The 9th Annual Fall Undergraduate Research Festival

Wednesday, November 14, 2018
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 2018 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 8, 2019
- Distinguished Mentor Award - February 8, 2019
- ICRU Research Fellowship Applications Due:
  - *Summer* - March 1, 2019
  - *Academic Year* - March 29, 2019
- Research in the Capitol - April 1, 2019
- Spring Undergraduate Research Festival (SURF) - April 17, 2019
1 - Benjamin Allington
Skeletal muscle-specific DRP1 deficiency is associated with attenuated high fat diet-induced weight and adiposity gain, improved glucose tolerance, augmented energy expenditure, and elevated expression of FGF21
Major: Biochemistry
Mentor: Marcelo Correia (Internal Medicine)

3 - Maeve Bittle
PCB Masses in Home PUF Samples inside and outside East Chicago Homes
Major: Environmental Engineering
Mentor: Rachel Marek (Civil and Environmental Engineering)

5 - Glorie Borsay
Understanding pathogen persistence in soil through a Terrarium Experiment
Major: Global Health Studies
Mentors: Brinda Shetty (Biology), Kelly Baker (Occupational and Environmental Health)

7 - Claire Carmichael
The Effects of Transverse Aortic Banding on Cardiac Hypertrophy
Major: Biology
Mentor: Jamie Soto (Internal Medicine)

9 - Kevin Chen
Reduced Renal Response to Vasopressin in preeclampsia
Major: Human Physiology
Mentor: Eric Devor (Obstetrics and Gynecology)

11 - Akanksha Chilukuri
Effects of Preeclampsia on Neurodevelopment of Offspring
Majors: Neuroscience, Biochemistry
Mentor: Hanna Stevens (Psychiatry)

13 - Greg Collins
Inducible Deletion of OPA1 in the Heart Induces ER stress that Precedes Mitochondrial and Contractile Dysfunction
Major: Human Physiology
Mentors: E. Dale Abel (Internal Medicine), Helena Kenny (Internal Medicine)
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<tr>
<th></th>
<th>Name</th>
<th>Project Title</th>
<th>Major(s)</th>
<th>Mentor(s)</th>
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<td>Brandon Cooley</td>
<td>Treatment of Preeclampsia: The Role of Aspirin in Gene Expression</td>
<td>Biology</td>
<td>Donna Santillan (Obstetrics and Gynecology), Eric Devor (Obstetrics and Gynecology)</td>
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<td>17</td>
<td>Jacquelyn Danover</td>
<td>Information Overload in Annual 10k Financial Reporting: FASB Disclosure Framework and Its Effect on 10k Length and Investor Perceptions</td>
<td>Accounting</td>
<td>Samuel Melessa (Accounting)</td>
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<td>Lauren Davis</td>
<td>Effects of High Blood Pressure Related to Pregnancy on Vasopressin Receptor Expression</td>
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<td>Donna Santillan (Obstetrics and Gynecology)</td>
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<td>Jonathan Dolde</td>
<td>Making Sense of System Logs: Implementing centralized system log storing, indexing, querying, and visualizing software on a heterogeneous network</td>
<td>Physics, Applied Physics, Computer Science</td>
<td>Cristi Gleason (Accounting)</td>
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<td>Julianna Feracota</td>
<td>ASC 606: Impacts on Revenue Disclosure</td>
<td>Accounting, Dance</td>
<td>Cristi Gleason (Accounting)</td>
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<td>Yuwei Guo</td>
<td>Activation of endogenous BMP2 in human cell by CRISPR-Cas9 SAM based synthetic transcription factor technology</td>
<td>Biochemistry</td>
<td>Huojun Cao (Endodontics)</td>
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<td>Morgan Hardiman</td>
<td>Analysis of NFL Viewership Ratings</td>
<td>Business Analytics and Information Systems</td>
<td>Jeffrey Ohlmann (Management Sciences)</td>
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<td>Cameron Hauser</td>
<td>The involvement of the locus coeruleus in waking up in response to CO2</td>
<td>Human Physiology</td>
<td>Gordon Buchanan (Neurology)</td>
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31 - Elise Heitmann
Getting Nauti: The Necessity of Textual Evidence in Caribbean Underwater Archaeology
Major: Anthropology
Mentor: James Enloe (Anthropology)

