

**Session II, Oral Presentations, 11:00 AM-12:20 PM
Building 9**

Room 211. Ecology, Evolution and Behavior - II

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
11:00 AM	Brett A. Smith	Genetic Variation Between Post-fire Seedlings of <i>Ceanothus megacarpus</i> from Catalina Island and the Southern California Coastal Mainland	Thomas Vandergon Stephen Davis
11:20 AM	Abril R. Iniguez	A Molecular Phylogeny of the Genus <i>Hydra</i>	Daniel Martinez Richard Campbell
11:40 AM	David M. James	The Proboscis of Predatory <i>Conus</i> : Sensory Structures and Tissue Regeneration	Gary Martin
12:00 PM	Cassandra T. Stepp-Bolling	To Bite Hard or Swallow Big—a Biomechanical Trade-off in Lizards versus Snakes	A. Kristopher Lappin

Room 213. Neurobiology

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
11:00 AM	Ardeshir Rahman	Investigation of neuronal abnormalities due to dosage alterations of Intersectin (ITSN) as a result of trisomy on chromosome 21 in Down's syndrome neurons	Jorge Busciglio
11:20 AM	Daniel L. Haus	Nitric Oxide Downregulates Neuronal Development by Reducing MEF2 Activity	Stuart Lipton
11:40 AM	Jennifer N. Vega	The Role of the Anterior Cingulate in Decision Conflict in the Rat using Cellular Compartment Analysis of Temporal Activity by Fluorescent In-situ Hybridization (catFISH).	Nathan Insel Carol Barnes
12:00 PM	Jennifer Phan	The Role of Neurokinin-B in Seizure and Epilepsy	Kerry Thompson

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Building 9**

Room 219. Applications to Disease Treatment

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
11:00 AM	Yifang Nie Michelle Tham	Finding novel drugs for neurodegenerative diseases	Yanhong Shi Chunnian Zhao Guoqiang Sun
11:20 AM	Davin J. Hahka	Efficacy of Scale Up Liposomal Nystatin for Treatment in Tomato Plant Fusarium Infections	Jill Adler-Moore
11:40 AM	Christianne A. Wa	Rotenone as a Model for Parkinson's Disease: Therapeutic Effects of EUK-426 and Calpain Inhibitor III	Michel Baudry
12:00 PM	Monirath Siv	The Correlation between Gender and Hypertension	Smita Rawal

Room 239. Microbiology and Molecular Genetics - II

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
11:00 AM	Sydney L. Henderson	The Prevalence of <i>Clostridium</i> species and their roles in diarrheal diseases in foals	Wei-Jen Lin Shelton Murinda James Jackson
11:20 AM	Zitadel A. Perez	Susceptibility of Guanine Multiplets toward Oxidative DNA-Protein Crosslinking	Eric Stemp
11:40 AM	Rebecca Zabinsky	Exploration of CHD1 domain functions	Jennifer Armstrong
12:00 PM	Amory C. de Roulet	Cell stress induces MCL-1 phosphorylation and a subsequent proteolytic destruction	Jay Brewster

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Room 241. Molecular Biology, Biochemistry - I

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
11:00 AM	Anna J. Zelaya	DNA translocation by the molecular motor SpoIIIE	Carlos Bustamante
11:20 AM	Kasra Rahbar	Protein Localization Dynamics in the Yeast Proteome	Michael Elowitz
11:40 AM	Daniel K. Olson	The Retromer Complex in Endosome to Vacuole1 (env1), a Novel vps35 Allelic Mutant of <i>S. cerevisiae</i> , is Functional in Retrograde Transport of Vps10p and Kex2p to the Golgi	Editte Gharakhanian Galen Pickett
12:00 PM	Charlie T. Seto	Structure Prediction of Histamine 4 Receptor	Ravinder Abrol

Room 243. Organic Chemistry - II

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
11:00 AM	Roxana A. Rangel-Rodriguez	Cation-pi Interactions in small Helical Peptides and in large Proteins: correlation of stability and frequency.	Alison McCurdy
11:20 AM	Alexander S. Cheung	Computational Prediction of Association Free Energies for the C3d-CR2 Complex and Comparison to Experimental Data	Dimitrios Morikis
11:40 AM	Cezar B. Rodarte	QSAR and CoMFA studies of trichothecene mycotoxins	Barbara Murray Wayne Steinmetz
12:00 PM	Marci Kang	Reaction of Diamines with 1,4-Naphthoquinone Derivatives	Tetsuo Otsuki

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Building 9**

Room 245. Organic Chemistry - III

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
11:00 AM	Calvin M. Ha	Synthesis and Characterization of Chiral Nematic Diamide Liquid Crystal Twist Agents	James Rego
11:20 AM	Hareem Park	The Reactivity of 2-Methyl-1,4-naphthoquinone Epoxide toward Ambient Nucleophiles	Tetsuo Otsuki
11:40 AM	Elisabeth A. Rutledge	The Reactivity of Thiols with 1,4-Naphthoquinone Derivatives	Tetsuo Otsuki
12:00 PM	Keyvn D. Gardner	1,3-Butadiene and Acetylene Contained in Canisters from Experimental Burns	Shawn Urbanski Stephen Baker

