The 12th Annual
Fall Undergraduate Research Festival

Wednesday, November 10, 2021
4:30pm-6:30pm

University of Iowa
University Capitol Centre
2nd floor South Atrium
Iowa City, Iowa
This event is hosted by the Iowa Center for Research by Undergraduates.

ICRU promotes undergraduate involvement in research and creative projects at the University of Iowa, serving students, staff, and faculty.

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The 2021 Fall Undergraduate Research Festival (FURF) is proud to showcase visual presentations focusing on the research and creative work performed by undergraduates at the University of Iowa. Presenters work in over 40 different departments and major in over 35 different disciplines, representing a broad range of sciences, arts, and humanities.

Odd numbered posters will present from 4:30-5:30PM
Even numbered posters will present from 5:30-6:30PM

**Please note that at 5:30, all of the boards will be turned around to show the even numbering and the second hour presenters’ posters**

Many thanks to all of the people who make FURF a possibility - all undergraduates presenting their research and creative work, all poster judges, all mentors of undergraduate researchers, the Office of the Provost, the Office of the Vice President for Research and Economic Development, and the ICRU Research Ambassadors.

Programs with full abstracts are available on the ICRU website.

**Upcoming ICRU Events and Opportunities**
- Excellence in Undergraduate Research Award - February 1, 2022
- Distinguished Mentor Award - February 1, 2022
- ICRU Research Fellowship Applications Due:
  * Summer - April 1, 2022
  * Academic Year - April 22, 2022
- Research in the Capitol - February 21, 2022
- Spring Undergraduate Research Festival (SURF) - TBA
4:30-5:30PM Presenters
(odd numbers only)

1 - Andrew Behrens
*Three-Dimensional Coverage Maps in the Assessment of Chopart Subluxation in Progressive Collapsing Flatfoot Deformity*
Major: Biomedical Engineering
Mentor: Dr. Kevin Dibbern (Orthopedics)

3 - Scott Bell
*Macrophages harbor a Cryptococcus neoformans mutant with irregular extracellular proliferation*
Major: Biomedical Engineering
Mentor: Dr. J. Muse Davis (Pediatrics)

5 - Esme Belzer
*Interaction of humic acid and uranyl cations in aqueous environments*
Majors: Chemistry | Statistics
Mentors: Dr. Tori Forbes, Dmytro Kravchuk (Chemistry)

7 - Reese Bobitt
*Who Should Be Should Held Accountable For the Climate Refugee Crisis?*
Major: Political Science
Mentor: Dr. Brian Lai (Political Science)

9 - Cecelia Bonilla
*Juvenile Justice: The Incarceration of Youth in the U.S.*
Major: Criminology
Mentor: Dr. Karen Heimer (Sociology & Criminology)

11 - Hunter Briggs
*Coronal bone rotation of the medial column in hallux valgus: A retrospective case control study with Weight-Bearing-CT assessment.*
Major: Health & Human Physiology
Mentors: Drs. Cesar de Cesar Netto, Matthieu Lalevee, Dr. Kevin Dibbern (Orthopedic Functional Imaging Laboratory)
13 - Joshua Brown
Laying the groundwork for identifying neurodevelopmental impacts of PCB exposure during adolescence
Majors: Public Health
Mentor: Dr. Hans-Joachim Lehmler (Occupational & Environmental Health)

15 - Theodore Byrnes
Operationalizing Email Informality in the Flint Water Crisis
Majors: Chinese | Linguistics (TESL)
Mentor: Dr. Louise Seamster (Sociology & Criminology)

17 - Megan Christianson
Majors: History | International Relations
Mentor: Dr. Tyler Priest (History)

19 - Maddy Daley
Probing Structural Evolution of Stationary Phase in Chemical Separations with Free Energy Imaging
Majors: Chemistry | Music | Science Education
Mentors: Dr. Max Lei Geng, Hong Bok Lee (Chemistry)

23 - Samuel Eliasen
Cypermethrin Induces Changes in Fetal Microglia Populations and in Placental Immune Cells
Major: Neuroscience
Mentor: Dr. Hanna Stevens (Psychiatry)

25 - Laura Evans
Facial Twitching In Sleeping Human Infants: Expression Of Emotion Or Mere Movement?
Major: Neuroscience
Mentors: Drs. Mark Blumberg and Greta Sokoloff (Psychological & Brain Sciences)