33 - Olivia Kane
Of Prophecy and Christianity: Thomas of Ercildoune and the Intersection of Christianity and Magic in Medieval Scotland in Literature
Majors: History, English
Mentor: Michael Moore (History)

35 - Khaled Kayali
Effects of Cypermethrin and Stress on the Embryonic Brain
Major: Biomedical Engineering
Mentor: Hanna Stevens (Psychiatry)

37 - Cory Rude
Scintillator X
Majors: Physics, Astronomy
Mentors: Jane Nachtman (Physics and Astronomy), Yasar Onel (Physics and Astronomy)

39 - Yi Xuan Khoo
Virtual Showdown: An Accessible Virtual Reality Game with Scaffolds for Youth with Visual Impairments
Majors: Informatics, Psychology
Mentor: Kyle Rector (Computer Science)

41 - Lyndi Kiple
Museums Matter: A Descriptive & Comparative Analysis of Iowa’s Museums
Major: Chemistry
Mentor: Heidi Lung (Anthropology)

43 - Allison Kusick
How Old is the Osborne Intrusion? Using the pXRF to Find Datable Minerals in the Osborne Core
Major: Geoscience
Mentor: David Peate (Earth and Environmental Sciences)
45 - Aishwarya Kothapalli
*Long-Term Outcomes of Patients with Anomalous Head Position Due to Nystagmus and Strabismus treated with a Modified Anderson-Kestenbaum Procedure*
Major: Human Physiology
Mentors: Alina Dumitrescu (Ophthalmolog and Visual Sciences), Arlene Drack (Ophthalmology and Visual Sciences)

47 - Kathryn Kuennen
*Archaeological Little Barley: A Carbonization Experiment*
Majors: Anthropology, Ancient Civilizations
Mentor: James Enloe (Anthropology)

49 - Sarah Lauer
*Honor and Shame in the Sagas of Icelanders: Women’s Struggle for Influence during the Icelandic Commonwealth*
Majors: History, Anthropology
Mentor: Michael Moore (History)

51 - Anqi Li, Qing Lian
*Stock evaluation*
Majors: Finance; Accounting, Business Analytics and Information Systems
Mentor: Tong Yao (Finance)

53 - Mary Li
*Mutation in CTNNA2 gene Associated with Cleft Palate in Sub-Saharan African Populations*
Major: Neuroscience
Mentor: Azeez Butali (Oral Pathology, Radiology, and Medicine)

55 - Tianyi Li
*Identification and quantification of winter time pollution sources in Nepal*
Major: Environmental Sciences
Mentor: Md. Robiul Isalm (Chemistry), Betsy Stone (Chemistry)

57 - Yitong Li
*Accessible Tools for Students who are blind or low vision in Computer Science Learning*
Major: Computer Science
Mentors: Brandon Myers (Computer Science), Kyle Rector (Computer Science)
59 - Joshua Larson
*Sparking Passion for Plasma: Creating undergrad experiments to foster interest in plasma physics*
Majors: Physics, Electrical Engineering
Mentors: David Miles (Physics and Astronomy), Bob Merlino (Physics and Astronomy)

61 - Dani Lipman
*Characterizing the Structure of the Martian Bowshock*
Majors: Physics, Astronomy
Mentor: Jasper Halekas (Physics and Astronomy)

63 - Brianna Lupo
*Molecular mechanisms of gene regulation*
Majors: Biology, Biochemistry
Mentor: Catherine Musselman (Biochemistry)

65 - Zachary Luppen
*Integration, Testing and Automation for the Europa Clipper REASON Instrument at the NASA Jet Propulsion Laboratory*
Majors: Astronomy, Physics
Mentor: Tushar Thrivikraman (NASA Jet Propulsion Lab)

67 - Jared McGinnis
*Eliminating Oxygen Inhibition during Photopolymerization Reactions*
Major: Chemical Engineering
Mentor: Julie Jessop (Chemical and Biochemical Engineering)

69 - Emily McLain
*Taking Temperature: Looking at Student Experiences*
Majors: Communication Studies; Criminology, Law, and Justice
Mentor: Wayne Jacobson (Office of Assessment)

