

**Judges for Undergraduate and Graduate Student Presentations  
and Poster Presentations:**

Dr. Amanda Adams	California State University, Fresno
Dr. Loren Alving	University of California, San Francisco
Dr. Saeed Attar	California State University, Fresno
Dr. Sharon Benes	California State University, Fresno
Dr. Daniel Cady	California State University, Fresno
Dr. Alejandro Calderon-Urrea	California State University, Fresno
Dr. Karen Carey	California State University, Fresno
Dr. Kathleen Dyer	California State University, Fresno
Ms. Marie Fisk	California State University, Fresno
Dr. Tamas Forgacs	California State University, Fresno
Dr. Gil Harootunian	California State University, Fresno
Dr. Alam Hasson	California State University, Fresno
Dr. Donna Hudson	University of California, San Francisco
Ms. Susan Hughes	University of California, San Francisco
Mr. Carl Johannson	Fresno City College
Dr. Ronna Mallios	University of California, San Francisco
Dr. Thomas McClanahan	California State University, Fresno
Dr. Paul K. Mills	University of California, San Francisco
Dr. Karl Oswald	California State University, Fresno
Dr. Siobhan O'Toole	Alliant International University, Fresno
Dr. Jim Prince	California State University, Fresno
Mr. Rick Stewart	Fresno City College
Dr. Kent Yamaguchi	University of California, San Francisco
Dr. Lynnette Zelezny	California State University, Fresno

**Moderators for Oral Presentations:**

Mr. Doug Carey	California State University, Fresno
Dr. Dan Griffin	California State University, Fresno
Dr. Donna Hudson	University of California, San Francisco
Mr. Chuck Radke	California State University, Fresno

Presentations will be judged based on the following criteria and considerations:

- ❑ Merit, creativity, timeliness, and value to an audience of scholars not necessarily from the same discipline
- ❑ Authors are encouraged to present their work using terminology suitable for a multi-disciplinary audience
- ❑ Results of completed work, as well as work-in-progress, for which there is preliminary data

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**32nd ANNUAL**

**CENTRAL  
CALIFORNIA  
RESEARCH  
SYMPOSIUM**

**PROGRAM**

**Convened on  
Wednesday, April 6, 2011  
in the  
University Business Center  
California State University, Fresno**

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Poster Session IV continued  
3:30 p.m. until 5:00 p.m.

University Business Center  
Gottschalks Gallery

Concurrent Session A

University Business Center  
Auditorium, Room 191

Authors will be available for questions from 3:30 p.m. until 5:00 p.m.

- (20) ***Thaumatococcus*-Like Proteins Potentially Function in Disease Resistance to *Phytophthora capsici* in Pepper Plants**  
Davis Cheng, Helen Cheng, Claudia Garcia, Heather Brewer, Gurmel Sidhu, James Prince, Ph.D.
- (21) ***HPLC analysis to quantify the neurotoxic Betamethylamino-L-alanine (BMAA) levels in fruit fly***  
Anjaneya K. Sinha, Joy Goto, Ph.D.
- (22) ***Identification of Developmental Biomarkers in the Algae *Dunaliella primolecta* Using NMR-based Metabolomics***  
Alexander Guzzetta, Adrina Shamlan, Krish Krishnan, Ph.D., Alejandro Calderón-Urrea, Ph.D.
- (23) ***Thiols are involved in protection against metal stress***  
Kathryn Barretto, Ruzan Orkusyan, Mamta Rawat, Ph.D.
- (24) ***Optimum temperatures for two biotypes of horseweed (*Conyza canadensis*) and hairy fleabane (*C. bonariensis*) germination***  
Katrina Maria C. Steinhauer, Anil Shrestha, Ph.D.
- (25) *anceled*
- (26) ***Transgenic line of *Caenorhabditis elegans* expressing GFP and RFP markers: establishment of tools to study early development of the plant parasitic nematode *Meloidogyne incognita****  
Eliana Sanchez, April Booth, Alejandro Calderón-Urrea, Ph.D.
- (27) ***Hepatitis C virus increases the level of NAD(P)H oxidase 4 in human hepatoma cells in a transforming growth factor beta 1-dependent manner***  
Aparna Pasumarthi, Shelley Wang, Thu Vo, Jinah Choi, Ph.D.
- (28) ***Investigating the Effects of a Selenium-enriched Diet on Growth and Metabolism in *Tilapia* (*Oreochromis mossambicus*)***  
Temperance R. Rowell, Larry G. Riley, Ph.D.
- (29) ***Alteration of caveolin expression in differing integrin backgrounds: implications for tumor cell motility***  
Jinsha Liu, Nathan L. Piestrup, Jason A. Bush, Ph.D.

