architecture and Urban Planning

Kathryn Parkhurst  Poster 78  9:00 - 10:00 am
The Role of the Delta Opioid Receptor in Morphine Conditioned Place Preference
Mentor: Emily Jutkiewicz, Assistant Professor, Pharmacology

Ethan Parr  Poster 83  3:00 - 4:00 pm
Optimization of Electroporation-Mediated Gene Transfer in Xenopus Tadpoles
Mentor: Robert Denver, Professor, MCDB

Sophie Partington  Poster 42  9:00 - 10:00 am
Ecommerce Supply Chains
Mentor: Amitabh Sinha, Associate Professor, Technology and Operations

Bhavik Patel  Poster 128  10:00 - 11:00 am
Public Economics in Developing Countries: Evidence from India
Mentor: Tejaswi Velayudhan, Graduate Student (Doctoral Candidate), Economics
Charmi Patel  Poster 73  4:00 - 5:00 pm
Chronic Lymphocytic Leukemia transformation to Histiocytic Sarcoma
Mentor: Jing Christine Ye, Assistant Professor, hematology oncology/internal medicine

Collette Patel  Poster 3  3:00 - 4:00 pm
Conservation and Development in Tanzania
Mentor: Kelly Askew, Professor, DAAS/Anthropology

Mitesh Patel  Poster 157  3:00 - 4:00 pm
Automotive Collision Avoidance System: Driver adaptation
Mentor: Shan Bao, Associate Research Scientist, University of Michigan Transportation Research Institute

Nisha Patel  Poster 33  12:30 - 1:30 pm
Advancing Environmental Literacy - Using GIS to Understand Water Use
Mentor: Larissa Larsen, Associate Professor, Urban and Regional Planning

Richa Patel  Poster 38  10:00 - 11:00 am
The Role of Ferritinophagy in Intracellular Iron Handling
Mentor: Yatrik Shah, Assistant Professor, Molecular & Integrative Physiology

Sahil Patel  Poster 149  10:00 - 11:00 am
Making Room for Student Thinking
Mentor: Kevin Miller, Professor, Psychology

Shikha Patel  Poster 81  10:00 - 11:00 am
Impacts of quality of leaf-litter on ant assemblages in shade-grown coffee
Mentor: Bolivar Aponte-Rolon, Masters, Conservation Ecology

Nancy Pateqi  Poster 54  4:00 - 5:00 pm
Investigating the influence of rods and cones on the development of inner retinal photoreception
Mentor: Kwoon Wong, Assistant Professor, Ophthalmology & Visual Sciences

Lauren Patrick  Poster 118  10:00 - 11:00 am
Uncertainty and Pain Duration
Mentor: Darwin Guevarra, Doctoral Candidate, Psychology

Anne Patterson  Poster 115  3:00 - 4:00 pm
Defining Outcomes Among Patients with Cleft Lip and Palate
Mentor: Jennifer Waljee, Assistant Professor, Surgery

Julia Patton  Poster 115  9:00 - 10:00 am
Cell signaling between endoderm and mesoderm in villus morphogenesis
Mentor: Deborah Gumucio, Professor, Cell and Developmental Biology

Shane Pausits  Poster 27  9:00 - 10:00 am
Rethinking China’s Governance: A Legal Perspective on Business and Human Rights
Mentor: Theresa Kaiser-Jarvis, Assistant Dean for International Affairs, Center for Comparative & International Law

Cameron Pawlik  Poster 98  3:00 - 4:00 pm
Brain Processes related to Anxiety Disorders and Academic Success
Mentor: William Gehring, Professor, Psychology

Claire Peabody  Poster 41  10:00 - 11:00 am
Construction of a 3x GFP Cassette for PCR Based Tagging of Yeast Genes and Visualization of mRNP Granule Proteins
Mentor: Anuj Kumar, Professor, MCDB
Jiajun Peng  Poster 15  12:30 - 1:30 pm
Anti-fatigue techniques for use in driving: A driving simulator study
Mentor: Bruno Giordani, Professor; Chief Psychologist, Psychiatry/Neurology/Psychology/School of Nursing

Joseph Peper  Poster 141  4:00 - 5:00 pm
Using Supervised Learning to Predict Dialogue Structures in Online Chat
Mentor: Dragomir Radev, Professor, EECS and SI

Monique Perez  Poster 156  9:00 - 10:00 am
Virtual Modeling of Carboniferous Elonichthys’ Epibranchial Bones
Mentor: Matt Friedman, Associate Professor, Museum of Paleontology/Earth and Environmental Science

Brooke Perras  Poster 12  1:30 - 2:30 pm
Send language oral production & cognition: Praat Analysis
Mentor: Lorenzo Garcia-Amaya, Assistant Professor, Romance Languages and Literatures

Berant Perry  Poster 16  10:00 - 11:00 am
Semiconductor Electrodeposition
Mentor: Stephen Maldonado, Assistant Professor, Chemistry

Victoria Peruski  Poster 27  3:00 - 4:00 pm
Validating Self-Reported Attractiveness Scale
Mentor: Jukka Savolainen, Research Professor, ICPSR, Institute for Social Research

Lila Peters  Poster 68  10:00 - 11:00 am
High-Risk HPV in Head and Neck Squamous Cell Carcinoma
Mentor: Heather Walline, Research Assistant Professor, Otolaryngology Department

Meridith Pensler  Poster 54  1:30 - 2:30 pm
Utility of Peri-Operative Antibiotics for Commonly Performed Oculoplastic Surgeries.
Mentor: Christine Nelson, Section Chief, Eye Plastic, Orbital and Reconstructive Surgery, Ophthalmology

Ashley Pepple  Poster 108  12:30 - 1:30 pm
Optimizing T Cell-Based Approaches to Cancer Immunotherapy
Mentor: Clifford Cho, C Gardner Child Professor of Surgery and Professor of Surgery, Medical, General Surgery

Andrea Perez Balderrama  Poster 1  1:30 - 2:30 pm
Latino Popular Saints and Monsters after Sept 11.
Mentor: William Calvo-Quiros, Assistant Professor, American Culture

Anna Perrier  Poster 46  12:30 - 1:30 pm
The Effects of Safe Spaces on Human Psychology
Mentor: Izzy Gainsburg, Graduate Student, Psychology

Avish Persaud  Poster 124  12:30 - 1:30 pm
Heart regeneration with stem cells, bioengineering, and large animal models
Mentor: Zhong Wang, Associate Professor, Cardiac Surgery

Laraine Pesheck  Poster 21  4:00 - 5:00 pm
Social Comparison in Romantic Relationships
Mentor: Zachary Reese, Ph.D. Student, Social Psychology

Cassaundra Peterson  Poster 46  9:00 - 10:00 am
Internalizing behavior associated lower pain tolerance in poverty stricken adolescents
Mentor: Christopher Monk, Professor, Psychology
Claire Peterson   Poster 98   10:00 - 11:00 am
Annual Exhibition of Art by Michigan Prisoners
Mentor: Ashley Lucas, Associate Professor, Theatre & Drama and Residential College

Jonathan Pham   Poster 158   3:00 - 4:00 pm
Monoamine Oxidase Activity Assays for PET Radiotracer Development
Mentor: Peter Scott, Research Assistant Professor, Nuclear Medicine/Radiology

Graham Piazza   Poster 125   4:00 - 5:00 pm
Phylogenetic analysis and distribution of marsupial frogs (Gastrotheca sp.) from central Peru
Mentor: Rudolf von May, Postdoctoral Research Fellow, Ecology and Evolutionary Biology

Audrey Pierce   Poster 62   3:00 - 4:00 pm
Energetic Particles on Mercury’s Dayside
Mentor: Jim Raines, Assistant Research Scientist, Climate and Space Sciences and Engineering

Charlotte Pierce   Poster 20   9:00 - 10:00 am
Race-Based Motivated Reasoning: Evidence from Police-Involved Shootings
Mentor: Hakeem Jefferson, Doctoral Candidate, Political Science/Center for Political Studies

Lyndsey Pike   Poster 58   12:30 - 1:30 pm
The influence of culture, genes and the brain on social norms and the self.
Mentor: Shinobu Kitayama, Professor, Psychology

Kendall Plummer   Poster 79   1:30 - 2:30 pm
Electrocardiomatrix (ECM) for Cardiac Arrhythmia Detection
Mentor: Jimo Borjigin, Associate Professor, Molecular & Integrative Physiology

Liliana Pfeifer   Poster 109   12:30 - 1:30 pm
Role of SREBP1c in Sucrose-Induced Liver Disease
Mentor: Dave Bridges, Assistant Professor, Nutritional Sciences

Everritt Phillips   Poster 156   3:00 - 4:00 pm
Post Rock: prototyping new building elements from recycled plastic
Mentor: Meredith Miller, Assistant Professor, Architecture

Kaylee Picard   Poster 130   1:30 - 2:30 pm
Functional Assessment of Fish in Coastal Wetlands
Mentor: Jeff Schaeffer, Research Fishery Biologist, USGS Great Lakes Science Center

Brooke Pierce   Poster 27   1:30 - 2:30 pm
Sex Hormones’ Effects on Sexual Modulation of HIV-Relevant Vaginal Immunity
Mentor: Sari van Anders, Associate Professor, Psychology & Women's Studies

Kaitlyn Pifer   Poster 115   1:30 - 2:30 pm
Olfactory Regulation of Mouse Development, Metabolism and Aging
Mentor: Michael Garratt, Assistant Professor, Pathology

Robert Pilat   Poster 98   4:00 - 5:00 pm
Creating and Perfusing Engineered Vascular Networks In Vitro
Mentor: Ming-Sing Si, Assistant Professor, Cardiac Surgery

Pooya Polamarasetti   Poster 55   1:30 - 2:30 pm
Monocular Patient Education for Wearing Safety Eyewear
Mentor: Christine Nelson, Section Chief, Eye Plastic, Orbital and Reconstructive Surgery, Ophthalmology
Zackary Polovino  Poster 51  12:30 - 1:30 pm
2016 U.S. Presidential Election: Political Communication Content Analysis
Mentor: Ozan Kuru, Graduate Student, Communication Studies