Room 247. Physics - II

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
11:00 AM	Gabriel J. Mendoza	Measurement-based Quantum Computing Using Polarization-Path Qubits	Jeremy O'Brien
11:20 AM	Triet Nguyen	Computer simulations of photochemistry controlled with subwavelength resolution	Alexander Small
11:40 AM	David Guzman Matthew Burlando	Measurement of Photoluminescence from Quantum Dots	William Taylor Michi Ishimura
12:00 PM	Andy Yen	Analysis of Prompt Diphoton Production at the Large Hadron Collider	Harvey Newman

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Building 9**

Room 251. Mathematics - I

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
11:00 AM	Yingkun Li	Distribution of the Powers of the Partition Function Modulo l^j	Jim Brown
11:20 AM	Will Cousins	A Sinkhorn-Knopp Fixed Point Problem I: A Matrix and its Doubly Stochastic Equivalent	David Strong
11:40 AM	Brent Hancock	A Sinkhorn-Knopp Fixed Point Problem II: Further Results and Theory	David Strong
12:00 PM	Philip A. Geurin Marisa Finn	Geometric Analysis: Four Row Chomp	Adam Landsberg

Room 255. Materials and Industrial Engineering - II

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
11:00 AM	Elfadil M. Habbani	Investigating Micro-Porosity Defect in an Aluminum Welding Process	Truc Ngo
11:20 AM	David E. Chavezticas	Mechanical Characterization of Spider Silk	Vilupanur Ravi
11:40 AM	Henry Yuen	Spatio-Temporal Event Miner (STEM): Atomistic Event Detection from Graph Time Series	Aiichiro Nakano
12:00 PM	Noah S. Winsor Andrew T. Leishman Jordan P. Koch Christian Kouttjie	Pack Aluminizing of Iron-based Alloys	Vilupanur Ravi

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Room 269. Engineering –Combustion/Propulsion

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
11:00 AM	Shihab A. Khan	Evaluation of a Vehicle Emissions Research Laboratory	Kurt Bumiller
11:20 AM	Dustin M. Veazey Theresa Claveria	Research and Development of Reversible PEM Fuel Cell Powered Model Car	Christopher Caenepeel
11:40 AM	Ashley M. Andrews Vinh-Hai T. Pham	Engineering an Autonomous Fuel Cell Powered Model Car	Thuan Nguyen
12:00 PM	Tiffany Tassano	Determining X-Ray Dose Rate for Nafion	Brett Stanley

Room 271. Engineering – Chemistry/Biochemistry I

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
11:00 AM	Jason S. Schmidt	Examining Functionalized Vesosomes as Drug Delivery Vehicles	Joseph Zasadzinski
11:20 AM	Julien A. Araiza	Density Measurements of Secondary Organic Aerosol (SOA) Utilizing a Aerosol Mass Spectrometer (AMS) and Aerosol Particle Mass Analyzer (APM)	David Cocker
11:40 AM	Dylan R. Switzer	Can Secondary Organic Aerosol Formed in an Atmospheric Chamber Be Continuously Aging?	David Cocker

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Room 273. Business and Finance I

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
11:00 AM	Jason Choi Jordan Pang Ashley Ross Kyle Swan Priscilla Tan Austin Yuan	Abbott Laboratories - External Environment, Industry Analysis, and Company Assessment	Venkatachalam Seshan
11:20 AM	Konrad D. Aguilar	Pricing Call Options Under the Binomial Model	Mark Kozek
11:40 AM	Benjamin Doyle Maria Navarrete Allison Mandaville Dustin Ward Christopher Ramento	Genentech	Venkatachalam Seshan
12:00 PM	Matthew D. Donoghue	Los Estándares de Servicio de Calidad: Cultivating Customer Service Success South of the Equator	Donald St. Hilaire

Room 281. International Studies: China

11:00 AM	Rhea R. Mahbubani	The Role of Civil Society in China	Gaye Christoffersen
11:20 AM	Trevor G. Fay	Come Back to the Middle: Understanding the Representational Aspirations of China's Future Middle Class	Xiao-huang Yin
11:40 AM	Ying "Julia" Chow	Changes in Gender Space as Reflected Through Chinese Literature and Architecture from the Late Qing to the Modern	George DaRoza
12:00 PM	Shreyanka R. Rao	Environmental Crisis Of China Due To Rapid Industrialization	Gaye Christoffersen