5:00 p.m. **Concluding Address – Alice Peters Auditorium, Room 191**

***Ecto and Endoparasitic Prevalence in Peri-domestic Medium Size Mammals in Stanislaus County, California***  
Paul R. Crosbie, Ph.D.

- 9:00 a.m. ***Environmental effects on native and non-native copepod populations in San Francisco Bay***  
Steven Gong, Brian Tsukimura, Ph.D.
- 9:15 a.m. ***The Effects of Fasting and Re-feeding on Growth and Glucose Metabolism in the *Tilapia*, *Oreochromis mossambicus****  
Rosemary Luzania, Larry G. Riley, Ph.D.
- 9:45 a.m. ***The distribution, foraging behavior, and habitat use of squirrels in an urban environment***  
Jordan Anderson, Madhusudan Katti, Ph.D., Paul R. Crosbie, Ph.D., Stuart K. McFeeters, Ph.D., and Kaberi Kar Gupta, Ph.D.
- 10:00 a.m. ***Hormonal Regulation of Food Intake During Acute Stress in the *Tilapia*, *Oreochromis mossambicus****  
Kelli R. Upton, Larry G. Riley, Ph.D.

10:15 a.m. – 10:30 a.m. **Break- University Business Center, Gottschalks Gallery**

12:00 p.m. **Plenary Session**

Concurrent Session B

University Business Center  
Room 192

- 9:15 a.m. ***Design and Development of an Interface Platform for use in High Energy Physics Experiments***  
Lawrence E. Carlson, Dave Nelson, Su Dong, Martin Kocian, Yongsheng Gao, Ph.D.
- 9:30 a.m. ***Esense: Humidity, Temperature and Acceleration Logger***  
Satbir S. Sekhon, Rendon Gomez, Samuel Gomez, Reza Raeisi, Ph.D.
- 9:45 a.m. ***Mechanistic Understanding of the Interactions of Proteins Involved in the formation of Alzheimer's Disease's  $\beta$ -Amyloid Plaques***  
Michael Harbell, Joy Goto, Ph.D.
- 10:00 a.m. ***Spectroscopic Studies of a High Valent Manganese Complex:  $[MnIV(Me_3TACN)(OMe)_3]^+$***   
Steven Chabolla, Robert Geiger, Timothy A. Jackson, Melissa Golden, Ph.D.

10:15 a.m. – 10:30 a.m. **Break- University Business Center, Gottschalks Gallery**

12:00 p.m. **Plenary Session**

Poster Session IV continued  
3:30 p.m. until 5:00 p.m.

University Business Center  
Gottschalks Gallery

Authors will be available for questions from 3:30 p.m. until 5:00 p.m.

- (12) ***Does examining cognitive styles assist in the development of interventions for improving meaning in life? A preliminary analysis***  
Taleisha Jones, Jennifer Gregg, Ph.D.
- (13) ***Social Anxiety: Evaluating the impact of psychological flexibility on emotion regulation and meaning in life***  
Kemisha James, Jennifer Gregg, Ph.D.
- (14) ***Effects of Acculturation on Marital Satisfaction in Elderly Mexican-American Couples***  
Normalinda Cantu, Amanda Mortimer, Ph.D.
- (15) ***An Analysis of Forced-Choice Preference Assessment Changes Over Time***  
Pao Hang, Jonathan Briggs, Ricky Garcia, Kathryn Murphy, Rosaura Pena, Carrie Dempsey, Ph.D.
- (16) ***BMAA, a glutamate agonist, affects walking performance of fruit flies through the central pattern generator***  
A. Goodarzi, N. T. Mekdara, S. Choudhury, A. Soltani, A. Qureshi, P. J. Mekdara, M. Adam, O. Berg, J. J. Goto, Ph.D., U. K. Müller, Ph.D.
- (17) ***Divide and Conquer: Identification and Validation of Minimal Domains of CED-4 to Induce Cell Death in *Meloidogyne incognita****  
Harinder Singh, Justin Deffebach, Krish Krishnan, Ph.D., Alejandro Calderón-Urrea, Ph.D.
- (18) ***Quantifying Thiol Levels in Cyanobacteria Under Varying Metal Stress***  
Andrew W. Strankman, Mamta Rawat, Ph.D.
- (19) ***Association mapping of tolerance genes in Populus clones with the use of simple sequence repeat (SSR) markers and candidate genes***  
Nathan Follen, Kyan Salehi, Davis W. Cheng, Gary Bañuelos, James P. Prince, Ph.D.