Donald Popke  Poster 109  9:00 - 10:00 am
Investigate the role of the transcription factor Interferon Regulatory Factor 5
Mentor: Shrinivas Bishu, Assistant Professor, Internal Medicine/Gastroenterology

Christopher Posada  Poster 109  1:30 - 2:30 pm
Increasing Electroencephalographic SNR During Natural Story Listening
Mentor: Jonathan Brennan, Assistant Professor, Linguistics

Joshua Powell  Poster 159  4:00 - 5:00 pm
China in its New Hat: Art Installation, Exhibition and Performance
Mentor: Robert Adams, Associate Professor, ARCHITECTURE

Mira Prabhu  Poster 69  1:30 - 2:30 pm
Evaluating Novel Cancer Drugs and Drug Delivery in Preclinical Studies
Mentor: Mark Cohen, Assoc. Chair in Surgery, Assoc Prof of Surgery & Pharmacology, Surgery

Elizabeth Pratt  Poster 43  12:30 - 1:30 pm
Causes and Effects of Tourism in Europe from 1975 to 1985
Mentor: Susan Douglas, Professor, Communication Studies

Paul Nicholas Prin  Poster 63  9:00 - 10:00 am
Mechanisms that underlie brain defects in Down syndrome
Mentor: Bing Ye, Associate Professor, Cell & Developmental Biology and Life Sciences Institute

Molly Pomeroy  Poster 128  3:00 - 4:00 pm
Type 1 Diabetes: Pathways to Prevention
Mentor: Inas Thomas, Assistant Professor of Pediatrics and Communicable Diseases, Endocrinology-Pediatrics

Rose Popma  Poster 155  9:00 - 10:00 am
"Ear stones": a paleontological tool for illuminating fish evolution
Mentor: Matt Friedman, Associate Professor, Museum of Paleontology/Earth and Environmental Science

Natalie Potter  Poster 71  3:00 - 4:00 pm
Synthesis and Reactive Oxygen Species Quantification for Nanoparticle Systems
Mentor: Raoul Kopelman, Distinguished University Professor, Chemistry

Archana Prabhakar  Poster 110  4:00 - 5:00 pm
Artificial Placental Support Does Not Cause White or Gray Matter Brain Injury
Mentor: Alvaro Rojas Pena, Assistant Research Scientist, Department of Surgery-Transplantation

Preethi Prabhu  Poster 88  4:00 - 5:00 pm
Title not available
Mentor: Chung-Fu Cheng, Project Coordinator, Sleep Medicine

Olivia Priedeman  Poster 45  12:30 - 1:30 pm
Dementia Caregiving and Family Dynamics
Mentor: Carey Sherman, Asst Research Scientist, Life Course Development, ISR

Andrew Prince  Poster 152  1:30 - 2:30 pm
Li7La3Zr2O12 Synthesis and Compatibility with LiNi0.33Mn0.33Co0.33O2
Mentor: Jeff Sakamoto, Associate Professor, Mechanical Engineering
Sophia Pryor  Poster 8  10:00 - 11:00 am
*Biodiversity in Plant Hydraulics: How Inter- and Intra-Species Properties Impact Water Uptake*
Mentor: Elizabeth Agee, Ph.D. candidate, Civil and Environmental Engineering

Austin Qasawa  Poster 36  10:00 - 11:00 am
*Mechanisms of Lipid Accumulation after Chronic Skeletal Muscle Injury*
Mentor: Christopher Mendias, Associate Professor, Orthopaedic Surgery

Matthew Qemo  Poster 59  1:30 - 2:30 pm
*The role of SIRT5 in melanoma*
Mentor: David Lombard, Associate Professor, Pathology

Georgia Rabin  Poster 92  4:00 - 5:00 pm
*Targeting myofilament phosphorylation during heart failure*
Mentor: Margaret Westfall, Associate Professor, Department of Cardiac Surgery

Sudharshna Radhakrishnan  Poster 145  4:00 - 5:00 pm
*Technology trajectories across the innovation life-cycle*
Mentor: James Ostler, Assistant Professor, Ross School of Business

Aditi Rajadhyaksha  Poster 23  10:00 - 11:00 am
*Building Data Analysis Tools for Characterizing the Temperature Dependence of Organic Scintillator Detectors*
Mentor: Sara Pozzi, Professor, Nuclear Engineering and Radiological Sciences

Leila Ramirez  Poster 49  4:00 - 5:00 pm
*Oncology Clinical Trials Regulatory Document Process Improvement*
Mentor: Daniela Bashllari, Administrative Manager CTO Regulatory, UM Cancer Center Clinical Trials Office

Sean Psenka  Poster 81  9:00 - 10:00 am
*The effects of adolescent THC exposure on acquisition of cocaine self-administration in rats*
Mentor: Emily Jutkiewicz, Assistant Professor, Pharmacology

Mohmeed Qasem  Poster 16  12:30 - 1:30 pm
*Anti-fatigue techniques for use in driving: A driving simulator study*
Mentor: Bruno Giordani, Professor; Chief Psychologist, Psychiatry/Neurology/Psychology/School of Nursing

Yi Qiu  Poster 143  12:30 - 1:30 pm
*Microcystis viruses: Hunting the Killers of Lake Erie’s Harmful Algal Blooms*
Mentor: Melissa Dude Duhaime, Assistant Professor, Ecology and Evolutionary Biology

Joshua Rabotnick  Poster 59  10:00 - 11:00 am
*EROCA: Extracorporeal CPR for Refractory Out-of-Hospital Cardiac Arrest*
Mentor: Jennifer Fowler, Clinical Research Project Manager, Emergency Medicine

Allison Radman  Poster 23  1:30 - 2:30 pm
*The Probate Project*
Mentor: James Hines Jr, Richard A. Musgrave Collegiate Professor, Economics

Varchas Raman  Poster 63  1:30 - 2:30 pm
*Stress Biomarkers Study: The Effects of Sleep Quality and Quantity on Cortisol Awakening Response*
Mentor: Hedieh Briggs, Program Manager, Psychiatry

Rudreshwaran Ranganathan  Poster 161  3:00 - 4:00 pm
*Cognitive Processes in Mathematics Learning*
Mentor: Amira Ibrahim, Graduate Student Researcher, Psychology
Nicholas Ranger  Poster 53  12:30 - 1:30 pm
2016 U.S. Presidential Election: Political Communication Content Analysis
Mentor: Ozan Kuru, Graduate Student, Communication Studies

Akshay Rao  Poster 9  12:30 - 1:30 pm
Crowd-Powered Robotic Assistants
Mentor: Walter Lasecki, Assistant Professor, Computer Science and Engineering

Hannaan Rao  Poster 88  3:00 - 4:00 pm
Cell-ECM Interactions in Bone
Mentor: Andrea Alford, Research Assistant Professor, Orthopaedic Surgery

Noah Ravede  Poster 33  3:00 - 4:00 pm
The Strategic Psychology of Terrorism
Mentor: Carly Wayne, PhD Candidate, Political Science

Alexandra Reih  Poster 91  4:00 - 5:00 pm
The Inhibitory Potential of Anthocyanins on Glycemia-regulating Enzymes Linked to Hypertension
Mentor: Ara Kirakosyan, Research Investigator, Cardiac Surgery

Megan Remer  Poster 72  12:30 - 1:30 pm
Children Eat More of the Food They Make, But Evaluate the Same
Mentor: Jasmine DeJesus, Postdoctoral research fellow, Center for Human Growth and Development

Maya Reyes  Poster 44  1:30 - 2:30 pm
Virtual mentorship to support maternal and infant health and wellbeing
Mentor: Christina Weiland, Assistant Professor, Education and Social Work

Grayson Rice  Poster 129  4:00 - 5:00 pm
3D microfiber scaffolds for cancer and stem cell applications
Mentor: Stacy Ramcharan, PhD Candidate, Chemical Engineering

Joseph Richards  Poster 76  4:00 - 5:00 pm
Understanding Activity-Dependent Changes in Synaptic Transmission
Mentor: Edward Stuenkel, Professor, Molecular & Integrative Physiology

Caleb Richter  Poster 104  9:00 - 10:00 am
Transfer Learning from Natural Scene Images using a Deep Convolutional Neural Network for Breast Cancer Diagnosis in Dig
Mentor: Ravi Samala, Research Investigator, Radiology

Joseph Rickert  Poster 23  3:00 - 4:00 pm
Social Dilemmas and Social Decision Making
Mentor: Joseph Calabrisotto, Graduate Student Researcher, Graduate Student Instructor (Psych 240), Psychology (Social Psychology)

Rees Rillema  Poster 104  1:30 - 2:30 pm
Human stem cell derived 3D cardiac microtissues
Mentor: Todd Herron, Research Assistant Professor, Internal Medicine and Cardiology

Chayne Rimkus  Poster 93  10:00 - 11:00 am
Annual Exhibition of Art by Michigan Prisoners
Mentor: Ashley Lucas, Associate Professor, Theatre & Drama and Residential College

Erin Ringel  Poster 12  9:00 - 10:00 am
Creating a 21st-Century Archive: Orson Welles’s Unrealized Masterpiece
Mentor: Matthew Solomon, Associate Professor, Screen Arts and Cultures
Isabella Rios  Poster 84  10:00 - 11:00 am
*Eco-evolutionary dynamics of migratory songbirds*
Mentor: Benjamin Winger, Assistant Professor, Ecology and Evolutionary Biology & Museum of Zoology

Rachel Ritter  Poster 29  1:30 - 2:30 pm
*How well do kids communicate?*
Mentor: Preeti Samudra, Graduate Student, Developmental Psychology

Bailey Ritzema  Poster 78  12:30 - 1:30 pm
*Impact of Integrated Behavioral Health into the Primary Care Pediatric Setting*
Mentor: Blake Lancaster, Assistant Professor, Department of Pediatrics, Pediatric Psychology

Allison Rivi  Poster 16  1:30 - 2:30 pm
*Gabii Goes Digital*
Mentor: Nicola Terrenato, Professor of Classical Archaeology, Interdepartmental Program in Classical Art and Archaeology (IPCA)

