



## Briggsie Participants in the UURAF: April 12-14, 2023

The 2023 University Undergraduate Research and Arts Forum (UURAF) provides Michigan State undergraduate students with an opportunity to showcase their scholarship and creative activity. Held each spring, UURAF brings together an intellectual community of undergraduate students to share their work with faculty, staff, peers, and external audiences. This is the largest annual research showcase at MSU. Briggsies often share their independent and campus lab findings in this venue.

## Briggsies Presenting Online: Presentations Viewable April 12-14

[Forager One](#) is the venue for online UURAF presentations. You must register if you wish to actively engage with online presentations. Names are alphabetized by presenter last name. Category is listed after presentation title.

### Chris Babcock

*Effects of Acylsugar Acyltransferase Transcription Factors on Regulation of Acylsugar Production in Solanum lycopersicum*  
Biochemistry and Molecular Biology

### Curtis Chou

*Generalized Golden Numbers*  
Engineering, Computer Science & Mathematics  
*Some Remarks on Diophantine Triples*  
Engineering, Computer Science & Mathematics

### Krishna Devulapalli

*Establishing QC Pipeline and Demonstrating Agreement*  
Health Sciences

### Meyhar Dudeja

*Can closing a road, lead to better traffic?*  
Engineering Computer Science & Mathematics  
*Generalized Golden Numbers*  
Engineering, Computer Science & Mathematics  
*Some Remarks on Diophantine Triples*  
Engineering, Computer Science & Mathematics

### Charlie Herz

*Grain Shape Analysis of Mars Regolith Simulant MGS-1 and Lunar Regolith Simulant LMS-1*  
Science Technology Engineering Mathematics

### Ebony Kaczander

*A Beam Monitoring System for the S2 Vault Using the Rutherford Scattering Process and Validation with Gold Foil*  
Physical Sciences

### Zach Kam

*Investigating the Phonemic Content of Connected Speech for a Sample of High-Speed Videoendoscopy Data from Adductor Spasmodic Dysphonia*  
Communication Arts and Sciences

### Yash Khiraya

*PEAPOD-2: A Pregnancy Diet Intervention for Women with Class III obesity*  
Nutrition and Food Science

## Laasya Koduri

*The Role of ESR1 and RAC1 in Uterine Gland Branching and Early Pregnancy Events*  
Cell Biology Genetics and Genomics

## Alexis Litts

*Understanding Genetic Variation in Transgenerational Immunity in Daphnia magna*  
Biochemistry and Molecular Biology

## Adarsh Mahendrakumar

*Establishing QC Pipeline and Demonstrating Agreement*  
Health Sciences

## Jamie Marx

*FOXP2 gene presence in the American Crow and Human aids in Vocal Recognition to Warning Calls*  
Cell Biology Genetics and Genomics

## Alex Mast

*Effects of Health Care Workers' Participation in Equine Assisted Activities on Their Attitude Towards Horses and Future Participation in the Equine Industry*  
Agriculture and Animal Science

## Priyadharshini Mohanraji

*Grain Shape Analysis of Mars Regolith Simulant MGS-1 and Lunar Regolith Simulant LMS-1*  
Science Technology Engineering Mathematics

## Nikita Nel

*The Relationship of Prenatal and Postpartum Depression with Gastrointestinal Microbial Diversity and Composition*  
Health Sciences

## Sarah Okeke

Biochemistry and Molecular Biology

## Jazzmyne Ortiz

*Grain Shape Analysis of Mars Regolith Simulant MGS-1 and Lunar Regolith Simulant LMS-1*  
Science Technology Engineering Mathematics

## Jonas Padilla

*Fluorescence Models of Metabolic Stress in ARPE-19 Cells and Their Role in Understanding Diabetic Retinopathy Pathogenesis*  
Biochemistry and Molecular Biology

## Ashton Powell

*Appealing for Promotion: Examining President Trump's Supreme Court Shortlist*  
History, Political Science, and Economics

## Joshua Prabhu

*Pediatric Diabetic Ketoacidosis Presentations to an Emergency Department Before and During The Pandemic*  
Health Sciences

## Cooper Sackett

*Appealing for Promotion: Examining President Trump's Supreme Court Shortlist*  
History, Political Science, and Economics

## Dharshini Senthilkumar

*Serum Fatty Acid Analysis and Essential Fatty Acid Deficiency Prevalence among 6-18-year-old Ugandan Children*  
Nutrition and Food Science