Poster Session IV  
3:30 p.m. until 5:00 p.m.

University Business Center  
Gottschalks Gallery

Concurrent Session C

University Business Center  
Room 286  
Dean's Conference Room

Authors will be available for questions from 3:30 p.m. until 5:00 p.m.

- (1) ***Staff Training Protocol to Increase Interaction During Non-Structured Time with Children with Autism***  
Mari Orita, Amanda Adams, Ph.D., BCBA
- (2) ***Is 87 out of 10,000 "Riskier" than 0.87 out of 100? The Role of Denominator Neglect in the Ratio Bias***  
Adrienne Fairchild, Paul Price, Ph.D.
- (3) ***Stress and Anger as Predictors of Depression in Multi-Cultural***  
Ryan Holliday, Christine Edmondson, Ph.D.
- (4) ***Domain-Specific Critical Thinking and Religious Beliefs***  
Sara Stein-Torres, Karl Oswald, Ph.D.
- (5) ***Formation of false memories through schematic interference and their influence on social judgment***  
Mikayel Yeghyan, Karl Oswald, Ph.D.
- (6) ***Non-religious attributions to ambiguous situations***  
Joseph A. Wagoner, Robert Levine, Ph.D.
- (7) ***Fresno County Behavioral Health Court Project***  
J. Tangye, P. Kruger, A. Karas, Peter English, Ph.D.
- (8) ***Interdisciplinary Perspectives on What Facilitates Timely Referral to Palliative Care for Children with Serious Illness in Fresno, California***  
Caroline L. Dezan, Debra Harris, Ph.D.
- (9) ***An Exploratory Study On Social Workers' Attitudes And Practices With Gay And Lesbian Clients***  
Joanna Zamora, Mitzi Lowe, Ph.D.
- (10) ***Vietnamese Americans' Communication Assertiveness and How They Perceive Their Parents Disciplinary Styles***  
Andrew Ha, Clifton Oyamoto, Ph.D.
- (11) ***Exploring Impulsivity and Inhibition in Individuals with Traits of Intermittent Explosive Disorder and Psychopathy***  
Ashley Yaughner, Christine Edmondson, Ph.D.

9:00 a.m.

***Piping Erosion Mechanisms of Organic Soils and Bioabatement of Piping Erosion in Sand***  
Benjamin T. Adams, Ming Xiao, Ph.D.

9:15 a.m.

***Seismic Performances of Slurry Walls***  
Mathew Graham, Ming Xiao, Ph.D.

9:30 a.m.

***Screening of Methods for Removing Geosmin at a Municipal Water Plant in California's Central Valley***  
William Wright, Ph.D.

9:45 a.m.

***FDI in Actuators***  
Harbilas Bal, Nitaigour Mahalik, Ph.D.

10:00 a.m.

***Pathways for trans-disciplinary workforce development for food and ag industry through training and research***  
Robert Martinez II, Nitaigour Mahalik, Ph.D.

10:15 a.m. – 10:30 a.m.

**Break- University Business Center,  
Gottschalks Gallery**

12:00 p.m.

**Plenary Session**

Concurrent Session D

University Business Center  
Room 194

- 9:00 a.m. ***The Hijab and Feminism: What does it mean to be a Muslim-American Feminist Woman?***  
Leila Alamri, Roksana Badruddoja, Ph.D.
- 9:15 a.m. ***Loving God, Loving Self: Intersections of gender, sexuality and faith***  
Christine Mahackian, Roksana Badruddoja, Ph.D.
- 9:30 a.m. ***Anti-Semitism and the Discourse of the Israel-Palestine Conflict***  
Joshua Sten, Andrew Fiala, Ph.D.
- 9:45 a.m. ***The Works of Doña Josefa Amary Borbón: From Conservative to Radical Enlightenment in Spain***  
Paulette Alatraste, Maritere Lopez, Ph.D.
- 10:00 a.m. ***The Myths Of Maternal Thinking: What Does It Mean To Be A Mother In America***  
Johanna Leal, Roksana Badruddoja, Ph.D.