Emily Roat  Poster 95  3:00 - 4:00 pm
*Synaptotagmin and the control of neurotransmitter release*
Mentor: Arun Anantharam, Assistant Professor, Pharmacology

Brett Roberts  Poster 147  9:00 - 10:00 am
*Using Machine Learning to Disambiguate Native from Non-Native Structures of RNA*
Mentor: Aaron Frank, Assistant Professor, Chemistry and Biophysics

Maya Roberts  Poster 109  1:30 - 2:30 pm
*Neurophysiological correlates of language processing*
Mentor: Jonathan Brennan, Assistant Professor, Linguistics

Catherine Robeson  Poster 117  10:00 - 11:00 am
*Legacy of the Canadian Indian Residential Schools*
Mentor: Joseph Gone, Professor, Psychology

Paula Rodriguez  Poster 80  12:30 - 1:30 pm
*Limb perfusion to extend allograft viability in rat*
Mentor: Christopher Mendias, Associate Professor, Orthopaedic Surgery

Haley Roell  Poster 29  1:30 - 2:30 pm
*How well do kids communicate?*
Mentor: Preeti Samudra, Graduate Student, Developmental Psychology

Samantha Rogers  Poster 18  12:30 - 1:30 pm
*Pop Culture Effects on Engineering Diversity*
Mentor: Laura Alford, Lecturer III & Research Investigator, Naval Architecture & Marine Engineering

Elena Romund  Poster 139  3:00 - 4:00 pm
*Pediatric Sleep Problems and the Effects of Iron Deficiency on Restless Leg Syndrome*
Mentor: Barbara Felt, Professor, Pediatrics and Center for Human Growth and Development

Jacob Roodvoets  Poster 34  3:00 - 4:00 pm
*The Strategic Psychology of Terrorism*
Mentor: Carly Wayne, PhD Candidate, Political Science

Stephanie Roskowski  Poster 101  1:30 - 2:30 pm
*Red is dead: investigating the lifestyle of a pathogen that turns its host red.*
Mentor: Nina Wale, Postdoctoral Research Fellow, Ecology & Evolutionary Biology
Megan Rossiter  Poster 121  10:00 - 11:00 am  
Northern Ireland Research Initiative  
Mentor: Christian Davenport, Professor, Center for Political Studies

Anupama Roy-Chaudhury  Poster 42  
12:30 - 1:30 pm  
Slavery, the American Revolution, and the Making of the United States  
Mentor: Matthew Spooner, Assistant Professor, History

Patricia Russo  Poster 33  1:30 - 2:30 pm  
Insidious Influence: Money and Lobbying in Congress  
Mentor: Richard Hall, Professor, Political Science

Chaewon Sagong  Poster 65  1:30 - 2:30 pm  
Racial Identity and Implicit Racial Attitudes  
Mentor: Elizabeth Duval, Research Fellow/Clinical Lecturer, Psychiatry

Divyansh Saini  Poster 6  10:00 - 11:00 am  
Radon removal and detection methods for the LZ Dark Matter experiment  
Mentor: Kirill Pushkin, Postdoctoral Researcher, Physics Department

Swathi Sampath  Poster 151  10:00 - 11:00 am  
Adolescent Opioid Usage  
Mentor: Cristina Bares, Assistant Professor, School of Social Work

Katherine Sanchez  Poster 66  3:00 - 4:00 pm  
Investigating Rare Breast Cancer Cell Populations  
Mentor: Ramdane Harouaka, Research Fellow, Internal Medicine / Hem-Onco

Rachael Rowley  Poster 125  3:00 - 4:00 pm  
Excess Adiposity and Cardiac Electro-Mechanical Dysfunction  
Mentor: Justus Anumonwo, Associate Professor, Internal Medicine/Cardiovascular; MIP

Nicole Ruprich  Poster 89  9:00 - 10:00 am  
Autism Spectrum Disorders: Bridging the Gap  
Mentor: Angela Fish, Clinical Instructor, Psychiatry, Child and Adolescent Section

Serena Sabuda  Poster 39  1:30 - 2:30 pm  
Music, Media, and Teens  
Mentor: Lucretia Ward, Professor, Psychology Department

Mariana Said  Poster 101  3:00 - 4:00 pm  
Gender, Race, Social Class, and Mental Health  
Mentor: Shervin Assari, Faculty, Psychiatry

Aanya Salot  Poster 121  10:00 - 11:00 am  
Researching Human Rights  
Mentor: Christian Davenport, Professor, Center for Political Studies

Cassandra Sample  Poster 8  4:00 - 5:00 pm  
US Tax Court - Empirical Research on Judicial Specialization and Business Cycles  
Mentor: Orli Oren-Kolbinger, Michigan Grotius Research Scholar - Post-Doctoral Researcher, Law

Lisset Sanchez Morgado  Poster 71  10:00 - 11:00 am  
Determination of use of CXCR4 or CCR5 by HIV with the use of different chimeras of env  
Mentor: Kathleen Collins, Professor, Microbiology & Immunology
Mohammed Saqib  Poster 46  9:00 - 10:00 am
Perceptions of Youth on Flint's Tap Water and their Health during the Flint Water Crisis
Mentor: Cleopatra Caldwell, Professor, Health Behavior and Health Education

Swara Sarvepalli  Poster 82  9:00 - 10:00 am
The effects of adolescent THC exposure on cocaine reinstatement in rats
Mentor: Emily Jutkiewicz, Assistant Professor, Pharmacology

Naomi Savas  Poster 11  4:00 - 5:00 pm
Constructing 'Digital' Safeguards: A project on cyber laws and regulations
Mentor: Nadiya Kostyuk, Graduate student, Political Science and Public Policy

Eboni Sawyer  Poster 84  4:00 - 5:00 pm
Defining The Temporal Subunit
Mentor: Fan Liang, Craniofacial Fellow, Plastic Surgery

Samantha Schefka  Poster 152  4:00 - 5:00 pm
Idioms and speaker's knowledge of structure-building in natural language
Mentor: Acrisio Pires, Professor, Linguistics

Noah Schenk  Poster 95  3:00 - 4:00 pm
Synaptotagmin and the control of neurotransmitter release
Mentor: Arun Anantharam, Assistant Professor, Pharmacology

Jonathan Scher  Poster 62  9:00 - 10:00 am
Mechanisms that underlie brain defects in Down syndrome
Mentor: Bing Ye, Associate Professor, Cell & Developmental Biology and Life Sciences Institute

Maria Schiavone  Poster 145  3:00 - 4:00 pm
Local thermal comfort devices in buildings
Mentor: Lars Junghans, Assistant Professor, Architecture

Kai Schiefer  Poster 131  9:00 - 10:00 am
A Do-it-Yourself Smart Radiation Detector
Mentor: Kimberlee Kearfott, Professor, NERS

Jacqueline Schlein  Poster 14  4:00 - 5:00 pm
Anxiously on Dating Apps, or Avoiding Them Altogether?
Mentor: Robin Edelstein, Associate Professor, Psychology

Celine Schlueter  Poster 145  1:30 - 2:30 pm
Improving Human/Industrial Robot Interaction
Mentor: Mark Meier, Lecturer, Architecture

Jane Schmid  Poster 76  12:30 - 1:30 pm
Using Emergency Department Data to Evaluate Violence Prevention Programs
Mentor: Rebecca Cunningham, Professor, Emergency Medicine

Emma Schmidt  Poster 120  4:00 - 5:00 pm
Animal behavior signaling, facial recognition in paper wasps
Mentor: Elizabeth Tibbetts, Associate Professor, Ecology and Evolution

Madeleine Schmitter  Poster 55  3:00 - 4:00 pm
Disease Dynamics of Scrub Typhus
Mentor: Timothy James, Assistant Professor, Ecology and Evolutionary Biology
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<th>Poster Number</th>
<th>Time</th>
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<tr>
<td>74</td>
<td>10:00 - 11:00 am</td>
<td>&quot;Red Complex&quot; Bacteria and Periodontal Ligament Cells: A Contrast Study</td>
<td>Bailey Schneider, Associate Professor, Biologic and Materials Sciences</td>
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<tr>
<td>48</td>
<td>3:00 - 4:00 pm</td>
<td>Miocene seashells record ancient coastal environment</td>
<td>Serena Scholz, Postdoctoral Fellow, Earth and Environmental Sciences</td>
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<tr>
<td>13</td>
<td>1:30 - 2:30 pm</td>
<td>The Emergence of US Afro-Spanish and the Influence of Social Media: How &quot;Slanguage&quot; Evolves to Standard in the 21st Cent</td>
<td>Sarah Schuen, Associate Professor, Romance Languages Literatures</td>
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<td>98</td>
<td>4:00 - 5:00 pm</td>
<td>Perfusing Engineered Vascular Networks</td>
<td>Caroline Schumb, Assistant Professor, Cardiac Surgery</td>
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<td>70</td>
<td>3:00 - 4:00 pm</td>
<td>Role of Inflammation in the Development of Heterotopic Ossification</td>
<td>Ean Schwartz, Associate Professor, Plastic Surgery</td>
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<tr>
<td>76</td>
<td>10:00 - 11:00 am</td>
<td>Manipulative moms: epigenetic manipulation of offspring development in crickets</td>
<td>Rebecca Schwutke, Postdoctoral Fellow, Ecology and Evolutionary Biology</td>
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<tr>
<td>139</td>
<td>4:00 - 5:00 pm</td>
<td>Automated Analysis of the Top One Million Websites</td>
<td>Andrew Seeley, Associate Professor, EECS and SI</td>
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<tr>
<td>12</td>
<td>9:00 - 10:00 am</td>
<td>Creating a 21st-Century Archive: Orson Welles's Unrealized Masterpiece</td>
<td>Elijah Segraves, Associate Professor, Screen Arts and Cultures</td>
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<tr>
<td>88</td>
<td>12:30 - 1:30 pm</td>
<td>Biomechanical Symmetry Improvement in ACL Reconstruction Patents over 24 months</td>
<td>Catherine Seguin, Associate Professor, School of Kinesiology</td>
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<tr>
<td>24</td>
<td>4:00 - 5:00 pm</td>
<td>English Soccer Club Financial Accounts</td>
<td>Dov Seifman, Professor, Sports Management</td>
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<td>40</td>
<td>10:00 - 11:00 am</td>
<td>Intravital Analysis of B and T cell contacts</td>
<td>Sahil Sethi, Assistant Professor, Microbiology and Immunology</td>
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<tr>
<td>45</td>
<td>1:30 - 2:30 pm</td>
<td>Biphasic functions of Ret in the development of the peripheral taste system</td>
<td>Amol Shah, Associate Professor, Biologic and Materials Sciences</td>
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Reeya Shah Poster 55 12:30 - 1:30 pm
*The Power of Mindset*
Mentor: Jooa Lee, Postdoctoral Fellow, Management and Organizations