27 - Jordan Ewald
Toxicity of Novel Radiopeptides on Stem Cells
Major: Biomedical Engineering
Mentors: Drs. Sue O'Dorisio and Claudia Robles (Pediatrics)
29 - Meghan Funk
Determining whether aberrant vasopressin concentrations persist postpartum
Major: Mathematics
Mentor: Dr. Donna Santillan (Obstetrics & Gynecology)

31 - Bailey Garnica
The Role of ARHGAP29 in Keratinocyte Migration
Major: Health & Human Physiology
Mentor: Dr. Martine Dunnwald (Anatomy & Cell Biology)

33 - Sophia Gilbert
The Direction of Lesbian Organizing During the Reagan-Bush Era
Majors: History  |  Political Science
Mentor: Dr. Leslie Schwalm (History)

35 - Noah Gilkes
The role of type I interferon signaling in mice following experimental traumatic brain injury.
Major: Neuroscience
Mentor: Dr. Elizabeth Newell (Pediatrics)

37 - Will Golay
Spectroscopic Instrumentation for Small Optical Telescopes
Majors: Astronomy  |  Physics
Mentor: Drs. Robert Mutel, Caroline Roberts (Physics & Astronomy)

39 - Sean Michael Gomendoza
Validate PR regulators by CRISPR interference (CRISPRi)-mediated transcriptional repression
Major: Biomedical Sciences
Mentor: Dr. Xiangbing Meng (Pathology)

41 - Maria Gorham
Language, Social Stratification, and “Vínculos:” How the paisa dialect constructs social identity in Medellín, Colombia
Major: Spanish
Mentor: Dr. Kristine Muñoz (Spanish & Portuguese)

43 - Wesley Hanson
Evaluation of Novel Receptors Facilitating Ebolavirus Infection of Human Keratinocytes
Major: Microbiology
Mentor: Dr. Wendy Maury (Microbiology & Immunology)
45 - Reagan Hart
“Injure Their Reputation, and Terminate Their Life”: Privacy for Venereal Disease Patients in Early Modern England
Major: History
Mentor: Dr. Elizabeth Yale (History)

47 - Bailey Hollis
Possible Neurodegenerative Impact of SARS-CoV-2 (COVID-19) on the Human Brain
Major: Health & Human Physiology
Mentor: Dr. Li-Chun (Queena) Lin (Iowa Neurobank Core)

49 - Madi Holm
Comparing AHA gold standard blood pressure measurement in pregnant women to electronic home monitoring and clinical measurement
Major: Nursing
Mentors: Drs. Debra Brandt, Donna Santillan (Obstetrics & Gynecology)

51 - Hiatt Holman
The Effect of a State’s Human Rights Record on Their Extradition Requests
Majors: Political Science | Ethics & Public Policy
Mentor: Dr. Brian Lai (Political Science)

53 - Lillian Jones
A scalable passive method for the quantification of airborne allergens
Major: Chemistry
Mentor: Dr. Elizabeth Stone (Chemistry)

55 - Andrew Kain
Biological vs Artificial Intelligence: Can Either Solve the Subdivided Concentric Rings Categorization Task?
Major: Neuroscience
Mentor: Dr. Ed Wasserman (Psychological & Brain Sciences)

57 - John Kamp
“It Ought to Be Possible”: The Kennedy Administration, Black Radicalism, and the Civil Rights Movement, 1963
Majors: Political Science | History
Mentor: Dr. Landon Storrs (History)
59 - Hanna Konavaluk
Comparison between geochronologic and geochemical provenance models for Cretaceous sedimentary rocks in Southwestern Montana
Major: Geoscience
Mentors: Drs. Kenny Horkley, Emily Finzel (Earth & Environmental Science)

61 - Hannah McCumber
Tracking Bacterial Colonization In Association With The F508del Cystic Fibrosis Mutation
Major: Biology

63 - Abby Morrison
Measuring Differences in the Glucocorticoid Receptor’s Interactome Using APEX2
Major: Biochemistry
Mentor: Dr. Miles Pufall (Biochemistry & Molecular Biology)

65 - Jack Motz
“Rudy Thinks He’s Batman”: Koch, Giuliani, and Dinkins in the 1989 Race for Mayor
Majors: English | History
Mentor: Dr. Tyler Priest (History)

67 - Sophia Nopoulos
Defining Clinical Progression of Juvenile-Onset Huntington’s Disease: An Enroll-HD Analysis
Major: Biology
Mentor: Dr. Jordan Schultz (Psychiatry)