71 - Camille Mumm
*Investigating the regulation of human and zebrafish periderm enhancers*
Majors: Biology, Informatics
Mentor: Robert Cornell (Anatomy and Cell Biology)

73 - Taryn O’Brien
*Efficacy of antibody injections as a treatment for premature blindness*
Major: Biology
75 - Jennifer Ong

Skin-resident dendritic cell populations are altered in Bullous pemphigoid, an autoimmune blistering disease
Major: Biology
Mentor: Kelly Messingham (Dermatology)

77 - Pooja Patel

OPA1 Deficiency in BAT Results in Increased Cold Tolerance, Despite Impaired Mitochondrial Function in Female Mice
Major: Biomedical Sciences
Mentor: Renata Pereira (Internal Medicine)

79 - Allison Peroutka

Phosphonic Acid Functionalized Electrospun Nanofibers for Uranium (VI) Uptake
Major: Chemical Engineering
Mentors: Tori Forbes (Chemistry), Dave Cwiertny (Civil and Environmental Engineering)

81 - Megan Powers

Factors impacting Lucinid bivalve and seagrass symbioses within the Sanibel-Captiva area, SW Florida
Major: Environmental Science, Biology
Mentor: Bradley Cramer (Earth and Environmental Sciences)

83 - Guowei Qi

Automating Protein Structural Refinement
Majors: Biochemistry, Mathematics, Computer Science
Mentor: Michael Schnieders (Biochemistry)

85 - Emily Silich

HaloSat: a CubeSat Mission in Search of Missing Baryons
Majors: Astronomy, Physics, Mathematics
Mentor: Philip Kaaret (Physics & Astronomy)

87 - Nicholas Stange

An Analysis of Iowa Off-Highway Vehicle Roadway County Ordinances
Major: Biomedical Sciences
Mentors: Gerene Denning (Emergency Medicine), Charles Jennissen (Emergency Medicine)
89 - Jordyn Steinkritz
*The Current Retirement Status & Cost Analysis*
Major: Finance
Mentor: Cathy Zaharis (Finance)

91 - Gustave Stewart
*Inequality, Urban Goods, and Participatory Budgeting within Brazil*
Majors: Political Science, Economics
Mentor: Elise Pizzi (Political Science)

93 - Hanxi Tang
*Gut microbiota composition is significantly affected by a seizure-causing mutation in fruit flies*
Major: Biology
Mentors: Toshihiro Kitamoto (Anesthesia), Patrick Lansdon (Anesthesia)

95 - Emma Thayer
*255 nm light emitting diode (LED) in combination with Bleach (NaClO) is more effective in killing E. faecalis in root canal therapies*
Major: Human Physiology
Mentor: Kim Brogden (Iowa Institute for Oral Health Research)

97 - Jamie Tigges
*Mesopredator influence on Passeriformes*
Major: Environmental Science
Mentor: Heather Sander (Geographic and Sustainability Sciences)

99 - Nitya Virippil
*The benefits of sublethal radiation in parasitically infected mice*
Major: Human Physiology
Mentors: Prajwal Gurung (Internal Medicine), Matthew Yorek (Internal Medicine)

101 - Olivia von Gries
*Analyzing Geometrical Composition Strategies in Renaissance Painting*
Majors: Art History, Studio Art
Mentor: Robert Bork (Art History)

103 - Kathleen Wade
*Analyzing Wind and Particulate Matter Around Lake Michigan*
Major: Chemical Engineering
Mentor: Charles Stanier (Chemical Engineering)
105 - Lexy Wadsworth
*Identifying Gene Targets to Combat Resistance in Melanoma Treatment*
Major: Human Physiology
Mentor: Adam Dupuy (Anatomy and Cell Biology)

107 - Rion Wendland
*Tagging of Batten Disease Protein for Observation*
Major: Biomedical Engineering
Mentors: Luke Wiley (Ophthalmology and Visual Sciences), Kristan Worthington (Biomedical Engineering)

109 - Michael Westphal
*OPA1 Deficiency in Brown Adipose Tissue Prevents Diet-Induced Obesity and Insulin Resistance in Mice*
Majors: Human Physiology
Mentors: Renata Pereira (Internal Medicine), E. Dale Abel (Internal Medicine)