## Kriti Shirodkar

*Misleading Statistics: Darrell Huff's Lessons in Healthcare*  
Health Sciences

## Jenna Thibodeau

*Modifying Pseudomonas Syringae Phage for Plant Pathogen Biocontrol*

## Elena Toomajian

*The Islamic Roots of Modern Medicine*  
Global and Area Studies

## Rachel Vanduinen

*Changes in the fatty acid profile of eggs and forage across the grazing season in a Southern Ohio-based pasture-raising system for layer hens*  
Nutrition and Food Science

## Amiri Walker

*Some Remarks on Diophantine Triples*  
Engineering, Computer Science & Mathematics  
*Generalized Golden Numbers*  
Engineering, Computer Science & Mathematics

## Briggsies Presenting Exhibits In-Person April 14, Breslin Center

Some Briggsies are presenting exhibits in Mezzanine Room D. Category is listed after title and location.

### Ellie Barron

*Exploring Gender Norms through Children's Toys*  
11:50 a.m., Mezzanine Room D  
Social Science, Humanities, Arts

### Sonia Menon

*Women's and Gender Studies Trivia*  
1:05 p.m., Mezzanine Room D  
Social Science, Humanities, Arts

## Briggsies Presenting In-Person April 14, 11:00 a.m., Breslin Center

Some Briggsies are presenting multiple projects. Some Briggsies are presenting the same project. Names are alphabetized by presenter last name. All will be in the main arena.

### Chelsea Abulu

*Evaluation of Physical Activity and Associated Psychosocial Factors According to Adolescent Weight Status*  
Health Sciences

### Olivia Beckman

*Drug inhibitory range against Mycobacterium Abscessus*  
Microbiology Immunology and Infectious Disease

### Taylor Adams

*The Berry Best Way to Organize the Fragaria genus*  
Cell Biology Genetics and Genomics

### Grace Bonnema

*Narrative Processing of Music: How Culture Influences Our Perception of Music*  
Psychology

### Zeeba Ali

*Saccade Vigor in Schizophrenia*  
Psychology

### Elijah Cole

*Nuclear Vibrations of Cadmium Isotopes*  
Physical Sciences

### Charlotte Anker

*Salinity Stress Impacts SWEET Production and Transportation in Kitaake Rice*  
Plant Sciences

### Mackenzie Cronk

*Evaluation of Adolescent Physical Activity and Associated Psychosocial Factors According to Level of Income*  
Health Sciences

### Marine Avequin

*Creativity in the Time of COVID-19: Using Creativity to Document Experiences in Medicine*  
Digital Humanities

### Elison Daher

*Identifying a DNA variant in Finnish descendants born with cleft palate in the Sauna Belt region of Michigan*  
Cell Biology Genetics and Genomics

### Manvir Bamrah

*Student Learning Gains and Attitudes in a Critical Making Class*  
Social Science General

### Aidan Davis

*Physiological Benchmarks of Elite Motor Racers*  
Kinesiology

### Drew Beckman

*Three dominant Vibrio cholerae lytic phage all require O1 antigen for infection*  
Cell Biology Genetics and Genomics

### Lindsey Dejesus

*Quantitative Identification of Nonpolar Perfluoroalkyl Substances by Mass Spectrometry*  
Physical Sciences

## Michael Demercurio

*How group engagement impacts level of reasoning in response to complex questions*

Education

## Kyli Denny

*How do students reason about Ca<sup>++</sup> accumulation during muscle contraction?*

Education

## Allison Doneth

*Parenting Style And Child BMI In Low Income Families*

Health Sciences

## Ali Farooqui

*Ultrasound changes in patellar tendon in D1 athletes pre- and post-season*

Kinesiology

## Toria Fex

*Quantification of VTA cell activity in mediated devaluation*

Neuroscience

## Delaney Flavin

*Comparisons with Fragaria Vesca Accessions*

Cell Biology Genetics and Genomics

## Ava Fleming

*Comparisons with Fragaria Vesca Accessions*

Cell Biology Genetics and Genomics

## Isaac Gollapalli

*How do students reason about Ca<sup>++</sup> accumulation during muscle contraction?*

Education

## Ryan Hertz

*Delivery of Healthy Eating and Physical Activity Interventions Involving Adolescents and Parents: A Systematic Review*

Psychology

## Natalie Horton

*Comparisons with Fragaria Vesca Accessions*

Cell Biology Genetics and Genomics

## Ayush Ippalapelli

*Evaluation of Physical Activity and Associated Psychosocial Factors According to Adolescent Weight Status*