10:15 a.m. – 10:30 a.m. **Break- University Business Center,  
Gottschalks Gallery**

12:00 p.m. **Plenary Session**

Poster Session III continued  
1:30 p.m. until 3:00 p.m.

University Business Center  
Gottschalks Gallery

Authors will be available for questions from 1:30 p.m. until 3:00 p.m.

- (20) ***DNA recognition of the Escherichia coli cAMP receptor protein***  
Andres Nevarez, Matt Hicks, Hwan Youn, Ph.D.
- (21) ***Anti-Angiogenic Effects of Zoledronic Acid on Breast Cancer and Bone Metastases***  
Cynthia Contreras, Walid Hamud, Bishal Dhakal, Jason Bush, Ph.D.
- (22) ***Optimizing a differentiation strategy for generation of embryonic stem cell-derived cardiomyocytes***  
Megha Kumar, Amandeep Singh, Simarjot Chehal, Jason Bush, Ph.D.
- (23) ***Prevalence of Baylisascaris procyonis (Nematoda: Ascaridida) in Peri-domestic Raccoons (Procyon lotor) from Stanislaus County, California***  
Erika T. Gendron, Steven P. Galentine, Paul R. Crosbie, Ph.D.
- (24) ***Geochemical Correlation of Ricardo Volcanics, California, and Summit Range Volcanics, California***  
David Real, David R. Jessey, Cami Jo Anderson, Keith Putirka, Ph.D.
- (25) ***Substrate Variations and its Relationship and Impact on the Distribution of Eelgrass Beds in Griffin Bay, Washington***  
Amina Sopha1, Gary Greene, Sandy Wyllie-Echeverria, Fraka Harmsen, Ph.D.
- (26) ***Age Constraint And Degree Of Metamorphism Of The Turtleback Complex On Orcas Island, San Juan Islands, Washington***  
Kiersti R. Ford, Gary Greene, Fraka Harmsen, Keith Putirka, Ph.D.
- (27) ***Vertical Ozone Transport in the Lower Atmosphere and Analysis of Historic Pollution Data***  
Stacy Brown, Segun Ogunjemiyo, Ph.D.
- 5:00 p.m. **Concluding Address – Alice Peters Auditorium, Room 191**  
***Ecto and Endoparasitic Prevalence in Peri-domestic Medium Size Mammals in Stanislaus County, California***  
Paul R. Crosbie, Ph.D.

**Proceed to Student Award Presentations and Social Hour**

Poster Session III continued  
1:30 p.m. until 3:00 p.m.

University Business Center  
Gottschalks Gallery

Concurrent Session E

University Business Center  
Auditorium, Room 191

Authors will be available for questions from 1:30 p.m. until 3:00 p.m.

- (11) ***Islamic Revivalism and Hizb-ut-Tahrir in Kyrgyzstan: Why the Uzbek Population Must be Considered***  
Danielle Lemi, Constantine Danopoulos, Ph.D.
- (12) ***Individualism and Collectivism in the U.S. and Iran: Implication for U.S.-Iran Relations***  
Eleanor Lovinfosse, Persis Karim, Ph.D.
- (13) ***Leader-Member Exchange (LMX) within Educational Institutions***  
Hela Hassani, Thomas Long, Ph.D.
- (14) ***Globalization Of Business: The Relationship Between Students' Willingness To Seek Employment In Global Corporations And The Improvement Of Intercultural Skills And Global Knowledge***  
Maria Ramos, Priscilla Chaffe-Stengel, Ph.D., Rudy J. Sanchez, Ph.D.
- (15) ***Ex-Offenders in the Workplace: Employee Reactions***  
Rhiannon Gardenhire, William Bommer, Ph.D. , Rudy Sanchez, Ph.D.
- (16) ***Viewer Perception of Product Placement***  
Michelle Rovella, Susan Geringer, Ph.D.
- (17) ***Synthesis, characterization and biological screening of apolipoprotein-E (apoE) modulators based upon a triaryl-substituted pharmacophore***  
Robert T. Granata, Harkiran Dhah, Mandeep Singh, Jason Welles, Hafeez Oseni-Olalemi, Bellal Moghis, Jason Schott, Diana Wohlt, Andrew Surman, Nilay Patel, Ph.D., Santanu Maitra, Ph.D.
- (18) ***Correlation Between Phytophthora capsici Disease Resistance in Pepper and the Presence of Resistance QTL, Phyto 5.2***  
Heather Brewer, Claudia Garcia, Davis Cheng, Gurmel Sidhu, James P. Prince, Ph.D.
- (19) ***A candidate gene strategy to identify resistance genes in pepper to Phytophthora capsici***  
Deanna Arsala, Alyssa Bautista, Shayla Duran, Jim Prince, Ph.D.