111 - Cheng Zha
*Real-time Air Pollution Alerting System*
Major: Biomedical Engineering
Mentor: Sarah Vigmostad (Biomedical Engineering)

113 - Lexi Zocher
*An examination of brain regions activated in CO2-induced arousal from sleep*
Major: Human Physiology
Mentor: Gordon Buchanan (Neurology)

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

2 - Brittany Allendorf
*Evaluation of keratinocyte cytokine production as a potential mechanism of autoimmunity in Bullous pemphigoid*
Major: Human Physiology
Mentor: Kelly Messingham (Dermatology)

4 - Maya Altemeier
*Characteristics of Staff-Resident mealtime verbal communication and relationship with intake in Nursing Home Residents with Dementia*
Majors: Public Health, Biochemistry
Mentors: Wen Liu (College of Nursing), Ryan Carnahan (College of Public Health)
6 - Isabella Penniston
Examine Depression and Anxiety in Rural Advanced Cancer Patients Receiving the OASIS Intervention
Major: Nursing
Mentor: Stephanie Gilbertson-White (Nursing)

8 - Joseph Burba
Clinically Isolated Calmodulin Mutations and their Effects on Calcium-Dependent Ligand Binding
Major: Biochemistry
Mentor: Madeline Shea (Biochemistry)

10 - Aimee Butler
Disulfiram and copper with standard of care therapies increases small cell lung cancer toxicity
Major: Microbiology
Mentors: Douglas Spitz (Free Radical and Radiation Biology), Melissa Fath (Free Radical and Radiation Biology)

12 - Claire Carlson
Testing aquaculture techniques on the growth rates of macroalgae in Tarpon Bay, SW Florida
Majors: Environmental Science (Hydroscience), Geoscience

14 - Grace Coen
Stress Induced Translocation of Cyclin C Regulates Cardiac Mitochondrial Dynamics
Major: Biochemistry
Mentor: Chad Grueter (Internal Medicine), Jessica Ponce (Internal Medicine)

16 - Mackenzie Conlon
Assessing the role of ASIC1A in cocaine self-administration in mice
Major: Biomedical Sciences
Mentor: John Wemmie (Psychiatry)

18 - Jesse Cochran
To go Keto, or not to go Keto: That is the question
Major: Chemistry, Biology, Biochemistry
Mentor: E. Dale Abel (Internal Medicine)

20 - Zachary Dierks, Kierra Pauly
A Chip Off the Old Rock: The Identification of Raw Materials of Lithic Debris and Artifacts at Woodpecker Cave
Majors: Anthropology, History; Anthropology
Mentor: James Enloe (Anthropology)
22 - Alayna Dieter
*Congenital skeletal muscle-specific DRP1 deficiency attenuates weight gain during high fat diet but does not alter glucose intolerance, energy expenditure or permeabilized skeletal muscle fiber respiration in female mice*
Major: Biochemistry
Mentor: Marcelo Correia (Internal Medicine)

24 - Ethan Everhart
*Comstock, Comedy and Conservatism*
Major: History
Mentor: Alyssa Park (History)

26 - Gwyneth Forsythe
*Girl Guides: Claiming a Place in the Public Sphere*
Majors: Theatre Arts, History
Mentors: Jeffrey Cox (History), Lisa Schlesinger (Theatre Arts)

28 - Jeremy Friedman
*The Impact of Internal and External Factors on Logical Decision-Making*
Major: Finance
Mentor: Thomas Rietz (Finance)

30 - Christina Grimes
*Changes in neuronal firing in the infralimbic cortex throughout cocaine self-administration, extinction and reinstatement*
Major: Psychology
Mentors: Ryan LaLumiere (Psychological & Brain Sciences), Victoria Muller Ewald (Psychological and Brain Sciences)

32 - Rebecca Hauser
*Auditory Evoked Potentials in Hybrid Cochlear Implant Listeners*
Major: Speech and Hearing Science
Mentor: Inyong Choi (Communication Sciences and Disorders)

34 - Nicole Hehr
*Activation of Retinal Glial Cells after Traumatic Brain Injury*
Major: Ancient Civilizations
Mentor: Alexander Bassuk (Pediatrics, Neurology)