Health Sciences

## Drew Johnson

*The Berry Best Way to Organize the Fragaria genus*

Cell Biology Genetics and Genomics

## Shreya Kankanalapalli

*Biofilm formation and stress resistance in Group B Streptococcus*

Biochemistry and Molecular Biology

## Akshitha Karthikeyan

*Biofilm formation and stress resistance in Group B Streptococcus*

Biochemistry and Molecular Biology

## Elizabeth Klein

*Evaluation of Adolescent Physical Activity and Associated Psychosocial Factors According to Level of Income*

Health Sciences

## Sydney Kleiner

*Hitler's Music Box: The Politics of Music in Nazi Germany*

History Political Science and Economics

## Ben Kohler

*Exploring the Phenomenon of Self-Organized Criticality in Cancer Cell Growth through Computational Analysis of Sandpile Models*

Engineering Computer Science and Mathematics

## Linda Komis

*Mathematical Analysis of Tchoukaillon*

Engineering Computer Science and Mathematics

## Simon Lafleur

*Pupillometry and Visual Perception*

Psychology

## Michael LeTarte

*Laser Spot Position Stabilizing System for Laser Spectroscopy Experiments*

Physical Sciences

### **Medha Manepalli**

*Delivery of Healthy Eating and Physical Activity Interventions Involving Adolescents and Parents: A Systematic Review*  
Psychology

### **Lydia Mathews**

*Evaluation of Adolescent Physical Activity and Associated Psychosocial Factors According to Level of Income*  
Health Sciences

### **Tushya Mehta**

*Creativity in the Time of COVID-19: Our Relationship towards the Art We Make*  
Digital Humanities  
*How do students reason about Ca<sup>++</sup> accumulation during muscle contraction?*  
Education  
*Narrative Processing of Music: How Culture Influences Our Perception of Music*  
Psychology

### **Hannah Meltser**

*Medical Transportation On Campus*  
Health Sciences

### **Shayna Menzer**

*Post Concussion Patient Symptoms and Length of Recovery*  
Kinesiology

### **Erica Morrissey**

*Beam Design Guided by the Internal Strain Field*  
Engineering Computer Science and Mathematics

### **Aria Muchhal**

*Bayesian Persuasion and More*  
History Political Science and Economics

## **Briggsies Presenting In-Person April 14, 1:00 p.m., Breslin Center**

Some Briggsies are presenting multiple projects. Some Briggsies are presenting the same project. Names are alphabetized by presenter last name. All will be in the main arena.

### **Paige Alexander**

*Throw Out the Honey, Bring Out the Catfish: Examining the Effectiveness of Calliphoridae (Diptera) Bait*  
Agriculture and Animal Science

### **Maude Antol**

*Confirming the Binding Site of Experimental Drugs*  
Biochemistry and Molecular Biology

### **Georgia Berger**

*The influence of object properties on manual exploratory behaviors in infancy*  
Kinesiology

### **Marionna Bigelow**

*Carotenoid Proteins Involved in Cyanobacterial Photoprotection*  
Integrative and Organismal Biology

### **Brenna Bischer**

*Grain Shape Analysis of Mars Regolith Simulant MGS-1 and Lunar Regolith Simulant LHS-1*  
Physical Sciences

### **Bailey Bowcutt**

*Investigation of Antibiotic Resistance and Virulence Genes using Whole-Genome Sequencing of Human Shiga toxin-producing Escherichia coli Isolates from Wyoming, 2002-2020*  
Microbiology Immunology and Infectious Disease

### **Harsna Chahal**

*A one-year follow-up of children screening for behavioral health symptoms during a 2020 pediatric well-child visit: Does functional impairment predict poorer outcomes?*  
Psychology

## Leya Chambo

*Interparental Conflict and Youth Antisocial Behavior: Exploring the moderating role of delinquent peer affiliation*

Psychology

## Shreya Chavva

*Changes in egg characteristics and egg yolk and forage antioxidant profile across the grazing season in a Southern Ohio-based pasture-raising system for layer hens*

Nutrition and Food Science

## Atef Choudhury

*Life Satisfaction and the Neighborhood: The Role of Informal Social Control and Fear of Crime*

Psychology

## Jackson Den Houter

*The Rosaceae Family: Determining Evolutionary Diversity Within Metabolic Gene Clusters*

Cell Biology Genetics and Genomics

## Shriya Desai

*Using the Scanning Electron Microscope to compare the surface of dorm AC filters and home AC filters*

