

2 Wellman Hall, Moderator: Samantha Price

- 1:00 PM **Hoeft, Evan - Evolution, Ecology and Biodiversity**  
Fineness and Phylogeny in Freshwater and Marine Fishes
- 1:15 PM **Proffitt, Allison - Biological Sciences**  
Surveying Size: Body Size Transitions Between Freshwater and Saltwater Fishes
- 1:30 PM **Nagaraj, Maya - Undeclared—Life Sciences**  
Just Keep Swimming: Caudal Peduncle Diversity in Marine and Freshwater Fishes
- 1:30 PM **Estrada, John - Animal Science**  
Just Keep Swimming: Caudal Peduncle Diversity in Marine and Freshwater Fishes
- 1:45 PM **Brockelsby, Kasey - Evolution, Ecology and Biodiversity**  
Fish Heads and Habitats: Diversity Within Teleost Head Morphology and the Trends Seen in Relation to Habitat
- 1:45 PM **Maas, Lauren - Animal Science**  
Fish Heads and Habitats: Diversity Within Teleost Head Morphology and the Trends Seen in Relation to Habitat
- 2:00 PM **Vary, Laura - Marine and Coastal Science—Marine Ecology and Organismal Biology**  
A Study of Body Diversity in Teleost Fishes as It Relates to Marine and Freshwater Environments
- 2:00 PM **Danao, Mailee - Biological Sciences**  
A Study of Body Diversity in Teleost Fishes as It Relates to Marine and Freshwater Environments

6 Wellman Hall, Moderator: Barbara Blanco-Ulate

- 1:00 PM **Hong, Jason - Biochemistry and Molecular Biology**  
Bioluminescence Resonance Energy Transfer (BRET)-Based Synthetic Sensor Platform for Drug Discovery
- 1:15 PM **Flores, Amber - Plant Biology**  
Plasticity of Vascular Structure and the Implications on Fruit Quality in Tomato
- 1:30 PM **Paz, Dean - Cell Biology**  
Pathogen Recognition by Plant Immune Receptors
- 1:45 PM **Nagourney, Alexander - Biochemistry and Molecular Biology**  
Common Themes in Animal and Plant Immunity
- 2:00 PM **Ramirez, Eduardo - Biochemistry and Molecular Biology**  
Analysis of Stomatal & Pavement Cell Densities in Tomato Introgression Lines Reveals Parental Traits Governed by Specific Regions of the Genome
- 2:15 PM **Adaskaveg, Jaclyn - Genetics and Genomics**  
Genotyping of Double Mutants in Transcription Factors That Regulate Tomato Fruit Ripening

26 Wellman Hall, Moderator: TBA

- 1:00 PM **Tucker, Liann - Sociology**  
Peer Influence of Adolescent Depression
- 1:15 PM **Lafreniere, Marrisa - Psychology**  
Addressing Postpartum Depression With Preventative and Educational Measures: A Review of Literature
- 1:30 PM **Makepeace, Caroline - Human Development**  
Successful Caregiver Strategies to Engage Preschool Children With Autism
- 2:00 PM **Keith, Acacia - Religious Studies**  
Religious Concerns in Abortion Policy
- 2:15 PM **Kim, Angela - American Studies**  
Blepharoplasty as Domestication of the Asian: Constructing Korean Identities by White Hands

106 Wellman Hall, Moderator: Mariana Barboza Gardner

- 1:00 PM **Penrod, Corinne - Pharmaceutical Chemistry**  
The Stereoselective Synthesis of Indolines via C-H Bond Insertion
- 1:15 PM **Aristov, Michael - Chemistry**  
Adventures in Ruthenium Chemistry
- 1:30 PM **Garcia, Tomas - Pharmaceutical Chemistry**  
Novel Cinchona Alkaloid-Derived Thioureas for Asymmetric Reactions
- 1:45 PM **Kwong, Ada - Pharmaceutical Chemistry**  
Synthesis of Gyramide-Bound Photoaffinity Reagents for DNA Gyrase
- 2:00 PM **Rios, Cassandra - Genetics and Genomics**  
Uncovering the Role of PLK-1 During *C. elegans* Spermatogenesis