Shivang Shah Poster 131 12:30 - 1:30 pm
*Development of Agouti Related Protein (AgRP) for Treatment of Cancer Cachexia*
Mentor: Roger Cone, Director, Life Sciences Institute; Professor, Molecular and Integrative Physiology

Amara Shaikh Poster 36 9:00 - 10:00 am
*Children’s Use of Quantitative Reasoning in Sharing*
Mentor: Jennifer Bullen, Graduate Student, Psychology

Ryan Shami Poster 95 1:30 - 2:30 pm
*Exploring the Role of MOF in Liver Function*
Mentor: Aaron denDekker, Postdoctoral Research Associate, Pathology

Ali Shammout Poster 106 3:00 - 4:00 pm
*Subclinical rejection, big data, and outcomes after kidney transplantation.*
Mentor: Evan Farkash, Assistant Professor, Department of Pathology

Maria Shamraj Poster 57 12:30 - 1:30 pm
*Islam, Religious Radicalization, Stability, and Regulation in Central Asia*
Mentor: Pauline Luong, Professor, Political Science

Ryan Sharrar Poster 9 10:00 - 11:00 am
*Analysis of the Mars Upper Atmosphere using MAVEN Spacecraft Datasets*
Mentor: Stephen Bougher, Collegiate Research Professor, Climate and Space Sciences

Alyssa Shaw Poster 93 4:00 - 5:00 pm
*Animal behavior signaling, facial recognition in paper wasps*
Mentor: Christian Cely Ortiz, PhD candidate, Ecology and Evolutionary Biology (EBB)

Molly Shea Poster 48 10:00 - 11:00 am
*Investigating the Signaling Pathway of IL-5 in Regulatory B-cells*
Mentor: Steven Lundy, Research Associate Professor, Internal Medicine-Rheumatology

Ziqian Shen Poster 72 9:00 - 10:00 am
*Mechanism of aging in mice models*
Mentor: Gonzalo Garcia, Research Investigator, Pathology

Prerana Shenoy Poster 15 12:30 - 1:30 pm
*Anti-fatigue techniques for use in driving: A driving simulator study*
Mentor: Bruno Giordani, Professor; Chief Psychologist, Psychiatry/Neurology/Psychology/School of Nursing

Harleen Shergill Poster 45 10:00 - 11:00 am
*Predictors of drowsy driving frequency among adolescent drivers*
Mentor: Daniel Keating, Professor, ISR

Jakob Sheridan Poster 57 3:00 - 4:00 pm
*Black hole accretion flows: Insights from the Swift J174540.7-2900 binary system*
Mentor: Mark Reynolds, Assistant Research Scientist, Astronomy

Caleb Sherwood Poster 139 9:00 - 10:00 am
*Ignition Behaviors of Hydrocarbon Fuels in an Internal Combustion System*
Mentor: Angela Violi, Professor, Mechanical Engineering
Justin Shetty  Poster 3  10:00 - 11:00 am
Smart Data Collection and Processing on Arduino
Mentor: Anna Gilbert, Professor, Mathematics

Angela Shi  Poster 111  1:30 - 2:30 pm
Roles of the TRPV3 ion channel in pain and itch
Mentor: Bo Duan, Assistant professor, MCDB

Mengjie Shi  Poster 40  1:30 - 2:30 pm
Value-at-Risk in Portfolio Analysis
Mentor: Xuming He, Professor, Statistics

Megan Shibley  Poster 159  9:00 - 10:00 am
Impacts of A. sericeasur on arthropod communities in a shaded coffee system.
Mentor: Lauren Schmitt, PhD PreCandidate, SNRE

Chih-Hsuan Shih  Poster 97  1:30 - 2:30 pm
Role of cav1 in Zebrafish Podocyte's Susceptibility to Metronidazole (MTZ) Induced Injury
Mentor: Weibin Zhou, Assistant Professor, Pediatrics

Lianna Shimoun  Poster 24  12:30 - 1:30 pm
Non-Invasive Portable System for Continuous Cardiovascular Monitoring
Mentor: Kayvan Najarian, Associate Professor, Computational Medicine and Bioinformatics

Manna Shintani Poster 103  3:00 - 4:00 pm
Multiplicative effects of Chronic Medical Conditions and Major Depressive Disorder on Self-Rated Mental Health among Asis
Mentor: Shervin Assari, Faculty, Psychiatry

Kate Shonk  Poster 34  4:00 - 5:00 pm
Media Consumption and Perceptions of Political Leaders
Mentor: Emily Vargas, Graduate Student, Psychology

Ashley Shores Poster 111  4:00 - 5:00 pm
Biochemical Markers of Lung Development During Artificial Placenta Support In an Ovine Model
Mentor: Alvaro Rojas Pena, Assistant Research Scientist, Department of Surgery-Transplantation

Gavin Shrestha Poster 87  4:00 - 5:00 pm
Avoidance and sensitivity to risk in anxiety-vulnerable individuals
Mentor: Jony Sheynin, Postdoctoral Research Fellow, Psychiatry

Fatimah Shuhait  Poster 93  4:00 - 5:00 pm
Animal behavior signaling, facial recognition in paper wasps
Mentor: Christian Cely Ortiz, PhD candidate, Ecology and Evolutionary Biology (EBB)

Ritika Sibal  Poster 19  10:00 - 11:00 am
Additive Manufacturing: Parametric studies of material viability for 3D printing
Mentor: Kira Barton, Assistant Professor, Mechanical Engineering

Kendall Sidnam  Poster 7  4:00 - 5:00 pm
The Gender Gap: Parental Expectations for Child Achievement in the STEM and Humanities Fields
Mentor: Sandra Tang, Research Investigator, Institute for Social Research

Elliane Siebert  Poster 22  4:00 - 5:00 pm
Competitive Situation Assessment
Mentor: Zachary Reese, Ph.D. Student, Social Psychology
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<tr>
<th>Name</th>
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<tr>
<td>Nicole Silberman</td>
<td>91</td>
<td>12:30 - 1:30 pm</td>
<td>Study of Continuous Performance</td>
<td>Sekhar Sripada, Associate Professor, Psychiatry/Philosophy</td>
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<td>Nicholas Simon</td>
<td>146</td>
<td>3:00 - 4:00 pm</td>
<td>Computational Analysis and Representation of the Solar Wind</td>
<td>Susan Lepri, Associate Professor, Climate and Space Sciences and Engineering</td>
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<tr>
<td>Sydney Simoncini</td>
<td>13</td>
<td>9:00 - 10:00 am</td>
<td>Creating a 21st-Century Archive: Orson Welles's Unrealized Masterpiece</td>
<td>Matthew Solomon, Associate Professor, Screen Arts and Cultures</td>
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<td>Yun Jin Sin</td>
<td>90</td>
<td>1:30 - 2:30 pm</td>
<td>Development of a Targeted Metabolomics Method for Polyamines in Human Plasma</td>
<td>Stefanie Wernisch, Postdoctoral Fellow, Internal Medicine</td>
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<tr>
<td>Meagan Sindone</td>
<td>41</td>
<td>4:00 - 5:00 pm</td>
<td>How autonomous vehicle technology will transform the automotive industry</td>
<td>Xun Wu, Associate Professor of Strategy, Strategy</td>
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<td>Philip Sisk</td>
<td>1</td>
<td>12:30 - 1:30 pm</td>
<td>Local thermal comfort devices in buildings</td>
<td>Lars Junghans, Assistant Professor, Architecture</td>
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<td>Aliza Sitrin</td>
<td>137</td>
<td>10:00 - 11:00 am</td>
<td>Party in the Street - Emotions and Activism</td>
<td>Michael Heaney, Assistant Professor, Organizational Studies and Political Science</td>
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<tr>
<td>Grace Slifkin</td>
<td>120</td>
<td>10:00 - 11:00 am</td>
<td>Researching Human Rights</td>
<td>Christian Davenport, Professor, Center for Political Studies</td>
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<tr>
<td>Kayla Smith</td>
<td>104</td>
<td>4:00 - 5:00 pm</td>
<td>Investigating the role of alternative TNS1 gene products in myelinating Schwann cells</td>
<td>Anthony Antonellis, Associate Professor, Human Genetics and Neurology</td>
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<td>Tryn Smith</td>
<td>56</td>
<td>1:30 - 2:30 pm</td>
<td>Research Projects in Eye Plastic Surgery</td>
<td>Christine Nelson, Section Chief, Eye Plastic, Orbital and Reconstructive Surgery, Ophthalmology</td>
</tr>
<tr>
<td>Zari Smith</td>
<td>36</td>
<td>12:30 - 1:30 pm</td>
<td>Divorce and Family Law in Contemporary Japan</td>
<td>Allison Alexy, Assistant Professor, Asian Languages and Cultures</td>
</tr>
<tr>
<td>Katharine Smyth</td>
<td>41</td>
<td>9:00 - 10:00 am</td>
<td>Social Change Among Native Americans</td>
<td>Linda Young-Demarco, Lead Research Associate, Survey Research Center ISR</td>
</tr>
</tbody>
</table>
Ashley Solle  Poster 19  9:00 - 10:00 am
*Burning it Down: The Use of Scorched Earth Tactics in Indonesia*
Mentor: Jessica Sun, PhD student, Political Science