Engineering Computer Science and Mathematics

## Marisa Digiuseppe

*The Role of the Circadian Period in Adaptation to Environmental Cycles*

Plant Sciences

## Frank Dolecki

*Relationship Between Speech and Non-Speech Synchronization*

Psychology

## Caroline Downes

*Functional Characterization of KIT and RARA Oncogenes in MMTV-myc Model*

Cell Biology Genetics and Genomics

## Nithya Gogineni

*Interparental Conflict and Youth Antisocial Behavior: Exploring the moderating role of delinquent peer affiliation*

Psychology

## Shubh Gorantla

*Grain Shape Analysis of Mars Regolith Simulant MGS-1 and Lunar Regolith Simulant LHS-1*

Physical Sciences

## George Hale

*The Rosaceae Family: Determining Evolutionary Diversity Within Metabolic Gene Clusters*

Cell Biology Genetics and Genomics

## Hannah Hua

*Expression of Mast Cell Proteases in a Mouse Model of Inflammatory Pain*

Neuroscience

## Daisy Jakkula

*The Peltier Effect and Medical Applications*

Health Sciences

## Krystal Jang

*The effects of bright and dim light on fertility in female mice*

Neuroscience

## Mia Jones

*How Ethics Plays A Role In The Medical Field*

Health Sciences

## Saif Juma

*Ultrasound Image Analysis of Femoral Subchondral Bone in Knee OA*

Kinesiology

## Harshit Kandpal

*Properties of Directed Abelian Sandpiles*

Engineering Computer Science and Mathematics

## Shreya Kankanalapalli

*Group B Streptococcus*

Biochemistry and Molecular Biology

## Akshitha Karthikeyan

*Group B Streptococcus*

Biochemistry and Molecular Biology

## Jason Kazmierczak

*Examining the Effectiveness of a Scalable Psychological Intervention for Reducing COVID-19 Stress in Medical Professionals*

Psychology

## Linda Komis

*EEGs as a tool to indicate driving fatigue*

Health Sciences

## Anne Lemek

*Environmental temperature alters the host range of a virulent bacterial pathogen*

Microbiology Immunology and Infectious Disease

## Abigail Lippert

*The development of art through mathematical discoveries during the Renaissance*

Engineering Computer Science and Mathematics

## Nolan Lucera

*Effects of Rai-1 Gene Deletion on Sleep and Circadian Rhythm in Diurnal Rodents*

Neuroscience

## Celia Madrid Manez

*Properties of Directed Abelian Sandpiles*

Engineering Computer Science and Mathematics

## Naim Mashni

*Life Satisfaction and the Neighborhood: The Role of Informal Social Control and Fear of Crime*

Psychology

## Julia Matalon

*Phenolics biochemical variability among hybrids in response to varying N fertilizer and biostimulant applications*

Biochemistry and Molecular Biology

## Rohith Nadella

*Interaction of Lipid Droplet Associated Proteins with plant membranes and wax esters explored with molecular simulation*

Biochemistry and Molecular Biology

## Vasudha Nimmagadda

*cDNA Library Synthesis and Gene Cloning to Study Protein-Protein Interactions in COVID-19*

Biochemistry and Molecular Biology

## Allison O'Donnell

*Blood Pressure Assessment in Postmenopausal Hypertensive Females: are there benefits to measure seated blood pressure more than once?*

Health Sciences

## Jasmine Parker

*The impact of HIV on black women living in rural communities.*

Epidemiology and Public Health

## Sanjana Pingili

*Undergraduate students' interpretations of COVID-19 data and data representations*

Diversity and Interdisciplinary Studies

## Lilja Plumert

*Niche Partitioning in Bocas del Toro, Panama between *Dendrobates auratus* and *Oophaga pumilio**

Integrative and Organismal Biology

## Sanjanasri Pothuraju

*A one-year follow-up of children screening for behavioral health symptoms during a 2020 pediatric well-child visit: Does functional impairment predict poorer outcomes?*

Psychology

## Megha Pratapwar

*Impacts of exposure from per- and polyfluoroalkyl substances on the infant gut microbiome*

Epidemiology and Public Health

## Rania Rafiq

*An Assessment of How Net-Zero is Valued in the Stock Market*

Business

## Rhea Raut

*EEGs as a tool to indicate driving fatigue*

Health Sciences

## Anushree Ravi

*Impacts of gut microbiota on child development: a description of the study population*