- 10:30 a.m. ***Two-dimensional gel electrophoresis and mass spectrometry to analyse Drosophila melanogaster proteome in response to the neurotoxin  $\beta$ -N-methylamino-L-alanine (BMAA)***  
Amish B. Karanjit, Joy Goto, Ph.D.
- 10:45 a.m. ***Kinetics and Mechanism of the reaction Propylene Oxide (PPO) in the Troposphere***  
Srikar Middala, Sean Campbell, Austen Scruggs, Catalina Olea, Alam Hasson, Ph.D.
- 11:00 a.m. ***Modified Synthesis of (Bis(O-ethyl-L-cysteinato)Ni)2Ni***  
Randall Hart, Melissa Golden, Ph.D.
- 11:15 a.m. ***The Oxygenation of Bis(O-ethyl-L-cysteinato)nickel(II)***  
Samantha J. Gustafson, Melissa Golden, Ph.D.
- 11:30 a.m. ***Characterizing the Neurodegenerative Specificity of BMAA to Determine a Potential Link between Exposure to the Toxin and the Development of ALS/PDC***  
Savann Hok, Joy J. Goto, Ph.D.

12:15 p.m.

**Plenary Session**

1:30 p.m. – 1:45 p.m.

**Break- University Business Center,  
Gottschalks Gallery**

Concurrent Session F

University Business Center  
Auditorium, Room 192

- 10:30 a.m. *A polynomial invariant of 3-valent graphs embedded in the 3-space*  
James Tipton, Carmen Caprau, Ph.D.
- 10:45 a.m. *On multiplier sequences of a special form for finite fields*  
Mario Banuelos, Michelle Hoshiko, Tamas Forgacs, Ph.D.
- 11:00 a.m. *On Multiplier Sequences for Simple Sets of Polynomials*  
Benjamin Wright, James Tipton, Tamas Forgacs, Ph.D.
- 11:15 a.m. *Explaining Hydrodynamic Dispersion using Measurable Physical Properties*  
Juan P. Lopez Arriaza, Teamrat Ghezzehei, Ph.D.
- 11:30 a.m. *Base-X: Bridging the Cognitive Gap between Arithmetic and Algebra*  
Lance Burger, Ph.D.

12:15 p.m. **Plenary Session**

1:30 p.m. – 1:45 p.m. **Break- University Business Center,  
Gottschalks Gallery**

Poster Session III  
1:30 p.m. until 3:00 p.m.

University Business Center  
Gottschalks Gallery

Authors will be available for questions from 1:30 p.m. until 3:00 p.m.

- (1) *Feature-based Stereotyping: The Effects of Appearance on Perceived Social Misconduct and Academic Success*  
Emily Winden, Jean Ritter, Ph.D.
- (2) *The Effect Of Phonologically Similar Word Forms On Crossmodal Source Identification*  
Jessica Dao, Lorin Lachs, Ph.D.
- (3) *Achievement Gap between English Language Learners and Non-English Language Learners in Reading Test Performance*  
Rocio Luna, Jason C. Immekus, Ph.D.
- (4) *A Look at Ethnic Identity and Acculturation Within the Mien Community*  
Nai Saetern, Clifton Oyamoto, Ph.D.
- (5) *Improving Classroom Clicker Practices: The Effects Of Academic Incentives And Feedback On Learning Outcomes*  
Stephanie E. Butler, Karl M. Oswald, Ph.D.
- (6) *Identifying Intermittent Explosive Disorder (IED) by Facial Expressions*  
Kelly Jo Williams, Christine Edmondson, Ph.D.
- (7) *Alcohol's effects on short-and -long-term memory for novel environments in the Zebrafish (Danio TRerio)*  
Jessica D Russell, Daniel Cerutti, Ph.D.
- (8) *An Ethnography of Water Birth and Its Representations on YouTube.com*  
Samantha Paine, Jan English-Lueck, Ph.D.
- (9) *Do You Get Me? Exploring Cross-Cultural Communication Between Refugees and Health Practitioners*  
Kayla Marie Haynes, Lisa Henry, Ph.D.
- (10) *Marriage, Divorce and Religiosity: A Qualitative-Study of Iranians in the 21st Century and the Interplay of Religiosity and the Marital Process*  
Dijana Sirovica, Susan Bell Murray, Ph.D.