107 Wellman Hall, Moderator: Michael Collins

- 1:00 PM **Rios, Hugo - International Relations**  
The Yugoslav Crisis: Applicable Lessons on Nationalism
- 1:15 PM **Mark-Bachoua, Gabrielle - Philosophy**  
Misnomers and Malpractice: Preserving Ancestry and Eliminating Biological Race from Medicine
- 1:30 PM **Park, Wesley J. - Philosophy**  
Time-Relative Interests and Infanticide
- 1:45 PM **Franco, Konrad - Economics**  
Lower Tail Earnings Inequality and Crime
- 2:00 PM **Soba, Danielle - International Relations**  
Neocolonialism in Nigeria: Old System of Oppression - New Beast
- 2:15 PM **Kim, Sung - History**  
The Significance of Russo-Japanese War and the Treaty of Portsmouth

119 Wellman Hall, Moderator: Karen Ryan

- 1:00 PM **Soltanzadeh Zarandi, Sina - Neurobiology, Physiology and Behavior**  
Neuroprotective Potential of Psychedelics
- 1:15 PM **Kwong, Stephen - Neurobiology, Physiology and Behavior**  
Characterization of Embryonic Stem Cell Derived Retinal Ganglion Cells
- 1:30 PM **Jin, Yihan - Biological Sciences**  
Investigating the Interaction of Molecular Signaling and Neuronal Activity in Retinotopic Map Formation
- 1:45 PM **Vieira, Candice - Biochemistry and Molecular Biology**  
Characterizing the Structure and Function of the Amygdala in an Inducible Mouse Model of Fragile X-Associated Tremor/Ataxia Syndrome (FXTAS)
- 2:00 PM **Valentine, Kevin - Biochemistry and Molecular Biology**  
Evidence for an Imbalance in Brain Excitatory/Inhibitory Activity in a Mouse Model of FXTAS
- 2:15 PM **Neverova, Ekaterina - Neurobiology, Physiology and Behavior**  
Cellular Pathology and Behavioral Characterization of an Inducible Mouse Model of Fragile X-Associated Tremor/Ataxia Syndrome (FXTAS)

126 Wellman Hall, Moderator: Jillian Azevedo

- 1:00 PM **Naseer, Misbah - Political Science**  
Where Is the Honor: Why Was 2016 the Year Pakistan Finally Decided to Act on Honor Killings?
- 1:15 PM **Wright, Brian - History**  
Sovereignty and Slavery: Southern Whigs, a "British Conspiracy" and the Annexation of Texas
- 1:30 PM **Vargas Diaz, Oswaldo - History**  
German, Jewish, and Queer: Exclusionary State Policies and Alfons Zinkower's Global Odyssey, 1917-1985
- 2:00 PM **Dombrowski, Miriam - History**  
The Campaign to Criminalize Marital Rape in California
- 2:15 PM **Nguyen, Hedda Hieu - International Relations**  
The Vietnam War Newspapers: The Press, the People, and the President

202 Wellman Hall, Moderator: Daniel Potter

- 1:00 PM **Murray, Kaitlin - Neurobiology, Physiology and Behavior**  
Postnatal Development of Mediastinal Lymph Nodes Can Affect Long-Term Immune Function
- 1:15 PM **Torres, Teresa - Microbiology**  
Microbiota-Induced Epithelial PPAR- $\gamma$ -Signaling Thwarts Dysbiotic Pathogen Expansion
- 1:30 PM **De La Torre, Ubaldo - Animal Science**  
Utilization of Feces to Examine the Gut Microbiota of Foals From Birth to Weaning
- 1:45 PM **Swedek, Michelle - Biomedical Engineering**  
Characterizing the Microbiota-Gut-Brain Axis in a Murine Model of Pediatric Inflammatory Bowel Disease
- 2:00 PM **Duveneck, Alexander - Biological Sciences**  
Modulating Co-Culture of Bacteria Through Anti-Oxidants and Liposomes
- 2:15 PM **Chiu, Kwan Lun (Victor) - Biomedical Engineering**  
CRISPR-dCas9 Expands Dynamic Range of Gene Expression From T7 RNAP Promoters
- 2:15 PM **McCutcheon, Sean - Biomedical Engineering**  
CRISPR-dCas9 Expands Dynamic Range of Gene Expression From T7 RNAP Promoters