Heidi Sommers  Poster 31  1:30 - 2:30 pm
*Daily Experiences and Well-Being Study*
Mentor: Kira Birditt, Research Associate Professor, Institute for Social Research

Yena Song  Poster 64  12:30 - 1:30 pm
*The Influence of Identity Integration for Wellbeing Among Immigrants*
Mentor: Fiona Lee, Professor, Psychology

Rashna Soonavala  Poster 99  3:00 - 4:00 pm
*Antigenic Map of Children's Immunity to Influenza*
Mentor: Sophia Ng, Research Fellow, Epidemiology

Kamari Spence  Poster 29  4:00 - 5:00 pm
*Slave Narratives and Mental Health in the 19th Century*
Mentor: Diana Louis, Assistant Professor, Women's Studies

Alisha Spoelman  Poster 64  10:00 - 11:00 am
*Single molecule study of mir-122's interaction with the Hepatitis C Virus (HCV) genome*
Mentor: Nils Walter, Professor, Chemistry

Varun Sree  Poster 34  1:30 - 2:30 pm
*Engaging the International Economy: Firms and the Politics of Trade and FDI*
Mentor: Iain Osgood, Assistant Professor, Political Science

Emma St Pierre  Poster 55  4:00 - 5:00 pm
*Intraretinal signaling by intrinsically photosensitive retinal ganglion cells*
Mentor: Kwoon Wong, Assistant Professor, Ophthalmology & Visual Sciences

Lily Stackable  Poster 155  3:00 - 4:00 pm
*Crystal Calibration Using X-rays*
Mentor: Paul Keiter, Research Scientist, Climate and Space Sciences and Engineering

Kayla Stanek  Poster 59  4:00 - 5:00 pm
*Attitudes Toward Cervical Self-Screening for HPV*
Mentor: Rafael Meza Rodriguez, Assistant Professor, Epidemiology

Jordan Stanton  Poster 13  9:00 - 10:00 am
*Creating a 21st-Century Archive: Orson Welles's Unrealized Masterpiece*
Mentor: Matthew Solomon, Associate Professor, Screen Arts and Cultures

Maeve Stargardt  Poster 21  1:30 - 2:30 pm
*Evaluating the Effect of CAN's After School Program on Academic Achievement*
Mentor: Joan Doughty, Deputy Director, Community Action Network

Paul Steffes  Poster 130  12:30 - 1:30 pm
*Cryopreservation of Human Neutrophils*
Mentor: Jason Knight, Assistant Professor, Internal Medicine/Rheumatology

Rina Steinberg  Poster 18  9:00 - 10:00 am
*Burning it Down: The Use of Scorched Earth Tactics in the Kosovo Conflict*
Mentor: Jessica Sun, PhD student, Political Science
Carissa Stenquist  Poster 123  9:00 - 10:00 am
*Evaluation of THOR as an oncogene in lung cancer*
Mentor: Arul Chinnaiyan, S. P. Hicks Endowed Professor of Pathology, Pathology, Urology

Madison Stewart  Poster 60  12:30 - 1:30 pm
*The Effects of Facebook Use on Psychological Health*
Mentor: Ethan Kross, Professor, Psychology

Thomas Stewart  Poster 149  9:00 - 10:00 am
*Directed Evolution of Computationally Designed X-Linked Inhibitor of Apoptosis*
Mentor: Jarrett Johnson, Graduate Student Research Assistant, Chemical Biology/Department of Computational Medicine and Bioinformatics

Aubrey Stickland  Poster 50  10:00 - 11:00 am
*Building clinical database to study atrial fibrillation*
Mentor: Cristen Willer, Associate Professor, Internal Medicine

Robert Stinson  Poster 130  4:00 - 5:00 pm
*3D microfiber scaffolds for cancer and stem cell applications*
Mentor: Stacy Ramcharan, PhD Candidate, Chemical Engineering

Sean Stockwell  Poster 28  10:00 - 11:00 am
*C++ Programming of Multiple-Choice Vocabulary Test for Eye-gaze Access by People*
Mentor: Jane Huggins, Associate Research Scientist, Physical Medicine and Rehabilitation

Meike Stoldt  Poster 86  4:00 - 5:00 pm
*A Clinical Scoring System for the Treatment of Pierre Robin Sequence*
Mentor: Fan Liang, Craniofacial Fellow, Plastic Surgery

Jared Stolove  Poster 127  10:00 - 11:00 am
*Public Economics in Developing Countries: Evidence from India*
Mentor: Tejaswi Velayudhan, Graduate Student (Doctoral Candidate), Economics

Madison Stoms  Poster 117  3:00 - 4:00 pm
*A Cultural Examination of Good News*
Mentor: Ka Ip, Graduate Student, Psychology

Crede Strauser  Poster 151  4:00 - 5:00 pm
*Spanish Bilinguals in South America: Linguistic Variation in the "Auxiliary + -ndo" Construction*
Mentor: Emily Sabo, PhD student, Linguistics

Elizabeth Strehl  Poster 136  1:30 - 2:30 pm
*Computerized Text Analysis of Student Reflections in the First Year Engineering Curriculum*
Mentor: Robin Fowler, lecturer, Program in Technical Communication

Grace Stridick  Poster 126  9:00 - 10:00 am
*Design of 3D printed surgical simulation models*
Mentor: David Zopf, Affiliate Professor, Biomedical Engineering

Amani Strong  Poster 132  3:00 - 4:00 pm
*Improving Breast Cancer Therapeutics: Nanoparticle peptide-targeting of HER2+ SKBR3 Breast Cancer Cells*
Mentor: Yasmine Doleyres, PhD Graduate Student, Macromolecular Sciences and Engineering

Katherine Stroud  Poster 61  12:30 - 1:30 pm
*Language and Emotion Regulation*
Mentor: Ethan Kross, Professor, Psychology
Soundharya Subramaniam  Poster 69  10:00 - 11:00 am
Characterizing Glioblastoma Multiforme Stem Cells to design Patient-specific Chemotherapy Regimens
Mentor: Pedro Lowenstein, Professor, Neurosurgery

Mohamad Sulieman  Poster 47  4:00 - 5:00 pm
A "Big Data" _ Approach To Neighborhood Effects In Chronic Illness Disparities
Mentor: Tiffany Veinot, Associate Professor, School of Information

Yosemite Sung  Poster 65  10:00 - 11:00 am
Developmental trajectories of the cerebral cortex in young males and females
Mentor: Ho Ming Chow, Research Investigator, Psychiatry

Valentina Tafurt Mejia  Poster 135  9:00 - 10:00 am
Innovation in Engineering Entrepreneurship
Mentor: Aileen Huang-Saad, Assistant Professor, Biomedical Engineering

Lily Talmers  Poster 24  3:00 - 4:00 pm
Finding the Link Between Group Morality and Health: A Literature Review
Mentor: Joseph Calabrisotto, Graduate Student Researcher, Graduate Student Instructor (Psych 240), Psychology (Social Psychology)

Junjie Tan  Poster 28  4:00 - 5:00pm
Labor Markets for Managers
Mentor: Yue Zhou, Assistant Professor, Strategy

Mingda Tang  Poster 40  9:00 - 10:00 am
Understanding the Benefits of People-Nearby Applications
Mentor: Tawanna Dillahunt, Assistant Professor, School of Information

Aashika Sulabelle  Poster 52  10:00 - 11:00 am
Engaging Patients and Family Supporters in PCMH to Improve Diabetes Management
Mentor: Ann-Marie Rosland, Assistant Professor, Internal Medicine

Xiyi Sun  Poster 29  12:30 - 1:30 pm
High throughput data analysis for metabolite identification
Mentor: Siwei Li, Postdoctoral research fellow, Pharmaceutical Sciences

Clement Sutjiatma  Poster 11  12:30 - 1:30 pm
Intelligent Programming Assistants
Mentor: Walter Lasecki, Assistant Professor, Computer Science and Engineering

Malika Takale  Poster 32  12:30 - 1:30 pm
Promotion of Water Education at the University of Michigan
Mentor: Larissa Larsen, Associate Professor, Urban and Regional Planning

Nazli Tamer  Poster 28  9:00 - 10:00 am
Targeting the Targeted Killing Case
Mentor: Theresa Kaiser-Jarvis, Assistant Dean for International Affairs, Center for Comparative & International Law

Rachel Tanenbaum  Poster 137  3:00 - 4:00 pm
Physician Prediction of Multiple Organ Dysfunction in the Pediatric Intensive Care
Mentor: Timothy Cornell, Associate Professor, Pediatric Critical Care Medicine

Kevin Tarta  Poster 21  12:30 - 1:30 pm
Effects of Solar Winds on "Hot Jupiter" Exoplanets
Mentor: Carolyn Kuranz, Associate Research Scientist, Climate and Space Science
Christopher Terry  Poster 129  1:30 - 2:30 pm
Functional Assessment of Fish in Coastal Wetlands
Mentor: Jeff Schaeffer, Research Fishery Biologist, USGS Great Lakes Science Center

Francesca Terzoli  Poster 20  1:30 - 2:30 pm
Measuring the experience of art museum visitors with an intercept survey
Mentor: Frederick Conrad, Research Professor, Institute for Social Research

Dharmesh Thakkar  Poster 91  9:00 - 10:00 am
Radiomics and functional imaging in radiotherapy of head and neck cancer
Mentor: Avraham Eisbruch, Professor, Radiation Oncology

Natasha Thapa  Poster 154  9:00 - 10:00 am
Morphology of Amylomyces rouxii
Mentor: William Davis, post doctoral fellow, EEB

Serena Thariath  Poster 76  1:30 - 2:30 pm
Promotion of Hearing Conservation Strategies among Farm and Rural Youth: Preparing Study Results for Dissemination
Mentor: Marjorie McCullagh, Professor, Dept 2

Udit Thawani  Poster 47  12:30 - 1:30 pm
Measuring successful outreach on Twitter by politicians of the Global South
Mentor: Joyojeet Pal, Assistant Professor, School of Information