Poster Session II continued  
11:00 a.m. until 12:30 p.m.

University Business Center  
Gottschalks Gallery

Concurrent Session G

University Business Center  
Room 286  
Dean's Conference Room

Authors will be available for questions from 11:00 a.m. until 12:30 p.m.

- (20) ***Angiotensin Receptor Blockade Decreases Hepatic Triglyceride Content and Reduces Retroperitoneal Fat Deposition Following Increased Glucose Intake in a Model of Metabolic Syndrome***  
Priscilla Montez, Ruben Rodriguez, Jose Viscarra, Daisuke Nakano, Akira Nishiyam, Rudy M. Ortiz, Ph.D.
- (21) ***Diversity in Genes for Pesticide Degradation***  
A. Iness, H. Deol, I. Gutierrez, A. Torbio, A. Wright, Ph.D.
- (22) ***Proteomic Evaluation of Pesticide-Resistant Breast Cancer Cell Lines***  
Julie Hale, Fiona Yamamoto, Jason Bush, Ph.D.
- (23) ***Latina farmworkers of the San Joaquin Valley with polymorphisms in xenobiotic-metabolizing genes have elevated risk of breast cancer***  
Yesenia Ibarra, Malika Sahni, Kathryn Patterson, Jessica Borba, Jason Bush, Ph.D., Paul Mills, Ph.D.
- (24) ***Fret Analysis Of The Interaction Between Alzheimer's Disease Related Proteins, App And X11***  
Niranjan K. Sudhakar, Joy J. Goto, Ph.D.
- (25) ***Comparison of body mass index, waist to hip ratio as predictors of body fat in overweight or obese adults***  
Wenjing Liu, M.D., Ph.D., Ashkan Imanzahrai, M.D., John Monteleone, M.D., Susan Hughes
- (26) ***Serum ammonia level does not affect anion gap measurement***  
Chunxia (Tracy) Li, M.D., Ph.D., Roger Mortimer, M.D., Susan Hughes
- (27) ***Utility of a diabetes themed fotonovela to reduce hyperglycemia in Latino diabetics***  
Roger Mortimer, M.D., Victoria Sorlie-Aguilar, M.D., Juan Carlos Ruvalcaba, M.D., Saire Guzman; Lily Peng, Ph.D., Melvin F Baron, Pharm.D.

- 10:30 a.m. ***Werther's Nash equilibrium: complicating "madness" in Goethe's The Sorrows of Young Werther***  
Kristin Baer, Toni Wein, Ph.D.
- 10:45 a.m. ***Wit and Humor in a Man's World: Aphra Behn's Feminine Language***  
Cheri Y. Halvorson, Toni Wein, Ph.D.
- 11:00 a.m. ***An Examination of Rape in Early Modern Literature***  
Lisa McHarry, Toni Wein, Ph.D.
- 11:15 a.m. ***The Sighing, Bleeding, Feasting Soul: Speech Scrolls in Mesoamerica***  
Meghan Cartier, Keith Jordan, Ph.D.
- 11:30 a.m. ***The Abcd Conundrum: Women, Marriage, And Alternative Formations of Power***  
Roksana Badruddoja, Ph.D.

12:15 p.m.

**Plenary Session**

1:30 p.m. – 1:45 p.m.

**Break- University Business Center,  
Gottschalks Gallery**

12:15 p.m.

**Plenary Session**



Concurrent Session H

University Business Center  
Auditorium, Room 194

- 10:30 a.m.      ***Website Usability Analysis – Fresno State’s Henry Madden Library***  
Jason McClung, Mark Cabrera, Henry Delcore, Ph.D., James Mullooly, Ph.D.
- 10:45 a.m.      ***Interpersonal Communication in the Digital World***  
Mariam Mohammad, Sally Murphy, Ph.D.
- 11:00 a.m.      ***Textbook Study***  
Selena Farnesi, Cody Madsen, James Mullooly, Ph.D.
- 11:15 a.m.      ***Assessing Lesson Complexity and Teaching Behaviors in Sport***  
Brian Riddle, Wade Gilbert, Ph.D.
- 11:30 a.m.      ***Youth Spoken Word: Expression, Activism, and the Cycle of Poetry***  
Sandra Huerta Baca, Natalie Boero, Ph.D.