69 - Rachel Orpano
Hormonal control of stem cell initiation in the fern Ceratopteris richardii.
Major: Biochemistry
Mentor: Dr. Chi-Lien Cheng (Biology), Chris Youngstrom (Biology)

71 - Benjamin Pappas
The role of iRhom2-dependent signaling pathways in colorectal cancers
Major: Biomedical Sciences
Mentor: Dr. Thorsten Maretzky (Internal Medicine)
73 - Katherine Pauley
*Exploring the Efficacy of Inhalation Aromatherapy in the Oncology Population: A Narrative Review*
Major: Nursing
Mentor: Dr. Catherine Cherwin (Nursing)

75 - Cade Rahlf
*Calmodulin Binds Conserved Motifs in Fibroblast Growth Factor Homologous Factors*
Major: Biochemistry
Mentor: Dr. Madeline Shea (Biochemistry & Molecular Biology)

77 - Olivia Rauzi
*Retirement in the United States: Gender Gap, Covid-19 Impacts, and Solutions to Accumulate More Wealth*
Major: Finance
Mentor: Dr. Catherine Zaharis (Finance)

79 - Ana Rodriguez
*Simulating Molecular Diffusion in Separation Science*
Major: Interdepartmental Studies
Mentors: Dr. Max Lei Geng, Hong Bok Lee (Chemistry)

81 - Grant Salvucci
*Investigating genetic interactions between genes encoding the Myb oncoprotein and key repressive chromatin and insulator binding proteins.*
Major: Biology
Mentor: Dr. John Manak (Biology)

83 - Sushma Santhana
*Measuring Tunnel Placement in ACL Reconstruction from Weight Bearing CT*
Major: Biomedical Engineering
Mentor: Dr. Donald Anderson (Orthopedics & Rehabilitation)

85 - Sophia Shubatt
*Best Practices for Teaching Higher Education in Iowa Prisons*
Majors: Criminology, Law, & Justice | Political Science
Mentor: Dr. Stephanie DiPietro (Sociology and Criminology)
87 - Jack Smith
*Cosolvent Effects on Crystallization of Novel Uranium Dimer*
Majors: Neuroscience  |  Biochemistry
Mentor: Dr. Tori Forbes, Samantha Kruse (Chemistry)

91 - Michael Toops
*Pseudomonas aeruginosa biofilm sterilizing on Thermoelectric Devices*
Major: Chemical & Biochemical Engineering
Mentor: Dr. Eric Nuxoll (Chemical & Biochemical Engineering)

93 - Emerson Tran Lam
*Potential Electrochemical Applications in Green Chemistry*
Major: Chemistry
Mentor: Dr. Christian Haas (Chemistry)

95 - Cally Tucker; Joshua Peterson
*Mice with DRP1 Depletion in Skeletal Muscle are Resistant to Age-related Weight Gain Associated with Activation of Endoplasmic Reticulum-dependent Stress Response.*
Majors: Neuroscience  |  Biochemistry; Biology  |  Biochemistry
Mentor: Dr. Marcelo Correia (Internal Medicine)

97 - Zach Vig
*Using a Camsizer to improve grain-size based Hydraulic Conductivity Estimates*
Majors: Physics  |  Geology
Mentor: Dr. Emily Finzel (Earth & Environmental Sciences)

99 - Rachael Volkman
*Characterizing the role of indirect-projecting D1-MSNs in movement and interval timing*
Major: Neuroscience
Mentor: Dr. Kumar Narayanan (Neurology)

101 - Matthew Wells
*SETDB1 Promotes Tumor Growth Through Suppression of Macrophage Infiltration Into the Tumor Microenvironment*
Major: Human Physiology
Mentor: Dr. Shujie Yang (Pathology)
103 - Amisha Mohanty; Isabel Meade; Allen Li; Maryam Mohammed

*Foreign Policy - The Effective Use of Force in Human Rights Interventions*

Majors: International Relations  |  Economics ; Political Science; Business; International Relations
Mentor: Brian Lai (Political Science)

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**5:30-6:30 Presenters (even numbers only)**

2 - Kesten Anderson

*Training and Certification in Transcranial Magnetic Stimulation*

Major: Neuroscience
Mentor: Dr. Kanchna Ramchandran (Internal Medicine)

4 - Laxmi Annapureddy; Emily Severino

*The Role of Parental Input and Dialogue in Children's Number Processing Development: A Behavioral Study*

Majors: Neuroscience  |  Journalism & Mass Communication; Psychology  |  Criminology, Law, & Justice
Mentor: Dr. Ece Demir-Lira (Psychological & Brain Sciences)

