

2 Wellman Hall, Moderator: Susan Avila

- 3:00 PM **Cheng, Douagee - Design**
The Relationship Between Hmong Fashion and Hmong Women in the Central Valley
- 3:15 PM **Williams, Wyatt - Music**
Analyzing Popular Music: Identifying Elements of Popular Songs That Correlate to Success Within Specific Audiences
- 3:30 PM **Wong, Harley - Art History**
Restoring the Original: Gothic Architecture Reimagined
- 3:45 PM **Schultz, Katharine - Art History**
Uncovering Arcadia: A Re-Examination of William Blake's Illustrations to the Pastorals of Virgil
- 4:00 PM **Zittel, Helena - Art History**
Dickenson and Degas: Performing Ballet and Artistic Authority
- 4:15 PM **Lingel-Gary, Emma - Art History**
Patronage Trends of the Mogao Grottoes During the Northern Liang, Western Wei, and Tang Dynasties

6 Wellman Hall, Moderator: Volkmar Heinrich

- 3:00 PM **Fernandez-Rubio, Aleida - Neurobiology, Physiology and Behavior**
Decrease in Tumor Cell Viability After Treatment With KPT-330 Is Time-Dependent in Bladder Cancer Cell Lines T24 and UM-UC-3
- 3:15 PM **Francis, Emmet - Biomedical Engineering**
A Unique Look at Pure Chemotaxis in Human Neutrophils
- 3:30 PM **Zimmer, Julie - Biomedical Engineering**
Characterizing the Unique Phagocytic Behavior of Eosinophils One Cell at a Time
- 3:45 PM **Pan, Xuankang - Biochemistry and Molecular Biology**
Dual Labeling of RecBCD Enzyme by Site Specific Incorporation of Unusual Aminoacids for Single Molecule Förster Resonance Energy Transfer Analysis
- 4:00 PM **Hinojosa, Kevin - Biochemistry and Molecular Biology**
A Hydrogen Bond Network Promotes Inhibited Filaments in CTPS
- 4:15 PM **Palsgaard, Peggy - Biomedical Engineering**
Modelling Interactions of Urokinase Plasminogen Activator With Amiloride and Its Derivatives

26 Wellman Hall, Moderator: David Hawkins

- 3:00 PM **Kulinich, Andrea - Neurobiology, Physiology and Behavior**
Human Tissue Derived Animal Model for Childhood Vascular Anomalies
- 3:15 PM **Bell, Lisa - Neurobiology, Physiology and Behavior**
Examining the Basis for Differential Recovery Rates of Muscle Mass and Strength Between Aged Fischer Brown Norway and Fischer 344 Rats
- 3:30 PM **Chen, Hui Lin - Genetics and Genomics**
Secreted Factors During Myogenesis Inhibit Sost Expression
- 3:45 PM **Libert, Serena - Global Disease Biology**
BMP Signaling Mechanisms and Potential Clinical Impacts
- 4:00 PM **Leddy, Jason - Viticulture and Enology**
CDK9 Inhibition Prevents Injury-Induced Subchondral Bone Resorption by Targeting Osteoclast Precursors

106 Wellman Hall, Moderator: Gene Gurkoff

- 3:00 PM **Jaffe, David - Biological Sciences**
Detection of the Vector-Transmitted Bacteria, Bartonella henselae, in Small Indian Mongooses (Herpestes Auropunctatus) From Grenada Island
- 3:15 PM **Rossman, Zoë - Evolution, Ecology and Biodiversity**
When Yawning Occurs in Elephants
- 3:30 PM **Ohlin, Catherine - Evolution, Ecology and Biodiversity**
Post-Fire Regeneration of Coastal Redwoods, the World's Tallest Trees
- 3:45 PM **Venegas, Paloma - Animal Biology**
Effects of Human-Induced Isolation on Conspecific Behaviors in Captive Chimpanzees (Pan troglodytes)
- 4:00 PM **Clay, Cameron - Evolution, Ecology and Biodiversity**
The Differential Effects of Native and Invasive Earthworms on Native and Invasive Grasses