Jonathan Theros  Poster 128  12:30 - 1:30 pm
Cutaneous lipopolysaccharide stimulation of TLR-4 receptor in NZM mice
Mentor: Joanne Kahlenberg, Assistant Professor, Internal Medicine, Division of Rheumatology

Christina Thomas  Poster 154  10:00 - 11:00 am
Racism-Related Stress and Health: Validation of a Novel Survey Measure
Mentor: Margaret Hicken, Research Assistant Professor, Institute for Social Research

Donna Thomas  Poster 58  9:00 - 10:00 am
Impact of Physical Activity on Attention and Concentration in Students
Mentor: Weiyun Chen, Associate Professor, Health and Fitness

Daniel Thompson  Poster 5  10:00 - 11:00 am
Investigating the Decision Making of Mathematics Teachers at Scale
Mentor: Patricio Herbst, Professor, Educational Studies

Katherine Thorne  Poster 97  10:00 - 11:00 am
Title not available
Mentor: Ashley Lucas, Associate Professor, Theatre & Drama and Residential College

Lili Tian  Poster 129  9:00 - 10:00 am
Synthetic biology approach for low-cost microRNA detection
Mentor: Allen Liu, Assistant Professor, Mechanical Engineering

Carolyn Tirella  Poster 77  4:00 - 5:00 pm
Dysautonomia in CMT and Correlations with Patient-Reported Outcomes and Disability
Mentor: Sindhu Ramchandren, Assistant Professor of Neurology, Neurology

Maria Tjilos  Poster 104  1:30 - 2:30 pm
Human stem cell derived 3D cardiac microtissues
Mentor: Todd Herron, Research Assistant Professor, Internal Medicine and Cardiology
Peter Tolsma  Poster 148  9:00 - 10:00 am
Using Natural Rotamer Distributions to Improve Beta Sheet Design
Mentor: Jarrett Johnson, Graduate Student Research Assistant, Chemical Biology/Department of Computational Medicine and Bioinformatics

Jessica Toma  Poster 66  12:30 - 1:30 pm
Identity Integration and Negotiation
Mentor: Fiona Lee, Professor, Psychology

Annika Topelian  Poster 153  4:00 - 5:00 pm
Knowledge of Spanish by Bilingual Speakers of a Minority Language: Spanish-Bora in Peru
Mentor: Acrisio Pires, Professor, Linguistics

Diego Toral  Poster 148  1:30 - 2:30 pm
Building Better Batteries: Beyond Li-ion
Mentor: Jeff Sakamoto, Associate Professor, Mechanical Engineering

Nour Toufaily  Poster 112  1:30 - 2:30 pm
Retinoic acid based nanoemulsion as a vaccine candidate for improved mucosal immunity
Mentor: Mohammad Farazuddin, post doctoral fellow, Michigan Nanotechnology Institute for Biology and Medical Sciences

Maria Tout  Poster 63  12:30 - 1:30 pm
Gender Differences in Experiences of Islamophobia
Mentor: Fiona Lee, Professor, Psychology

Ali Trachtenberg  Poster 82  4:00 - 5:00 pm
Ethnicity and Craniosynostosis: Is there a connection?
Mentor: Fan Liang, Craniofacial Fellow, Plastic Surgery

Paloma Tracy  Poster 91  3:00 - 4:00 pm
Biomarkers of tissue injury in neonatal cardiac surgery
Mentor: Mark Russell, Professor, Pediatrics

Michelle Tran  Poster 44  12:30 - 1:30 pm
What do people around the world think when answering life expectancy questions?
Mentor: Pamela Giustinelli, Research Assistant Professor, Institute for Social Research, Survey Research Center

Pearl Truax  Poster 109  4:00 - 5:00 pm
Development of a Novel Pediatric Artificial Lung as a Bridge to Lung Transplant
Mentor: Alvaro Rojas Pena, Assistant Research Scientist, Department of Surgery-Transplantation

Darrell Tubbs II  Poster 82  10:00 - 11:00 am
Surface Enhanced Raman Spectroscopy of Atmospheric Aerosols
Mentor: Andrew Ault, Assistant Professor, Environmental Health Science

Destane Turner  Poster 149  4:00 - 5:00 pm
Critical Intersectionality, well-being and justice
Mentor: Beth Reed, Associate Professor, Women’s Studies LSA

Tori Turpin  Poster 102  10:00 - 11:00 am
Seeding the Future in Children’s Literature and Film
Mentor: Elizabeth Goodenough, Lecturer IV in Arts and Ideas, Residential College, Residential College

Jack Twardowskyn  Poster 52  4:00 - 5:00 pm
Allosteric Modulators of the Mu Opiod Receptor
Mentor: John Traynor, Professor, Pharmacology
Melissa Ulbrick Poster 123 3:00 - 4:00 pm
Sap97 Expression and Autonomic Regulation of Heart Rate
Mentor: Justus Anumonwo, Associate Professor, Internal Medicine/Cardiovascular; MIP

Maria Uribe Poster 11 1:30 - 2:30 pm
Second language oral production & cognition
Mentor: Lorenzo Garcia-Amaya, Assistant Professor, Romance Languages and Literatures

Amin Ullah Poster 150 10:00 - 11:00 am
Classroom Interactions Modeled by Question Complexity in Algebra Instruction at Community Colleges
Mentor: Vilma Mesa, Associate Professor, School of Education

Chinwendu Uzosike Poster 53 4:00 - 5:00 pm
Mentor: Renee Pitter, Clinical Research Coordinator, Pediatric Nephrology

Alana Valko Poster 60 12:30 - 1:30 pm
The Effects of Facebook Use on Psychological Health
Mentor: Ethan Kross, Professor, Psychology

Olga Van Bolt Poster 32 1:30 - 2:30 pm
Daily Experiences and Well-being Study
Mentor: Kira Birditt, Research Associate Professor, Institute for Social Research

Stephanie Van Houten Poster 39 4:00 - 5:00 pm
Listening in Leadership
Mentor: George Siedel III, Williamson Family Prof. of Bus. Ad. and Thurnau Prof. of Bus. Law, Ross School of Business

Madelyn Vanderlaan Poster 49 9:00 - 10:00 am
The role of gender norms on family planning use in Francophone West Africa: a scoping review
Mentor: Paul Fleming, Assistant Professor, Health Behavior & Health Education

Steven Vaniwaarden Poster 136 10:00 - 11:00 am
Party in the Street: Protest Violence
Mentor: Michael Heaney, Assistant Professor, Organizational Studies and Political Science

Victoria Varnau Poster 86 10:00 - 11:00 am
Do soil microbes affect plant phenotypes?
Mentor: Amanda Meier, Doctoral Candidate, Ecology and Evolutionary Biology

Ishan Vashishta Poster 25 10:00 - 11:00 am
Programming of Brain-Computer Interface Display Configurations
Mentor: Jane Huggins, Associate Research Scientist, Physical Medicine and Rehabilitation

Michelle Velasquez Poster 152 10:00 - 11:00 am
Internalizing Disorders Contribution to Problem Behavior
Mentor: Cristina Bares, Assistant Professor, School of Social Work

Vennela Vellanki Poster 6 3:00 - 4:00 pm
Aggressive and Pro-Social Factors in Urban Adolescents
Mentor: Eric Dubow, Research Professor, ISR-Res Ctr Grp Dynamics

Ryan Vennard Poster 9 4:00 - 5:00 pm
The Progressive Era Lobby and Constitutional Reform
Mentor: James Strickland, Doctoral student, Political Science
Stephen Vergara  Poster 149  3:00 - 4:00 pm
3D Anthropometry of Equipped Warfighters
Mentor: Monica Jones, Assistant Research Scientist, University of Michigan Transportation Research Institute (UMTRI)

Gabriel Sean Villa  Poster 74  10:00 - 11:00 am
"Red Complex" Bacteria and Human Periodontal Ligament Cells
Mentor: J Fenno, Associate Professor, Biologic and Materials Sciences

Apurva Virkud  Poster 148  3:00 - 4:00 pm
Bio-imaging project to facilitate automatic behavioral analysis
Mentor: Adam Iliff, Postdoctoral Fellow, Life Sciences Institute

Jennifer Vosters  Poster 96  4:00 - 5:00 pm
Proteins for Antibiotic Synthesis
Mentor: Janet Smith, Professor, Life Sciences Institute

Archan Vyas  Poster 141  9:00 - 10:00 am
Effects of Source Position on Energy Drift and Calibration of Large Sodium Iodide Detectors
Mentor: Kimberlee Kearfott, Professor, NERS

Ashley Wade  Poster 84  9:00 - 10:00 am
Adventures in Neuropsychology
Mentor: Nicolette Gabel, Assistant Professor, Physical Medicine and Rehabilitation

Noelle Wade  Poster 2  9:00 - 10:00 am
Star Trek: Gender, Race, and Music
Mentor: Jessica Getman, Managing Editor, Gershwin Initiative

Taylor Wade  Poster 33  9:00 - 10:00 am
Hiring Preferences in Peer-to Peer Markets
Mentor: Laura Sonday, Doctoral Student, Management & Organizations

Simran Wadhwa  Poster 25  1:30 - 2:30 pm
Using electrodermal activity to consider how secondary math teachers manage (apparently) incorrect student responses
Mentor: Annick Rougee, PhD Candidate/Dissertation Project PI, Ed Studies (Mathematics Education)

Lynsey Wall  Poster 92  1:30 - 2:30 pm
Discovery of Novel Drug Leads from Marine Microbes
Mentor: Ashootosh Tripathi, Research Investigator, Life Sciences Institute

Boyuan Wan  Poster 153  3:00 - 4:00 pm
Robots, Sensors, and the Great Outdoors
Mentor: Branko Kerkez, Assistant Professor, Civil and Environmental Engineering

Nicole Wang  Poster 13  12:30 - 1:30 pm
Processing 12CaO â€“ 7Al2O3 electron conducting thin films using-flame made nanopowders
Mentor: Richard Laine, Professor, Materials Science and Engineering