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Room 303. Stereotypes

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
11:00 AM	Myles I. Durkee	The Perseverance Effect of Stereotypes	Jaime Kurtz
11:20 AM	Lynda K. Lee	Evaluations of Asian Americans Who Violate Stereotypes	Bettina J. Casad
11:40 AM	Sarah Hunt	Western Readers, Orientalist Stereotypes, and the Sensational Response to The Kite Runner	John Swift
12:00 PM	Eduardo Sanchez	Changing Perceptions in the Justification of the Use of the “N” Word	August Hoffman

Room 305. Gender

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
11:00 AM	Adam L. Erickson	The Overstated Red Stigma: McCall’s Magazine and Women’s Roles During Cold War America	Michaela Reaves
11:20 AM	Omar Mushtaq	Conceiving Gender	John Ibson
11:40 AM	Brittany Davila	Conceptions of Masculinity as a Function of Sexual Orientation and Cultural Identity	Norma Rodriguez
12:00 PM	Meagan B. Colvin	Organizations for Battered Women in the Buenos Aires Province	Anne Schell

**Session II, Oral Presentations, 11:00 AM-12:20 PM
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Room 307. Economic Issues and Social Justice

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
11:00 AM	Yolanda L. Richards	Cities in Crisis: Understanding the Social, Political, and Economic Effects of the Urban Crisis on People of Color in 20th Century United States	Daniel Widener
11:20 AM	Rene Yves Kouassi	Analysis of the Separate but Equal Consequences of the Western Imperialism on African Descents in Africa and in the United States from Slavery Till Today	Jerry Allen
11:40 AM	Jacqueline Salazar	Land For The Common Good: Nationalism, Democracy, And Land In Edinburgh, Scotland	Peter Dreier
12:00 PM	Kiran Preet K. Dhillon	An ABCD's Path To Success: Career Aspirations of Second Generation Indian Immigrants	Lisa Wade

Room 313. Preventative Health Education

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
11:00 AM	Samantha A. Cummins Kristi N. Mixon	The effect of a Healthy Parks Cooking Competition on improving Hispanic Children's Nutritional Views; Samantha A. Cummins, California Polytechnic University; Kristi N. Mixon, California Polytechnic Un	Lisa Kessler
11:20 AM	Charity Brant	Becoming Abstinent: Youth Subcultures, Religion, and the Sexual Abstinence Pledge	Tim Kubal
11:40 AM	Allison J. Jurkovich	Empowering Women: Effective HIV/AIDS Education Methods in the Volta Region of Ghana	Lisa Wade Laura Hebert

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Room 325. Greek and Roman Poets

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
11:00 AM	Safari Ross	Community, Restraint and Excess: a (Re)defining of the Ode	Michael Near
11:20 AM	Andrea Lane	Canemus: Horatian Ode in the Context of the Augustan Principate	Damian Stocking
11:40 AM	Amanda C. Weldy	The critical apparatus of the Observations in Pope's Iliad: marginalized, or of marginal importance?	Helen Deutsch
12:00 PM	Amber N. Patterson	Beowulf and Christianity	Timothy Juntilla

Room 333. Women and Literature

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
11:00 AM	Lauren N. Dodds	Studying the Ancient East to Redeem Victorian England: Edith J. Simcox's Primitive Civilizations	Constance Fulmer
11:20 AM	Connie K. Chung	Femininity's Exclusion of Self in the Vietnam Canon	John Swift
11:40 AM	Molly R. Quinn	Sensuality in The Awakening: Gendered Apprehensions and the Verbal/Visual	John Swift
12:00 PM	Erin L. Conley	Will the 'Real' Mary Please Stand Up?: Gender in the History of Scholarship in the Gospel of Mary	Kristi Upson-Saia

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Room 335. Women's Abuse and Discrimination

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
11:00 AM	Jacqueline G. Alvarino	The Riddle of Femicide in Guatemala	Benjamin Hubbard
11:20 AM	Yun Mee Jung	The Politics of Memories in the Context of South Korean Comfort Women Issue	Gaye Christoffersen
11:40 AM	Synthia A. Acuña	NAFTA and its Effect on Female Maquiladora Workers in Tijuana, Mexico, 1994-2000	Marisela Chavez
12:00 PM	Brenda Medina-Hernandez	Mujeres Activas en Letras y Cambio Social and the Battle in the Ivory Tower: Chicanas Mechanisms for Resistance and Survival in the Professorate, 1981-1991	Ana Rosas Marisela Chavez

Room 423. Presidential Politics and Political Activism

<i>Time</i>	<i>Student Presenter(s)</i>	<i>Project Title</i>	<i>Faculty Mentor(s)</i>
11:00 AM	Sylvia P. Castillo	Finding the Feminine/Masculine Equilibrium in the 1992 U.S. Presidential Election	Carole Srole
11:20 AM	Mathew Mikuni	Kidnappings, Missiles, and Nukes!: Outlooks and recommendations for the next President to make sure our strongest ally in East Asia...stays our strongest ally	Derek Shearer
11:40 AM	Elizabeth J. Cutler	Political Participation of University Students in the Fifth Region of Chile	Mark Sinclair Jorge Gibert