107 Wellman Hall, Moderator: Jeffrey Sacha

- 3:00 PM **Chavez, Alexis - Anthropology**
The Middle East and North Africa in U.S. Media Representations: An Analysis of the Term "Egypt" in the New York Times (1930-1939)
- 3:15 PM **Ahmad, Imran - Managerial Economics**
The Middle East and North Africa in U.S. Media Representations: An Analysis of the Term "Egypt" in the New York Times (1930-1939)
- 3:30 PM **Ward, Tayler - International Relations**
The Middle East and North Africa in U.S. Media Representations: An Analysis of the Term "Egypt" in the New York Times (1930-1939)
- 3:45 PM **Kennedy-McDonnell, Erik - International Relations**
The Middle East and North Africa in U.S. Media Representations: An Analysis of the Term "Egypt" in the New York Times (1930-1939)

119 Wellman Hall, Moderator: Savithramma Dinesh-Kumar

- 3:00 PM **Kumar, Nithya - Food Science**
Detecting Proteolytic Activity in Human Milk to Better Understand Infant Digestion
- 3:15 PM **Lim, Alicia - Chemistry**
Quantification of Oleuropein in Olive Leaf Supplements and Purification of Its Derivatives
- 3:30 PM **Hvasta, Matthew - Biochemistry and Molecular Biology**
Site-Specific Gene Expression During Lung Development Informs Respiratory Toxicology
- 3:45 PM **Ivanova, Xenia - Biomedical Engineering**
Impact of Cytochrome P450 Polymorphisms on Fentanyl Pharmacokinetics in Burn Patients
- 4:00 PM **Mollhoff, Iris - Biochemistry and Molecular Biology**
Structural-Functional Analysis of a Diterpene Synthase From Golden Larch Toward Manufacture of Biopharmaceuticals
- 4:15 PM **Baldwin, Laura - Biochemistry and Molecular Biology**
How Does a Plant Virus Affect Endosymbiont Bacteria in Its Aphid Vector?

126 Wellman Hall, Moderator: Soichiro Yamada

- 3:00 PM **Abraham, Tanishq - Biomedical Engineering**
Whole-Body Mathematical Models of Synthetic Biosensing Liposomes
- 3:15 PM **Mao, Michelle - Biomedical Engineering**
The Impact of Lipid Composition on Artificial Cell Functions
- 3:30 PM **Yee, Jacqueline - Biomedical Engineering**
Identification of Force-Sensitive Protein Interactions Surrounding Akt1 Using Proximity Dependent Biotin Identification
- 3:45 PM **Cheah, Joleen - Biological Sciences**
PiggyBac Transposon System Efficiently Integrates CRISPR/Cas9 for Gene Knockout
- 4:00 PM **Erickson, Katherine - Biomedical Engineering**
Identifying Fusion Proteins in Epithelial Cells
- 4:15 PM **Ewald, Makena - Biomedical Engineering**
Stretch-Dependent Akt Regulation and Nuclear Localization in Epithelial Cells

202 Wellman Hall, Moderator: Daniel Potter

- 3:00 PM **Perez, Paola - Environmental Science and Management**
Characterizing Transgenic Silencing in Lettuce Using DsRed
- 3:15 PM **Nirmal, Niba - Genetics and Genomics**
Waterproofing Root Systems: Responses to Drought and Flooding in Tomato
- 3:30 PM **Rodriguez, Alan - Plant Sciences**
DNA Library for Transgenic Marker Lines of Solanum lycopersicum and Solanum pennellii
- 3:45 PM **Khalid, Aliza - Neurobiology, Physiology and Behavior**
Mechanism of Autophagy in Plants
- 4:00 PM **Mallya, Gita - Plant Biology**
Mechanism of Signal Transduction During Plant Immunity
- 4:15 PM **Huang, Pin-Jui - Biological Sciences**
Importance of Jasmonaic Acid Pathway Proteins in Plant Immunity