Qingye Wang  Poster 150  4:00 - 5:00 pm
Mapping the Avant-Garde
Mentor: Tara Ward, Research Fellow/Lecturer, History of Art

Elizabeth Ward  Poster 120  3:00 - 4:00 pm
Centromeric Dysregulation in Prostate Cancer
Mentor: Rafael Contreras, Research Assistant Professor, Internal Medicine
Amanda Warkow  Poster 72  4:00 - 5:00 pm
Prenatal Emergency Department Utilization and Adverse Neonatal Outcomes
Mentor: Martina Caldwell, Clinical Lecturer, Emergency Medicine

Nathan Warriner  Poster 54  3:00 - 4:00 pm
The Seasonal Drivers of Hand, Foot, and Mouth Disease in Thailand
Mentor: Timothy James, Assistant Professor, Ecology and Evolutionary Biology

Kate Watkins  Poster 29  3:00 - 4:00 pm
Michigan Public Policy Survey: A literature review on survey best practice concerning non-binary gender
Mentor: Sarah Mills, Postdoctoral Fellow / Project Manager, Center for Local, State, and Urban Policy

Maximilian Wehner  Poster 106  9:00 - 10:00 am
Predicting the effect of disease-associated genetic variations on in vivo transcription factor binding
Mentor: Stephen Parker, Assistant Professor, Computational Medicine and Bioinformatics, Human Genetics

Matthew Wei  Poster 36  1:30 - 2:30 pm
Effects of Stereotypic Attribution Bias on Test Performance
Mentor: Veronica Derricks, Graduate Student, Psychology

Lauren Weinberg  Poster 68  3:00 - 4:00 pm
Role of Inflammation in the Development of Heterotopic Ossification
Mentor: Michael Chung, Post-doctoral research fellow, Plastic Surgery

Nicholas Weinberg  Poster 63  3:00 - 4:00 pm
Forecasts for cosmological parameter accuracy from the microwave background
Mentor: Dragan Huterer, Associate Professor, Physics

Jennifer Wen  Poster 132  1:30 - 2:30 pm
The Effectiveness of Salinity in Managing the Growth of Invasive Phragmites
Mentor: Kurt Kowalski, Research Wetland Ecologist / Adjunct Assistant Professor, U.S Geological Survey

Brianna Westmoreland  Poster 53  3:00 - 4:00 pm
Influences of Groundwater on the Fate and Effects of Aquatic Contaminants
Mentor: Glenn Burton, Professor and Director of CILER, School of Natural Resources and Environment

Emma Weston  Poster 113  12:30 - 1:30 pm
Interrupting Prolonged Sitting with Activity (InPACT)
Mentor: Rebecca Hasson, Assistant Professor, Kinesiology

Mayah Wheeler  Poster 46  3:00 - 4:00 pm
Equitable Futures
Mentor: Darin Stockdill, Design Coordinator, Center for Education Design, Evaluation, and Research, U of MI

Brooke White  Poster 5  1:30 - 2:30 pm
SPARC: Supporting Practice in the Arts, Research, and Curricula
Mentor: Gabriel Harp, Research Director, ArtsEngine

Erica Whiting  Poster 36  3:00 - 4:00 pm
Validation of a Psychophysics Eye Gaze Perception Task
Mentor: Ivy Tso, Assistant Professor, Psychiatry

Jacob White  Poster 7  9:00 - 10:00 am
Mapping Mark and Erasure: Siting Parish Architecture in Medieval Rome
Mentor: Catherine Carver, Academic Advisor/Professor, LSA Newnan Center;Visiting Faculty, Wayne State University D
<table>
<thead>
<tr>
<th>Poster Number</th>
<th>Time</th>
<th>Title</th>
<th>Mentor</th>
</tr>
</thead>
<tbody>
<tr>
<td>48</td>
<td>1:30 - 2:30 pm</td>
<td>Implementation of a New Database for the CRSP</td>
<td>Paige Whitman, Poster 48, Mentor: Keri Innes, Research Lab Specialist, Cancer Center/ Cancer Research Group</td>
</tr>
<tr>
<td>4</td>
<td>10:00 - 11:00 am</td>
<td>Smart Data Collection and Processing on Arduino</td>
<td>James Wich Jr, Poster 4, Mentor: Anna Gilbert, Professor, Mathematics</td>
</tr>
<tr>
<td>37</td>
<td>3:00 - 4:00 pm</td>
<td>Visual Selective Attention in Bipolar Disorder</td>
<td>Nicole Wiggins, Poster 37, Mentor: Ivy Tso, Assistant Professor, Psychiatry</td>
</tr>
<tr>
<td>143</td>
<td>9:00 - 10:00 am</td>
<td>Computational prediction of regulatory variation</td>
<td>Colten Williams, Poster 143, Mentor: Alan Boyle, Assistant Professor, Computational Medicine &amp; Bioinformatics</td>
</tr>
<tr>
<td>3</td>
<td>3:00 - 4:00 pm</td>
<td>Study of Adolescent Wellbeing and Brain Development</td>
<td>Eljonna Williams, Poster 16, Mentor: Christopher Monk, Professor, Psychology</td>
</tr>
<tr>
<td>100</td>
<td>3:00 - 4:00 pm</td>
<td>Methods Matter: Polygenic Score x Environment Interactions</td>
<td>Isabelle Williams, Poster 100, Mentor: Colter Mitchell, Research Assistant Professor, Institute for Social Research</td>
</tr>
<tr>
<td>103</td>
<td>9:00 - 10:00 am</td>
<td>CDK2 inhibitor as a therapeutics for breast cancer patient</td>
<td>Miranda Wilson, Poster 103, Mentor: Lei Wan, Research Fellow, Surgery</td>
</tr>
<tr>
<td>18</td>
<td>12:30 - 1:30 pm</td>
<td>Pop Culture Effects on Engineering Diversity</td>
<td>Rosemary Wilson, Poster 18, Mentor: Laura Alford, Lecturer III &amp; Research Investigator, Naval Architecture &amp; Marine Engineering</td>
</tr>
<tr>
<td>24</td>
<td>1:30 - 2:30 pm</td>
<td>The Probate Project</td>
<td>Joseph Wisniewski Jr, Poster 24, Mentor: James Hines Jr, Richard A. Musgrave Collegiate Professor, Economics</td>
</tr>
<tr>
<td>56</td>
<td>10:00 - 11:00 am</td>
<td>Catheter-microbiome derived inflammation in dialysis patients</td>
<td>Mitchell Wodrich, Poster 56, Mentor: Amy Pai, Associate Professor, Clinical Pharmacy</td>
</tr>
<tr>
<td>104</td>
<td>9:00 - 10:00 am</td>
<td>Youth’s Perceptions and Trust in Government during the Flint Water Crisis</td>
<td>Hunter Wojtas, Poster 47, Mentor: Cleopatra Caldwell, Professor, Health Behavior and Health Education</td>
</tr>
<tr>
<td>155</td>
<td>4:00 - 5:00 pm</td>
<td>The Closed Book</td>
<td>Abraham Woldegebriel, Poster 155, Mentor: Rebecca Wollenberg, Assistant Professor, Frankel Center for Judaic Studies</td>
</tr>
<tr>
<td>114</td>
<td>3:00 - 4:00 pm</td>
<td>Quantitative Kidney Pathology with Computer-assisted Image Analysis</td>
<td>Max Winkle Jr, Poster 114, Mentor: Jeffrey Hodgin, Assistant Professor, Pathology</td>
</tr>
<tr>
<td>30</td>
<td>3:00 - 4:00 pm</td>
<td>Mapping Detroit’s Hidden Social Geographies</td>
<td>Dominique Witten, Poster 30, Mentor: Josh Newell, Assistant Professor, Center for Sustainable Systems</td>
</tr>
<tr>
<td>47</td>
<td>9:00 - 10:00 am</td>
<td>Youth’s Perceptions and Trust in Government during the Flint Water Crisis</td>
<td>Hunter Wojtas, Poster 47, Mentor: Cleopatra Caldwell, Professor, Health Behavior and Health Education</td>
</tr>
</tbody>
</table>
Andrew Wong  Poster 146  12:30 - 1:30 pm
Quantification and Characterization of Micro- and Nano-plastic Pollution in the Great Lakes
Mentor: Melissa Dude Duhaime, Assistant Professor, Ecology and Evolutionary Biology

Claudia Wong  Poster 117  12:30 - 1:30 pm
The Effect of Mutated KCNJ5 on the Unfolded Protein Response in Primary Aldosteronism
Mentor: Tobias Else, Assistant Professor, Internal Medicine (Metabolism Endocrinology and Diabetes)

Jason Wong  Poster 73  10:00 - 11:00 am
In Vivo Detection of Neurotransmitters during Drug Abuse
Mentor: Alexandros Zestos, Postdoctoral Research Fellow, Chemistry/Pharmacology

Sabrina Wong  Poster 75  12:30 - 1:30 pm
Using Emergency Department Data to Evaluate Violence Prevention Programs
Mentor: Rebecca Cunningham, Professor, Emergency Medicine

Holly Wood  Poster 72  1:30 - 2:30 pm
Bridging Climate and Health: Seminar Series on Strengthening Research and Engage
Mentor: Susan Bell, Clinical Associate Professor, School of Nursing

Veronica Woods  Poster 79  9:00 - 10:00 am
The effects of adolescent THC exposure on cocaine-induced locomotor activity in rats
Mentor: Emily Jutkiewicz, Assistant Professor, Pharmacology

Helen Woolcock  Poster 106  4:00 - 5:00 pm
Title not available
Mentor: Ling Qi, Professor, Molecular & Integrative Physiology

Jane Wu  Poster 54  9:00 - 10:00 am
Breast Cancer Awareness in the Philippines
Mentor: Tsu-Yin Wu, Director and Professor, Eastern Michigan University School of Nursing

Ruben Wu  Poster 136  4:00 - 5:00 pm
Web Programming for New Neuroscience Educational Tool
Mentor: Omar Ahmed, Assistant Professor, Psychology

Vivian Wu  Poster 7  10:00 - 11:00 am
Electric Fish Floating Recording Device
Mentor: Greg Gage, CEO, Backyard Brains