Epidemiology and Public Health

## Joseph Romanelli

*Empathy as Predictor of Well-Being and Health Developments in Adulthood*

Psychology

## Max Rybak

*Unpacking the Bacterial Riches of Deep Loess Soil: Separating Mixed Colonies*

Cell Biology Genetics and Genomics

## Karthick Prem Satheesh Kumar

*Grain Shape Analysis of Mars Regolith Simulants MGS-1, MGS-1C, and MMS*

Physical Sciences

### **Hibah Siddiqui**

*Life Satisfaction and the Neighborhood: The Role of Informal Social Control and Fear of Crime*

Psychology

### **Sejla Sinanovic**

*FirstStep2Health: Effects on Reducing Parents' Perceived Stress and Improving Coping*

Health Sciences

### **Kenneth Sun**

*A Longitudinal Look at Lyrics: A Text Analysis of Pop Music*

Psychology

### **Sevak Thirunavukkarasu**

*Gaze Characteristics During Bimanual Reaching*

Neuroscience

### **Rahul Vallurupalli**

*Grain Shape Analysis of Mars Regolith Simulants MGS-1, MGS-1C, and MMS*

Physical Sciences

### **Avani Vinod**

*Interparental Conflict and Youth Antisocial Behavior: Exploring the moderating role of delinquent peer affiliation*

Psychology

### **Julia Walton**

*A New Form of Bioremediation: Algae's Potential as a Biosorbent Material to Combat Heavy Metal Pollution*

Plant Sciences

### **Sunyoung You**

*FirstStep2Health: Effects on Reducing Parents' Perceived Stress and Improving Coping*

Health Sciences

### **Leah Zajac**

*The Rosaceae Family: Determining Evolutionary Diversity Within Metabolic Gene Clusters*

Cell Biology Genetics and Genomics

### **Kennedy Zarembski**

*Fiber Intake of Toddlers in a Michigan Cohort*

Nutrition and Food Science

### **Anna Zarka**

*A Survey of Potato Protein Content in Commercial Cultivars and MSU Potato Breeding Program Material and Comparison Between Planting Years and Location*

Agriculture and Animal Science

## **Briggsies Presenting In-Person April 14, 3:00 p.m., Breslin Center**

Some Briggsies are presenting multiple projects. Some Briggsies are presenting the same project. Names are alphabetized by presenter last name. All will be in the main arena.

### **Navid Ali**

*Breaking the Cycle: Harnessing Soybean Resistance to Combat Soybean Cyst Nematode*

Plant Sciences

### **Marieke Anderson**

*Assessing a Critical Making Pedagogy*

Education

### **Ananyaa Asthana**

*Evaluating the protection of less diversified diets against folate deficiency in breastfeeding mothers during severe drought*

Anthropology and Archeology

### **Marine Avequin**

*The Change of a Narrative Plot Based on Acoustic Cues*

Psychology

### **Manvir Bamrah**

*The Effects of Blue Light Exposure on Cognition after a Night of Sleep Deprivation*

Psychology

### **Sara Bauer**

*Gaze characteristics during bimanual reaching*

Kinesiology

### **Zoe Biggans**

*Observations of Student Teams in a Critical Making Class*



### **Katie Bullock**

*To what extent is an agency's implementation climate associated with improved social communication outcomes over the course of a parent-mediated intervention trial for autistic children in the Medicaid system??*

Psychology

### **Kailyn Butler**

*The Disruptive Effects of Estrogen Removal Before Puberty on Risk for Binge Eating in Female Rats*

Neuroscience

### **Harsna Chahal**

*Understanding Contributing Factors of Menstrual Stigma in Universities to Address Barriers to Period Product Accessibility*

Sociology

### **Brenna Chetan**

*Simulating lunar formation from a giant impact using an Astrophysical N-body code*

Physical Sciences

### **Zach Dhaem**

*The Role of Aryl Hydrocarbon Receptor Polymorphisms in Modulating 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD)-induced HMGCR expression*

Pharmacology and Toxicology

### **Frank Dolecki**

*Sensorimotor Synchronization in Adults Who Do and Do Not Stutter*

Linguistics Languages and Speech

### **Megan Fuller**

*Gaze characteristics during bimanual reaching*

Kinesiology

### **Matthew Gagea**

*Phosphatidylserine-exposing Annexin A1-positive Extracellular Vesicles: Potential Cancer Biomarkers*

Health Sciences

### **Pia Gandrothu**

*Immediate Memory or Initial Concentration Scores on Length of Recovery*

Kinesiology

### **Meghana Gogineni**

*Does moving to sound help improve judgments about timing?*

Psychology

### **Katrina Halgren**

*Autoimmune regulator deficiency causes T and B cell infiltration into the epididymis*