205 Wellman Hall, Moderator: Jaimey Fisher

- 3:00 PM **Allshouse, Aurora - Anthropology**
The Archaeology of Extreme Continental
Climates: Excavation and Study at Tolbor 16,
Mongolia
- 3:15 PM **Mcneill, Patricia - Anthropology**
Site Formation Processes and Human Use
Analysis at Varsche Rivier 003, Western Cape,
South Africa
- 3:30 PM **Bartel, Juliana - Anthropology**
Wildfire Burning Patterns on Modern Tortoise
Skeletons
- 3:45 PM **Lau, Allison - Evolution, Ecology and
Biodiversity**
Does Pair-Bond Quality or Androgen Level
Explain Variation in the Structure of
Vocalizations of Duetting Coppery Titi Monkeys
Callicebus cupreus?
- 4:00 PM **Ellerby, Sophie - Anthropology**
Undoing Abjection: An Ethnography of Ecology
House
- 4:15 PM **Tyra, Alec - Chemistry**
Paleotemperatures From Noble Gases in the
Speleothem Record

207 Wellman Hall, Moderator: Kristin Kiesel

- 3:00 PM **Lu, Yu - Managerial Economics**
Evaluating Parking Demand and Elasticity
Functions for Permits A and C at the University
of California, Davis
- 3:15 PM **Beppler, Julie - Managerial Economics**
The Impact of Restaurant's Menu Design on
Consumer Choices
- 3:30 PM **Chen, Lan - Biochemistry and Molecular
Biology**
Influence of Demand and Supply on Labor Force
Participation Rate
- 3:30 PM **Nguyen, Van - Economics**
Influence of Demand and Supply on Labor Force
Participation Rate
- 3:45 PM **Wong, Clarice - Computer Science**
An App for Documentation of Roadkill
- 3:45 PM **Carlile, Jordan - Computer Science**
An App for Documentation of Roadkill
- 4:00 PM **Chin, Shiang-Wan - Managerial Economics**
Artificial Intelligence and Machine Learning in
Financial Services
- 4:15 PM **Wang, Yu - Applied Mathematics**
Garnir Polynomials and Their Properties

212 Wellman Hall, Moderator: Bethany Henrick

- 3:00 PM **Berg, Kimberley - Genetics and Genomics**
Characterization of Novel Factors in RNA:DNA
Hybrid Metabolism
- 3:30 PM **Xiong, Na - Genetics and Genomics**
Spol1 Is Necessary to Prevent the Generation of
Aneuploid Offspring in Zebrafish
- 3:45 PM **Gromova, Tatiana - Biological Sciences**
The Role of Nucleoporin Nup2 During Prophase
I of Meiosis
- 4:00 PM **Dahms, Petra - Genetics and Genomics**
Understanding the Role of XRCC2 in DNA Repair
by Designing and Cloning Bacterial Plasmids for
Complementation Tests
- 4:15 PM **Crofton, Amanda - Neurobiology, Physiology and
Behavior**
Effect of Nutrition on Maternal mRNA
Contribution to the Embryo in Drosophila
melanogaster

216 Wellman Hall, Moderator: Sara Petrosillo

- 3:00 PM **Vandenberg, Alyssa - English**
The Role of Mothers in Shakespeare's Plays
- 3:15 PM **Dousa, Kevin - English**
Failing Masculinity/Machismo: On Junot Diaz's
Short Story Collections
- 3:30 PM **Asnaashari, Sarah - English**
Diana Wynne Jones: Subverting Archetypes to
Recast the Heroic Ideal in Children's Fantasy
- 3:45 PM **Miller, Kristina - English**
Gender, Cosmology and Mythology in John
Milton's Paradise Lost
- 4:00 PM **Stack, Emily - English**
Painting Lions: Female Narratives Through Male
Authorship in Chaucer's Wife of Bath

226 Wellman Hall, Moderator: Elvira De Lange

- 3:00 PM **Geary, Quirina - Linguistics**
The US Government Fails to Protect the Individual Rights of American Indians
- 3:15 PM **Sproul, Griffin - Political Science**
Capitol Chaos: Public Space, Protests, and Voter Turnout in California
- 3:30 PM **Fernandez, Adriana - Environmental Science and Management**
Indigenous Resistance Against Colonial Corporations
- 3:45 PM **Macleod, Clara - Environmental Policy Analysis and Planning**
Voluntary Action in Groundwater Management in California
- 4:00 PM **Herrera, Veronica - Community and Regional Development**
Identifying Transit Dependent Populations: A Method for Measure A Neighborhood Shuttle Systems
- 4:15 PM **Rahai, Rouzbeh - Environmental Science and Management**
Affective Air Pollution