205 Wellman Hall, Moderator: Janine Lasalle

- 1:00 PM **Suarez, Sassan - Neurobiology, Physiology and Behavior**  
Context Fear Conditioned Mice Do Not Reliably Use the Presence of a Specific Odor to Predict the Presentation of a Mild Shock
- 1:15 PM **Chang, Alene - Biological Sciences**  
Examination of Cognitive Abilities in a MeCP2-e1 Deficient Mouse Model for Rett Syndrome
- 1:30 PM **Noronha, Adriana - Genetics and Genomics**  
Evaluating Social Preference in a Novel Female Mouse Model of Rett Syndrome
- 1:45 PM **Jianu, Julia - Biochemistry and Molecular Biology**  
Confirmation of Methylation Differences in Umbilical Cord Blood From Autism Subjects in the MARBLES Study
- 2:00 PM **Dileep, Gayathri - Neurobiology, Physiology and Behavior**  
Investigating Rbfox3 Sufficiency for SNORD116 RNA Cloud Formation
- 2:15 PM **Palmer, Rebecca - Animal Science**  
Validating the Methylation Status of Grb10 in the Augmented Maternal Care Paradigm

207 Wellman Hall, Moderator: Xueqi Li

- 1:00 PM **Staudenraus, Caroline - Sociology**  
Academic Preparation, Cosmopolitanism, and Self-Efficacy of Chinese International Students at UC Davis
- 1:15 PM **Do, Tiffany - Asian American Studies**  
The Campus-Community Debate: Re-Viewing Asian American Studies as a Community in the 1980s
- 1:30 PM **Klyver, John - Microbiology**  
Statistical and Narrative Medical Analysis of the Success of an Inner-City Clinic
- 1:45 PM **Morales, Anthony - Human Development**  
The Effectiveness of Exposing Prospective Transfer Students to University Life: A Pre-Post Test for the Discover UC Davis and Discover Weekend Events
- 2:00 PM **Achanta, Niveditha - Managerial Economics**  
Common Core State Standards' (CCSS) Effects on SAT Scores
- 2:15 PM **Pastor, Ilse - Cognitive Science**  
Testing Technology Breaks: A Novel Solution to Decrease the Impacts of Cell Phone Distractions on Academic Performance

212 Wellman Hall, Moderator: Naomi Janowitz

- 1:00 PM **Banathy, Gabrielle - Religious Studies**  
Modern Communities in Religion
- 1:15 PM **Rivera, George - Cognitive Science**  
Self-Regulation in Buddhism and Christianity: An Investigation of Hypo-Egoic Phenomena
- 1:30 PM **Alvarado, Cynthia - Religious Studies**  
"It's a Bird! It's a Plane! No, It's Comic Con!": Comic Con as a Site of Modern Day Religion
- 1:45 PM **Lin, Kristi - Landscape Architecture**  
Designing an Anti-Memorial to Land Lost
- 2:00 PM **Parsa, Viva - Sociology**  
Environmental Justice: People, Communities and Water Video Project
- 2:15 PM **Kise, Marguerite - American Studies**  
Environmental Justice: People, Communities and Water Video Project

216 Wellman Hall, Moderator: Cheryl Ross

- 1:00 PM **Gordon, Jacqueline - English**  
The Aesthetics of Nature and Art in Medieval Literature
- 1:15 PM **Bradley, RaNelle - Comparative Literature**  
Shakespeare's Adaptation of Golding's Venus and Adonis: From Narrative to Drama
- 1:30 PM **Pesola, Loretta - English**  
Mortality in British Romantic Poetry
- 1:45 PM **McCluskey, Madeline - English**  
Intentional Absurdities: Understanding Gertrude Stein's Nonrepresentational Literary Portraits of Picasso
- 2:00 PM **Schenkhuizen, Breanna - Comparative Literature**  
Percy Jackson and the Olympians: Adapting Greek Mythology for a Middle Grade Audience

226 Wellman Hall, Moderator: Kenneth Kaplan

- 1:00 PM **Gabbert, Allison - Cell Biology**  
TOR Complex 2-Ypk1 Signaling Regulates  
Caloric Restriction-Induced Autophagy Through  
the Calcium Channel Regulator Mid1
- 1:15 PM **Perucho Jaimes, Luis - Pharmaceutical  
Chemistry**  
The Role of Septins in Autophagy During  
Nutrient Starvation
- 1:30 PM **Tuan, Lo - Neurobiology, Physiology and  
Behavior**  
The Role of Autophagy in Sister Chromatid  
Resolution During Anaphase
- 1:45 PM **Begian, Marvin - Biological Sciences**  
Condensin Complexes Organize Tangled Sister  
Chromatids to Regulate Anaphase Progression
- 2:00 PM **Joseph, Najah - Cell Biology**  
Topological Signals That Trigger Regulation of  
the Spindle Associated Protein Bim1
- 2:15 PM **Hargis, Lauren - Genetics and Genomics**  
Biochemical Regulation of Bim1 Complexes in  
Response to Replication Stress