Microbiology Immunology and Infectious Disease

### **Makayla Hart**

*Processing of motor skills learning such as balance in those with gymnastics experience and no gymnastics experience*

Kinesiology

### **Sabrina Hobson**

*Insect Identification Accuracy Through the Use of Commercially Available Apps*

Agriculture and Animal Science

### **Ceridwyn Hunter**

*Light Absorption of Reef Communities*

Environmental Science and Natural Resources

### **Nupur Huria**

*Understanding Contributing Factors of Menstrual Stigma in Universities to Address Barriers to Period Product Accessibility*

Sociology

### **Adam Jaros**

*Training a Neural Network for TPC Particle Identification*

Physical Sciences

### **Kierra Jursch**

*Mouse Estrous Acyclicity in Response to Shift Work-Like Lighting*

Health Sciences

### **Zach Kam**

*Diffusion Reasoning Consistency among Undergraduate Students*

Education

## Meena Kannan

*Effects of virus-like particle-based Tau vaccine on Hippocampal pro-inflammatory response in a mouse model of Alzheimer's disease*

Psychology

## Anita Kompalli

*Gaze characteristics during bimanual reaching*

Kinesiology

## Krishna Kottai

*Estimating PFAS exposure in Michigan as a result of local fish consumption*

Pharmacology and Toxicology

## Grace Krajewski

*The Role of Digital Media Use and Mother Education in Preschoolers' Language and Literacy Development*

Education

## Jamie Liebold

*Per and Polyfluorinated Substances Dysregulate Gap Junctional Intercellular Communication*

Pharmacology and Toxicology

## Marissa Malleck

*Vibrio cholerae regulates cyclic di-GMP in response to zinc via horizontally acquired VSP-2 genomic island*

Microbiology Immunology and Infectious Disease

## Tushya Mehta

*Chronic stress increases SGK1 gene expression in the ventral tegmental area (VTA)*

Neuroscience

## Kenna Morgan

*Airbag Efficacy in Varying Collision Scenarios*

Engineering Computer Science and Mathematics

## Shrihan Nalamati

*How hair cortisol is related to physical activity and eating behavior among parent-preschooler dyads*

Health Sciences

## Aaditi Nambiar

*Stay-Play-Talk Intervention via Telepractice for Typically Developing Siblings of Children with Disabilities*

Social Science General

## Kaushik Paladugu

*Cloning Her-2 Gene using novel cloning method SLiCE*

Biochemistry and Molecular Biology

## Jasmine Parker

*Diffusion Reasoning Consistency among Undergraduate Students*

Education

## Natalia Portales

*Assessing the Gaps in Arctic Marine Mammal Datasets and Organizing Data for Usability*

Environmental Science and Natural Resources

## Ben Potts

*Gaze characteristics during bimanual reaching*

Kinesiology

## Paige Seidell

*The Change of a Narrative Plot Based on Acoustic Cues*

Psychology

## Maya Shah

*Diffusion Reasoning Consistency among Undergraduate Students*

Education

## Nikhita Sharma

*Processing of motor skills learning such as balance in those with gymnastics experience and no gymnastics experience*

Kinesiology

## Tanmay Shekhar

*Does moving to sound help improve judgments about timing?*

Psychology

## Laura Stephan

*Characterizing the Immune Response upon Benzene Exposure during Pregnancy*

Microbiology Immunology and Infectious Disease

## Kenneth Sun

*A New Method to Solve Quantum Bound State Problems by Extrapolating from Low-rank Solutions*

Physical Sciences

## **Sevak Thirunavukkarasu**

*Gaze characteristics during bimanual reaching*  
Kinesiology

## **Shae Thompson**

*Female Alchemists in the Spanish Golden Age*  
Humanities

## **Lorenzo Thrasher**

*Comparison of Guitar String Tones to their  
Microstructure and Composition*  
Engineering Computer Science and Mathematics

## **Chaitanya Vadlamudi**

*Building a Tissue Cutting Device*  
Physical Sciences

## **Srihita Veeramachaneni**

*Racial bias in likeliness to shoot among Police*  
Psychology

## **Joey Vieregge**

*Diffusion Reasoning Consistency among  
Undergraduate Students*  
Education

## **Lexi Zydeck**

*Effects of Mild TBI and Treatment Option Modeled in  
mini Yucatan Pigs*  
Neuroscience