36 - Rana Hewezi
*Resistance to Diet-Induced Obesity in Mice Lacking OPA1 in FatTissue Occurs Independently of Fat-Derived FGF21*
Major: Philosophy
Mentor: Renata Pereira (Internal Medicine)
38 - Hannah Hildahl
Antibody producing plasma cells are present in lesional skin of Bullous pemphigoid patients
Major: Human Physiology
Mentor: Kelly Messingham (Dermatology)

40 - Jianwei Hu
Finding of the 3-Hydroxypropionic acid (3-HP) binding site on MmsR Lys-R family transcriptional factor
Major: Biomedical Engineering
Mentor: Ernesto Fuentes (Biochemistry)

42 - Qiutong Jin
Terahertz Continuum Generation in the LCS Lattice
Major: Electrical Engineering
Mentor: David Andersen (Electrical and Computer Engineering)

44 - Abinav Jyotis
Pharmacological manipulation of the rat cerebellar cortex at crus I disrupts performance in an interval timing task
Major: Biochemistry
Mentor: Krystal Parker (Psychiatry)

46 - Vijay Kamalumpundi
Detergent based screening to discover components of the mitochondrial pyruvate carrier complex
Major: Human Physiology

48 - Mila Kaut
The African Methodist Episcopal Church and Black Print Culture in Iowa
Majors: History, Music, and Gender, Women’s, and Sexuality Studies
Mentor: Leslie Schwalm (History)

50 - Leo Kazma
Insulin stimulation increases ER-Mito contacts
Major: Human Physiology
Mentors: E. Dale Abel (Internal Medicine), Antentor Hinton (Internal Medicine)

52 - Benjamin Kirk
OPA-1 deficiency promotes muscle atrophy through upregulating ER-Mito contacts and Autophagy
Major: Biomedical Sciences
Mentors: E. Dale Abel (Internal Medicine), Antentor Hinton (Internal Medicine)
54 - Samuel Kitzman
Understanding the role of Barrier to autointegration in a premature aging syndrome
Major: Biochemistry
Mentor: Pamela Geyer (Biochemistry)

56 - Jared Kowalski
Is the desire of taking a company public dying?
Major: Finance
Mentor: Jeffrey Hart (Finance)

58 - Ross Lanier
Characterizing a new factor of chemotherapeutic resistance in childhood leukemia
Major: Biochemistry
Mentor: Miles Pufall (Biochemistry)

60 - Adrian Les
Using Electrochemistry to Measure Polymer Compressibility
Major: Chemistry
Mentor: Johna Leddy (Chemistry)

62 - Emma Lewis
The Role of Steroidal Pathways in Placental Cell Migration
Majors: Human Physiology, Medical Anthropology
Mentors: Mark Santillan (Obstetrics and Gynecology), Sabrina Scroggins (Obstetrics and Gynecology)

64 - Dacia Lipkea
Population structuring and phylogenetic inference in a species of tropical fly using double digest RAD markers
Major: Biology
Mentors: Robin Bagley (Biology), Andrew Forbes (Biology)

66 - Ben Martin
Endothelial Glycocalyx Microvascular Function in Human Preeclampsia
Major: Health and Human Physiology
Mentor: Gary Pierce (Health and Human Physiology)

68 - Caroline Meek
Creating Global Writing Communities
Major: English and Creative Writing
Mentor: Cate Dicharry (International Writing Program)
70 - Megan Merfeld
The Role of the Prefrontal Cortex in Visual Categorization in Rats
Major: Psychology
Mentor: John Freeman (Psychological and Brain Sciences)

72 - Madison Merfeld
Evaluating the Role of ASIC1A in the Sedative Effects of Alcohol
Major: Biology
Mentors: John Wemmie (Psychiatry), Brian Dlouhy (Neurosurgery)

74 - Jeremiah Meyer, Justin Rowell
Depth From Above: A photographic analysis of occupation levels and artifact frequency at Woodpecker Cave
Majors: Medical Anthropology; Ancient Civilizations, Anthropology
Mentor: James Enloe, Anthropology

76 - Cameron Moeller
How it Went Down: Geospatial Analysis of Rockfall at Woodpecker Cave
Majors: History, International Relations
Mentor: James Enloe (Anthropology)