6 - Shalini Birari

*Tracking the dissemination of Leishmania Infantum in mice*

Major: Microbiology
Mentor: Dr. Mary Wilson (Microbiology & Immunology)

8 - Daniel Bloch

*Eastern Iowa Dune Orientation as a Proxy for Effective Wind-Direction During the Late-Wisconsinan*

Major: Environmental Hydroscience
Mentor: Dr. Phil Kerr (Earth & Environmental Science)

10 - Nicole Boodhoo

*The role of the 5-HT2c receptor on breathing and mortality following an induced seizure in amygdala kindled mice: the possible role of corticosterone*

Major: Biomedical Sciences
Mentor: Dr. Gordon Buchanan (Neurology)
12 - **Christian Brandt**  
*Computational Analysis of Mutation In Kv8.2*  
Major: Biochemistry  
Mentor: Dr. Shelia Baker (Biochemistry & Molecular Biology)

14 - **Brianna Brenneke**  
*Establishment of the functional monolayer of human pancreatic beta cells as a model to study interactions of intracellular organelles*  
Major: Biomedical Engineering  
Mentor: Dr. Yumi Imai (Internal Medicine)

16 - **Benjamin Colbert**  
*Analyzing Correlations between Self-Report and Accelerometer-based Physical Activity Assessment Across Activity Levels*  
Major: Human Physiology  
Mentor: Dr. Laura Frey-Law (Physical Therapy & Rehabilitation Sciences)

18 - **Kalynn Culver**  
*TRPM7 and TYRP1 detoxify melanin-synthesis: a shared pathway involving zinc?*  
Major: Biology  
Mentor: Dr. Robert Cornell (Anatomy & Cell Biology)

20 - **Cole Dorman**  
*The Development of the MAGIC Magnetic Screening Apparatus*  
Majors: Physics  |  Astronomy  
Mentor: Dr. David Miles (Physics & Astronomy)

22 - **Joshua Doucette**  
*Search for Dark Matter in mono-H(bb) channel with the ATLAS detector*  
Majors: Physics  |  Mathematics  
Mentor: Dr. Usha Mallik (Physics & Astronomy)

24 - **Grace Drinane**  
*Blood pressure measurements in pregnant women comparison of the American Heart Association guidelines to inpatient clinical measurement*  
Major: Human Physiology  
Mentor: Dr. Donna Santillan (Obstetrics & Gynecology)
26 - Bridget Easler
Obtaining Baseline Characteristics of Longitudinal Study Participants with Clinically Isolated Syndrome and Relapsing-Remitting Multiple Sclerosis
Major: Public Health
Mentor: Dr. Terry Wahls (Internal Medicine)

28 - Greg Eckley
Sensitivity of white oak growth to past climate variability in eastern and central Iowa
Majors: Environmental Science | Spanish
Mentor: Dr. Matthew Dannenberg (Geographical & Sustainability Sciences)

30 - Khalid Elhadi
Effect of the Morphine Metabolite M3G on VEGF Protein Expression in SPARC-null Intervertebral Discs
Major: Health & Human Physiology

32 - Hanlong Fan
Complex Rule Learning in Pigeons
Major: Psychology
Mentor: Dr. Leyre Castro (Psychological & Brain Sciences)

34 - Hope Fury
Regulatory T Cells Require the Transcription Factor GATA3 for Optimal Suppression of Graft-versus-Host Disease
Major: Biomedical Sciences
Mentor: Dr. M Nedim Ince (Internal Medicine)

36 - Alexandra Gilchrist
Consequences of Pay for Play
Major: Accounting
Mentor: Dr. Andrew Hosmanek (Management & Entrepreneurship)

38 - Megan Grunst
Carbon Fiber Ankle Foot Orthoses in Individuals with Impairments: A Systematic Review
Major: Biomedical Engineering
Mentor: Dr. Jason Wilken (Physical Therapy & Rehabilitation Sciences)
40 - Henry Hammer
*Frequency Correlation Measurements of Wavefront-shaped Light in Round, Square, and Rectangular Multimode Fiber Core Geometries*
Majors: Physics | Mathematics
Mentor: Dr. Ravitej Uppu (Physics & Astronomy)

42 - Maxwell Herrmann
*Automation and Quality Control for Upgrades to the CMS Outer Tracker*
Majors: Physics | Mathematics
Mentors: Drs. Jane Nachtman, Yasar Onel (Physics & Astronomy)