229 Wellman Hall, Moderator: Sarah Perrault

- 1:00 PM **Atamna, Doaa - English**  
The Functions of Grief and Elegy in the Poetry of  
Two Classical Arab Poetesses: Layla Al-  
Akhyaliyya and Al-Khansa
- 1:15 PM **Rudewicz, Lauren - English**  
Truth or Dolos: The Disconnect Between  
Language, Suffering, and Experience in  
Frankenstein and the Philoctetes
- 1:30 PM **Davis, Joshua - English**  
A Farewell to Alms: Hemingway's Development  
of American Existentialism
- 1:45 PM **Cony, Jacqueline - Comparative Literature**  
Language Contact in the Latin American Novel
- 2:00 PM **Araica, Alida - English**  
Hamilton and In the Heights: Constructing  
a Minority-American Identity
- 2:15 PM **Clogston, Michael - English**  
Mimicry and Performance in Asian-American  
Characters

230 Wellman Hall, Moderator: John Richards

- 1:00 PM **Pabon, Madelena - Neurobiology,  
Physiology and Behavior**  
Factors Related to Retention in a Longitudinal  
Study of Infants at Risk for Autism Spectrum  
Disorder (ASD)
- 1:15 PM **Grant, Connor - Neurobiology, Physiology  
and Behavior**  
Methamphetamine Abuse and Emergency  
Department Utilization: 20 Years Later
- 1:30 PM **Wang, Colin - Neurobiology, Physiology and  
Behavior**  
Cocaine- Versus Methamphetamine-Abusing  
Patients in the Emergency Department: How Do  
They Differ?
- 1:45 PM **Gizaw, Andreas - Biological Sciences**  
Correlates of Ethiopian Orthodox Church  
Attendance and Mental Health in Ethiopian  
Immigrants in the Greater Sacramento  
Metropolitan Area
- 2:00 PM **Mak, Tiffany - Psychology**  
Empathy, Anxiety, Sensitivity to Context, and  
Quality of Friendships
- 2:15 PM **Huang, Sabrina - Psychology**  
Effects of Ideal Trait Preferences and Interaction  
Context on Friendship Formation

233 Wellman Hall, Moderator: Sudhindra Tripathi

- 1:00 PM **Deng, William - Biochemical Engineering**  
Development of Software Capability to Enable  
3D Display of Scanning Probe Microscopy Images
- 1:15 PM **Mata, Rogelio - Physics**  
Evaluation of Dielectric Materials for Their  
Radiation Hardness
- 1:30 PM **Anderson, Tyler - Applied Physics**  
Electric Field Dependence of Scintillation Light  
Yield in Liquid Xenon
- 1:45 PM **Chen, Zekun - Chemical Engineering**  
Mechanical Study of Thermal Activation of  
Charged States in a Doped Organic  
Semiconductors
- 2:00 PM **Dalager, Olivia - Physics**  
Creation of a UV-Sensitive Silicon  
Photomultiplier Array for Use in the Davis Xenon  
Experiment

234 Wellman Hall, Moderator: Mark Huising

- 1:00 PM **Mume, Biftu - Microbiology**  
CDK9 Inhibitor Shown to Down Regulate HIV Latency Reactivation
- 1:15 PM **Andre, Camille - Biochemistry and Molecular Biology**  
Proinsulin Expression in Immature and Dysfunctional Beta Cells
- 1:30 PM **Ming-Whitfield, Brittni - Animal Science**  
Genome Wide Association Study of Juvenile Idiopathic Epilepsy (JIE) in Egyptian Arabian Foals
- 1:45 PM **Lu, WeiYu - Genetics and Genomics**  
Multi-Modal Sensation From *Culex quinquefasciatus*
- 2:00 PM **Nguyen, Don - Global Disease Biology**  
Newly Isolated Rubella Virus May Be Resistant to Current Vaccine-Derived Antibodies
- 2:15 PM **Chen, Christopher - Biochemistry and Molecular Biology**  
Kaposi's Sarcoma-Associated Herpesvirus Hijacks RNA Polymerase II to Create a Viral Transcriptional Factory