Kevin Wunderly  Poster 50  10:00 - 11:00 am
Building clinical database to study atrial fibrillation
Mentor: Cristen Willer, Associate Professor, Internal Medicine

Di Xie  Poster 15  4:00 - 5:00 pm
Attentional Control Brain Activations in Bilingual Children and Their Relation to Literacy Acquisition: An fNIRS Study
Mentor: Ioulia Kovelman, Assistant Professor, Psychology

Austin Xu  Poster 144  1:30 - 2:30 pm
Immunizing Charge-Sensitive Preamplifiers to Detector Capacitance
Mentor: Mark Hammig, Associate Research Scientist, Nuclear Engineering and Radiological Sciences

Nicole Xu  Poster 76  4:00 - 5:00 pm
Understanding Activity-Dependent Changes in Synaptic Transmission
Mentor: Edward Stuenkel, Professor, Molecular & Integrative Physiology
<table>
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<tr>
<th>Poster Number</th>
<th>Time</th>
<th>Title</th>
<th>Mentor</th>
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<tr>
<td>140</td>
<td>1:30 - 2:30 pm</td>
<td>Microstructures of Al-Alloys studied by TEM</td>
<td>Kai Sun, Associate Research Scientist, Materials and Science Engineering</td>
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<td>84</td>
<td>10:00 - 11:00 am</td>
<td>Eco-evolutionary dynamics of migratory songbirds</td>
<td>Benjamin Winger, Assistant Professor, Ecology and Evolutionary Biology &amp; Museum of Zoology</td>
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<tr>
<td>9</td>
<td>9:00 - 10:00 am</td>
<td>Rediscovering Italy: Neorealism in Postwar America: 1945-1960</td>
<td>Giorgio Bertellini, Associate Professor, Screen Arts &amp; Cultures</td>
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<td>49</td>
<td>10:00 - 11:00 am</td>
<td>Granzyme B in B-cell derived extracellular vesicles: a novel mechanism to kill T helper 2 cells in allergic asthma?</td>
<td>Steven Lundy, Research Associate Professor, Internal Medicine-Rheumatology</td>
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<td>113</td>
<td>1:30 - 2:30 pm</td>
<td>Detection of Cell-Regulatory Proteins in HPV +/- Cancer Cell Lines</td>
<td>Thomas Carey, Professor, Otolaryngology</td>
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<td>110</td>
<td>10:00 - 11:00 am</td>
<td>Using Machine Learning to Understand Political Violence</td>
<td>Christian Davenport, Professor, Center for Political Studies</td>
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<td>96</td>
<td>12:30 - 1:30 pm</td>
<td>Parkinson Public Data Project</td>
<td>Vikas Kotagal, Assistant Professor, Neurology</td>
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<td>125</td>
<td>9:00 - 10:00 am</td>
<td>Characterizing KIT+ multi-potent stem cells</td>
<td>Harleen Athwal, Research Assistant, Dentistry</td>
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<td>84</td>
<td>10:00 - 11:00 am</td>
<td>Systematic annotation and analysis of susceptible genes associated with vaccine adverse events</td>
<td>Yongqun He, Associate Professor, Lab Animal Medicine, Microbiology and Immunology, &amp; Bioinformatics</td>
</tr>
<tr>
<td>43</td>
<td>10:00 - 11:00 am</td>
<td>Statistical and ontological analysis of adverse events associated with vaccines against Guillain-Barre Syndrome</td>
<td>Yongqun He, Associate Professor, Lab Animal Medicine, Microbiology and Immunology, &amp; Bioinformatics</td>
</tr>
<tr>
<td>44</td>
<td>10:00 - 11:00 am</td>
<td>A 4-Twist Helical &quot;Siberian Snake&quot; that Maintains Proton Beam's Spin Polarization in Synchrotrons</td>
<td>Alan Krisch, Professor Emeritus and Director, Spin Physics Center, Physics</td>
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<td>17</td>
<td>4:00 - 5:00 pm</td>
<td>Sexist Humor and Receptivity to Diversity Messages</td>
<td>Koji Takahashi, Graduate Student, Psychology</td>
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<td>107</td>
<td>4:00 - 5:00 pm</td>
<td>ER homeostasis and Inflammation in health and disease</td>
<td>Ling Qi, Professor, Molecular &amp; Integrative Physiology</td>
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<tr>
<td>52</td>
<td>12:30 - 1:30 pm</td>
<td>2016 U.S. Presidential Election: Political Communication Content Analysis</td>
<td>Ozan Kuru, Graduate Student, Communication Studies</td>
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Kevin Yoon  Poster 100  4:00 - 5:00 pm
Using metal nanostructures to enhance intrinsic biomolecular fluorescence
Mentor: Julie Biteen, Assistant Professor, Chemistry

Boyang Yu  Poster 14  9:00 - 10:00 am
Attributes of Chinese State Capitalism in China's Capital Markets
Mentor: Theresa Kaiser-Jarvis, Assistant Dean for International Affairs, Center for Comparative & International Law

Gabrielle Young  Poster 105  3:00 - 4:00 pm
Understanding Distress among Family Members in the Intensive Care Unit
Mentor: Thomas Valley, Clinical Lecturer, Department of Internal Medicine

Irene Zacharias  Poster 19  12:30 - 1:30 pm
Pop Culture Effects on Engineering Diversity
Mentor: Laura Alford, Lecturer III & Research Investigator, Naval Architecture & Marine Engineering

Vivian Yu  Poster 60  9:00 - 10:00 am
Geographic and Socioeconomic Disparities in US Physician Capacity
Mentor: Hwajung Choi, Assistant Research Scientist, Internal Medicine

Ahmed Zaid  Poster 59  3:00 - 4:00 pm
Femtosecond Machining of Quantum Wells
Mentor: Steven Cundiff, Professor, Physics

Nizam Zaher  Poster 110  1:30 - 2:30 pm
Dissecting spinal circuits that transmit mechanical itch
Mentor: Bo Duan, Assistant professor, MCDB

Haniyeh Zamani  Poster 123  1:30 - 2:30 pm
Temporal trends in dissolved organic matter in Lake Erie
Mentor: Rose Cory, Assistant Professor, Earth and Environmental Sciences

Bethany Zalewski  Poster 43  9:00 - 10:00 am
Studying driver behaviors in self-driving cars using a driving simulator.
Mentor: Anuj Pradhan, Assistant Research Scientist, Transportation Research Institute

Cory Zayance  Poster 85  12:30 - 1:30 pm
Diffusion Model Testing on Patients With and Without Mild Cognitive Impairment
Mentor: Bruno Giordani, Professor; Chief Psychologist, Psychiatry/Neurology/Psychology/School of Nursing

Cassandra Zavislak  Poster 16  3:00 - 4:00 pm
Who Makes International Human Rights Law?
Mentor: Kevin Cope, Grotius Research Scholar; PhD Pre-Candidate, Political Science, Political Science

Maryellen Zbrozek  Poster 50  3:00 - 4:00 pm
Disease in Honey Bees and Bumble Bees: Effects of Landscape Composition on Black Queen Cell Virus Prevalence
Mentor: Michelle Fearon, Graduate Student, Ecology and Evolutionary Biology

Rachel Zeeb  Poster 121  3:00 - 4:00 pm
Centromere Instability in Cancer
Mentor: Rafael Contreras, Research Assistant Professor, Internal Medicine

Anne Zhao  Poster 78  3:00 - 4:00 pm
Long Term Brain Dysfunction after Critical Illness
Mentor: Benjamin Singer, Lecturer, Internal Medicine / Pulmonary and Critical Care Medicine
Jessica Zhao  Poster 92  3:00 - 4:00 pm
*Role of TRAF7 in Embryonic Development*
Mentor: Mark Russell, Professor, Pediatrics

Yijia Zheng  Poster 55  9:00 - 10:00 am
*The psychosocial influences on dietary pattern change among Asian immigrants in the U.S.*
Mentor: Tsu-Yin Wu, Director and Professor, Eastern Michigan University School of Nursing

Wency Zhao  Poster 31  4:00 - 5:00 pm
*Political Logic of Welfare Expansion in China: Pension Expansion for Migrant Workers*
Mentor: Yujeong Yang, Graduate Student, Political Science

Diana Zhu  Poster 31  4:00 - 5:00 pm
*Role of Stem Cell Factor in Eosinophilic Esophagitis*
Mentor: Catherine Ptaschinski, Research Investigator, Pathology

Hui Zhu  Poster 67  3:00 - 4:00 pm
*Targeting Neutrophil Extracellular Traps (NETs) Reduces Thrombosis in the Setting of Ischemia Reperfusion Injury*
Mentor: Michael Chung, Post-doctral research fellow, Plastic Surgery

Diana Zhu  Poster 90  3:00 - 4:00 pm
*Statistics Online Computational Resource Project - Power Analysis*
Mentor: Ivaylo Dinov, Associate Professor, Nursing and Bioinformatics

Xiaoya Zhu  Poster 146  4:00 - 5:00 pm
*Measuring the Behavioral Response of Car Prices and Migration to Notched Tax Schedules*
Mentor: Orli Oren-Kolbinger, Michigan Grotius Research Scholar - Post-Doctoral Researcher, Law

Junqi Zhu  Poster 24  10:00 - 11:00 am
*Informal/Irregular/Illegal: The Production of Urban Land in Mexico City*
Mentor: McLain Clutter, Associate Professor, Architecture

Zoe Zimmerman  Poster 54  10:00 - 11:00 am
*A Dynamic Standing Table to Reduce Sedentary Time*
Mentor: Melanie Beaulieu, Postdoctoral Research Fellow, Department of Radiology

Wendy Zhuo  Poster 35  12:30 - 1:30 pm
*In formal/Irregular/Illegal: The Production of Urban Land in Mexico City*
Mentor: McLain Clutter, Associate Professor, Architecture

Bailey Zywicki  Poster 154  3:00 - 4:00 pm
*X-ray Characterization*
Mentor: Paul Keiter, Research Scientist, Climate and Space Sciences and Engineering
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