44 - Ben Hinz
*In silico and in vivo analysis of amino acid substitutions that cause laminopathies*
Major: Biomedical Engineering
Mentor: Dr. Lori Wallrath (Biochemistry & Molecular Biology)

46 - Madeleine Hodgson
*Acceptability of mHealth blood pressure monitoring in pregnant women*
Major: Communication Studies
Mentors: Drs. Debra Brandt, Donna Santillan (Obstetrics & Gynecology)

48 - John Horne
*Detection of emerging Volatile Organic Compounds using infrared spectroscopy*
Majors: Physics | Astronomy
Mentor: Dr. Tom Folland (Physics & Astronomy)

50 - Brandon Hu
*A Novel Treatment Strategy for Drug Resistant Melanoma Cells*
Major: Biomedical Engineering
Mentors: Drs. Christopher Stipp, Maurine Neiman (Biology)

52 - Lauren Johnson
*Holding Out For a Hero(ine): A Postfeminist Analysis of Superhero Stories from the 1980s*
Major: History
Mentor: Dr. Tom Midtrød (History)
54 - Spenser Johnson
*Superoxide dismutase mimetic GC4419 sensitizes head and neck cancer to conventional fractionated and stereotactic body radiation therapy combined with cisplatin.*
Major: Biochemistry
Mentors: Drs. Melissa Fath, Doug Spitz (Radiation Oncology)

56 - Preston Johnson
*Examining the Effects of Mood and Anxiety on Functional Outcomes in Schizotypy*
Major: Neuroscience
Mentor: Dr. Amanda McCleery (Psychological & Brain Sciences)

58 - Allysa Jones
*Effect of stimulation of serotonergic terminals in the PPT on arousal*
Major: Neuroscience
Mentor: Dr. Gordon Buchanan (Neurology)

60 - Jack Lauer
*Breaking Bread: The Equal Rights Amendment and the Politicization of Foodways, 1972-1982*
Majors: History | Gender, Women's & Sexuality Studies
Mentor: Drs. Landon Storrs (History) and Caroline Radesky (History | Gender, Women's & Sexuality Studies)

62 - Linette Leng
*Radiation-induced long-term endothelial senescence and barrier damage.*
Majors: Spanish | Interdepartmental Studies - Health Sciences
Mentors: Drs. Karima Ait-Aissa and Isabella Grumbach (Internal Medicine)

64 - Bin Rui Li
*Establishment of Two Patient-derived Neuroendocrine Carcinoma Spheroid and Xenograft Models for Drug Testing*
Majors: Medical Anthropology | Music
Mentor: Dr. Po Hien Ear (Surgery)

66 - Haley Lightfoot
*Exploring the Synthesis and Formation of Extended Uranyl Solid Materials Though a Mild Temperature Flux Reaction*
Major: Chemistry
Mentor: Dr. Tori Forbes (Chemistry)
68 - Alexandra Loren
Early Timepoint Prenatal Stress and its Effects on GABAergic Migration
Major: Neuroscience
Mentor: Dr. Hanna Stevens (Psychiatry)

70 - Haley Losh
Overcoming aggressive p53 mutations in gynecologic cancer
Major: Neuroscience
Mentors: Drs. Kimberly Leslie and Kristi Thiel (Obstetrics & Gynecology)

72 - Pedro Marra
Mortality among patients with sepsis associated with a bispectral electroencephalography (BSEEG) score
Major: Biomedical Sciences
Mentors: Drs. Gen Shinozaki (Psychiatry), Sangil Lee (Emergency Medicine)

74 - Katie McAllister; Yuvraj Thakor
Theory-based, Student-Delivered Health Coaching Intervention Improves Physical Activity
 Majors: Health & Human Physiology; Health & Human Physiology
Mentor: Drs. Lucas Carr, Erin Litton (Health & Human Physiology)

76 - Delia Mozqueda
Digitization of the Switching Stroop Task
Major: Neuroscience
Mentor: Dr. Kanchna Ramchandran (Internal Medicine)

78 - Claire Murphy
Decreased phosphatidylglycerol synthesis increases daptomycin resistance in C. difficile
Major: Microbiology
Mentor: Dr. Craig Ellermeier (Microbiology & Immunology)

80 - Stella Murphy
COVID-19 Vaccine Hesitancy Among African Immigrant Populations in Johnson County, IA: A Qualitative Study
Major: Public Health
Mentor: Dr. William Story (Community & Behavioral Health)