229 Wellman Hall, Moderator: Benjamin Plourde

- 3:00 PM **Wong Chang, Maria Angelica - Pharmaceutical Chemistry**
Early-Stage Technologies and the Public University: Lessons About Intellectual Property and Social Responsibility From the UC Blackwelder Tomato Harvester
- 3:15 PM **Buck, Taylor - Political Science – Public Service**
Addressing Modern Electoral Manipulation: Gerrymandering's Challenge to Civil Rights
- 3:30 PM **Aderonmu, Oluwafunmike - International Relations**
A Conflict of Interests: Revisiting Development Assistance Committee Members' Tied Aid Policy Post 2001
- 3:45 PM **Medina, Jose - Political Science**
Asylum Acceptance: Do Political Ideologies of Ruling Parties in Destination Countries Affect Asylum Acceptance?
- 4:15 PM **Alfaro, Christian - Chicana/Chicano Studies**
Rediscovering the Original Political Thought

230 Wellman Hall, Moderator: Mohamed Hafez

- 3:00 PM **Needels, Jacob - Mechanical Engineering**
Numerical Simulation of Supersonic and Transonic Two-Dimensional Flows
- 3:15 PM **Chuen, Andrew - Aerospace Science and Engineering**
Numerical Simulation of Supersonic and Transonic Two-Dimensional Flows
- 3:30 PM **Aluru, Teja - Computer Engineering**
Implementation of Guided Policy Search Algorithms for Aerial Robotics
- 3:45 PM **Brown, Joseph - Materials Science and Engineering**
Controlling Magnetic Spin States in Patterned Perovskite Heterostructures
- 4:00 PM **Burkhead, Aaron - Mechanical Engineering**
Numerical Solutions of Bending and Buckling of Structural Mechanics
- 4:15 PM **Gantulga, Tului - Civil Engineering**
Numerical Solutions of Bending and Buckling of Structural Mechanics

233 Wellman Hall, Moderator: Aldrin Gomes

- 3:00 PM **Doong, Joy - Biomedical Engineering**
Engineering Improved Host Strains for Synthetic Genetic Oscillator
- 3:15 PM **Crichton, Samuel - Environmental Toxicology**
Methodologies for Decontamination of Food Waste
- 3:30 PM **Booker, Jacqueline - Neurobiology, Physiology and Behavior**
The Role of Nek Kinases in Flagellar Length Regulation in Giardia lamblia
- 3:45 PM **Long, Matthew - Biomedical Engineering**
Analysis of Myxococcus xanthus 5889: A Developmentally Essential Response Regulator
- 4:00 PM **Calaimany, Meena - Neurobiology, Physiology and Behavior**
The Effects of Indomethacin and Omeprazole on Proteasome Function
- 4:15 PM **Eijansantos, Emily - Neurobiology, Physiology and Behavior**
Is Ibuprofen-Induced Reactive Oxygen Species Generation in Cardiac Cells Dependent on NADPH Oxidase 4?

234 Wellman Hall, Moderator: Victoria White

- 3:00 PM **Yu, Muheng - Communication**
Am I the Right One for Muscular Men? A Glance
at the Effects of Media Images of Ideally
Muscular Men on Young Adult Women
- 3:15 PM **Sims, Riley - Psychology**
An Eye Tracking Investigation of Attention
Shifting Between Affective Central and Peripheral
Faces
- 3:30 PM **Young, Clayton - Psychology**
Contralateral Delayed Activity During Visual
Working Memory in the Presence of Intervening
Consonant Clusters and Pseudowords
- 3:45 PM **Rudolph, Emma - Communication**
Necessary Criteria for Bullying: What They Are
and How They Matter
- 4:00 PM **Oelsner, Laura - Biomedical Engineering**
Wearable Technologies: Quantifying Running
Mechanics