78 - Pooja Patel
Analysis of replication protein A (RPA) complex consisting of rpa-1, rpa-2, and rpa-4 subunits and its roles in meiosis and double-stranded break repair
Major: Biomedical Sciences
Mentor: Sarit Smolokove (Biology)

80 - Ashley Morris
Meteorites Versus Meteor-Wrongs
Major: Geoscience
Mentor: David Peate (Earth and Environmental Sciences)

82 - Marissa Mueller
Assessing Objective Estimates of Physical Activity using ActiGraph Accelerometers
Major: Biomedical Engineering
Mentors: Laura Frey-Law (Physical Therapy and Rehabilitation Science), Ruth Chimenti (Physical Therapy and Rehabilitation Science)

84 - Timothy Nguyen
Identification of novel tumor suppressors in estrogen receptor positive breast cancer by an in vitro/in vivo genome-wide CRISPR screen
Major: Biology
Mentor: Songhai Chen (Pharmacology)
86 - Mara O’Connor
The relationship between Autism-associated genetic mutations with behavioral performance and brain activity
Major: Human Physiology
Mentors: Hanna Stevens (Psychiatry), Jessica DeWitt (Psychiatry)

88 - Ryan Reis
266 Monoclonal Antibodies Screened For Blocking Activity of Breast Cancer, Melanoma and Glioblastoma Cell Tumor Formation in a 3D Model Reveals A Central Role for Cell Surface Molecule Integrin α-3 β-1
Major: Biomedical Sciences
Mentor: David Soll (Biology)

90 - Marissa Roseman
Do parasites help drive life history variation in natural populations?
Majors: Biology, Environmental Science
Mentor: Maurine Neiman (Biology)

92 - Mitchell Schaffer
Modeling Muscle Fatigue: Identifying Fatigue Behavior with Limited Data
Major: Biomedical Engineering
Mentor: Laura Frey-Law (Physical Therapy and Rehabilitation Science)

94 - Hayden Schultz
STEM Innovator™: Portfolio Assessment of Innovation, Invention & Entrepreneurial Skills and Mindsets
Major: Business Analytics, Finance
Mentor: Leslie Flynn (John Pappajohn Entrepreneurial Center)

96 - Nicholas Shaw
LINCing the nucleus and the cytoplasm in muscle
Majors: Biochemistry, Psychology
Mentor: Lori Wallrath (Biochemistry)

98 - Phoebe Snydersmith
Effect of Feedback on Women's Self-Esteem
Major: Psychology
Mentor: Teresa Treat (Psychological and Brain Sciences)

100 - Andrew Textor
Correcting for Electron Scattering in Thin Polymer Films to Improve Nano-scale Devices Fabricated Using Electron Beam Lithography
Major: Chemical Engineering
Mentor: Aju Jugessur
102 - Jacob Thompson
Microstructured, Photopolymerized Chitosan-PEG Hydrogels for Retinal Tissue Engineering
Major: Biomedical Engineering
Mentor: Kristan Worthington (Biomedical Engineering)

104 - Brandon Toth
The Role of Lateral Hypothalamic Leptin Receptor Signaling in Metabolic Regulation and Behavior
Majors: Neuroscience, Biochemistry
Mentor: Huxing Cui (Pharmacology)

106 - Michael Westphal
Deletion of Mitochondrial Protein Protects against Diet-Induced Obesity and Insulin Resistance
Major: Human Physiology
Mentor: Renata Pereira (Internal Medicine)

108 - Alexis Williams
Analysis of Pathologies in the UI-Stanford Osteological Collection
Majors: Biology, Anthropology
Mentor: Lara Noldner (Office of the State Archaeologist)

110 - Mikayla Wymore
Tuning Chemical Properties and Applications of Metal Complexes by Modifying Ligands
Majors: Chemistry, Biochemistry
Mentor: Scott Daly (Chemistry)

112 - Alexandria Yakes
Is White Collar Crime White? Racialization of Offenders in Print Media
Major: Ethics and Public Policy
Mentor: Marina Zaloznaya (Sociology)

114 - Lucee Laursen
Ethics in the Government’s Taking of Private Land
Major: Ethics and Public Policy
Mentor: Takis Poulakos (Rhetoric)