82 - Ethan Page
Life along the Mississippian Corridor 900-1200 AD
Majors: Art History | Anthropology
84 - Ryan Parian
*Cooling Tests for the Barrel Timing Layer of the Compact Muon Solenoid Detector*
Major: Physics
Mentor: Dr. Jane Nachtman (Physics & Astronomy)

86 - Sydney Pearl
*Mechanisms of COVID-19 Related Poor Pregnancy Outcomes*
Major: Biomedical Sciences
Mentor: Dr. Donna Santillan (Obstetrics & Gynecology)

88 - Isa Perales
*Nuclear lamina distortion is not sufficient to cause checkpoint activation in Drosophila GSCs*
Major: Biochemistry
Mentor: Dr. Pamela Geyer (Biochemistry & Molecular Biology)

90 - Camellia Pham
*Antiquated Past and Storm-Tossed Modernity: Rethinking Comparative Modernisms through Intercultural Translation in Vietnam and China*
Majors: Comparative Literature | Chinese
Mentor: Dr. Adrienne Rose (Comparative Literature, Classics)

92 - John Piaszynski
*LESYM A: A Statistical Tool For Analyzing Neurological Data*
Majors: Statistics | Computer Science
Mentor: Dr. Kanchna Ramchandran (Internal Medicine)

94 - Andrea Kathryn Pingol
*Evaluating concordance between patient self-reported and provider-documentation symptoms during treatment of cancer*
Major: Nursing
Mentors: Dr. Stephanie Gilbertson-White, Alaa AlBashayreh, Dr. Catherine Cherwin (Nursing)

96 - Amanda Qi
*Dual PI3K/Akt and HDAC Inhibitor, CUDC-907, Effectively Inhibits Obesity-Driven Endometrial Cancer Tumor Growth*
Major: Biomedical Sciences
Mentor: Dr. Shujie Yang (Pathology)
98 - Salvatore Quaid
*Projective Black Holes*
Majors: Physics | Astronomy | Mathematics
Mentor: Dr. Vincent Rodgers (Physics & Astronomy)

100 - Ajla Rahmanovic
*The Impact of COVID-19 on Pregnant Women*
Major: Public Health
Mentors: Drs. Donna Santillan, Debra Brandt (Obstetrics & Gynecology)

102 - Madeline Rhomberg
*Calcium Signaling Involvement in Spiral Ganglion Neuron Pathfinding in Response to Biochemical Cues*
Major: Health & Human Physiology
Mentors: Drs. Marlan Hansen, Ray Fagenbaum (Otolaryngology) Allen Guymon (Chemical & Biochemical Engineering), Joseph Vecchi (Molecular Physiology & Biophysics)

104 - Jackson Russian
*Memorialization of the Confederacy in Iowa - (1890-1920) vs. (1990-2020)*
Major: History
Mentor: Dr. Nicholas Yablon (History)

106 - Jacob Sindt
*Development of Next Generation Mid-Infrared Sensors for Monitoring Emissions of Greenhouse Gases and Volatile Organic Compounds*
Major: Electrical Engineering
Mentor: Dr. Fatima Toor (Electrical & Computer Engineering)

108 - Regan Smock
*The Impact of Sexual Assault Prevention Education on Bystander Intervention at Iowa*
Major: Sociology
Mentor: Dr. Mary Noonan (Sociology & Criminology)

110 - Ayushi Sood
*Ceramide Regulated Gene modulates adipose tissue metabolism*
Major: Microbiology
Mentor: Dr. Bhagirath Chaurasia (Internal Medicine)
112 - Tuan Truong
*The Roles Of The Dorsomedial Striatum & The Dorsolateral Striatum In Rat Category Learning*
Majors: Neuroscience | Health & Human Physiology
Mentors: Dr. John Freeman, Matthew Broschard (Psychological & Brain Sciences)

114 - Demir Tuken; Eva Donnelly
*The Acceptability and Efficacy of an Active Sitting Device among Sedentary Office Workers*
Majors: Biomedical Engineering | Health & Human Physiology
Mentors: Drs. Lucas Carr, Nathaniel Jenkins (Health & Human Physiology)

116 - Joseph Verry
*Heart Failure Medications are Associated with Long-Term Improvement in LV Systolic Function in Patients with Chemotherapy-Induced Cardiomyopathy*
Major: Biomedical Engineering

118 - Grant Welk
*Innate Immune responses associated with viral, bacterial, and parasitic infection stress of the NAD metabolome*
Major: Biochemistry
Mentor: Dr. Charles Brenner