12:15 p.m.      **Plenary Session**

1:30 p.m. – 1:45 p.m.      **Break- University Business Center,  
Gottschalks Gallery**

Poster Session II continued  
11:00 a.m. until 12:30 p.m.

University Business Center  
Gottschalks Gallery

Authors will be available for questions from 11:00 a.m. until 12:30 p.m.

- (11)      ***Inhibition of Lysosomal Proteases Induces Accumulation of Fragments of IGF-1 Receptor Beta Subunit in Neuroblastoma Cells***  
Ikechuwkwu Ollawa, Mehrnoosh Soori, Guizhen Lu, Robert W. Mason, Jesus Cisneros, Ph.D.
- (12)      ***Synthesis and Characterization of Low Dimensional Boron Carbide Nanostructures***  
Sung-kyu Lee, D. Zhang, Ph.D.
- (13)      ***Comparison of the sensitivity of parallel hole and slit-slat collimator arrays in breast spect***  
Carmin Liang, Charles Tenney, Ph.D.
- (14)      ***A Critical Analysis of Three Methods Of Estimating Distances To Cataclysmic Variables***  
Michael J. Gariety, F. A. Ringwald, Ph.D.
- (15)      ***Analyzing atlas simulation data to search for new particles***  
Navid K. Rad, Yongsheng Gao, Ph.D.
- (16)      ***Analytical Solutions For Volume Sensitivity of Slit-Slat Collimators in Nuclear Medical Imaging***  
Joseph DiPirro, Charles Tenney, Ph.D.
- (17)      ***Waves in Accretion Disks, Observed with Fresno State’s Station at Sierra Remote Observatories: HV Andromedae, LQ Pegasi, and LN Ursae Majoris***  
Gerald D. Rude, Frederick Ringwald, Ph.D.
- (18)      ***Bacterial endophyte diversity in the lodgepole pine***  
Emily C. Wilson, Carolin Frank, Ph.D.
- (19)      ***Effects of Low Temperature Fire on Soil Aggregate Stability***  
Ammar A. Abalasmeh, Teamrat A. Ghezzehei, Ph.D.

Poster Session II  
11:00 a.m. until 12:30 p.m.

University Business Center  
Gottschalks Gallery

Plenary Session

University Business Center  
Auditorium, Room 191

Authors will be available for questions from 11:00 a.m. until 12:30 p.m.

- (1) ***Mechanization of Cut Flower Harvest***  
John Clark, Balaji Sethuramasamyraja, Ph.D.
- (2) ***Architecture and design of simulation platform for DCS***  
My Viet Dang, K. Gilhotra, Nitaigour Mahalik, Ph.D.
- (3) ***Geo-Spatial Yield Monitoring Technology for Mechanized Almond Harvest***  
Sheenam Mehta, Sunny Sehgal, Balaji Sethuramasamyraja, Ph.D.
- (4) ***Use of Selenium-enriched Mustard and Soy Seed Meals as Potential Bioherbicides and Green Fertilizer in Organic Spinach and Broccoli Production***  
Annabel Rodriguez, Gary Banuelos, Sajeemas Pasakdee, Ph.D., Anil Shrestha, Ph.D.
- (5) ***Preliminary screening of suspected glyphosate resistance in Palmer Amaranth (*Amaranthus palmeri*) in the Central Valley finds negative results***  
Jeff Gallagher, Marcelo Moretti, Anil Shrestha, Ph.D.
- (6) ***Invertebrate Drift Dynamics of the San Joaquin River***  
Zachary Foster, Tim Lewis, Mike Grill, Sarah Rutherford, Steve Blumenshine, Ph.D.
- (7) ***Determining the Habitat Preference of Sand Lance (*Ammodytes hexapterus*) Using Multibeam Bathymetry in the San Juan Islands, Washington***  
Elizabeth Davidson, H. Gary Greene, Fraka Harmsen, Ph.D.
- (8) ***Order within the chaotic: Franciscan Complex field relations show km-scale overturned folds, an olistostrome deposited on intra-Franciscan serpentinite, and more***  
Rachel Prohoroff, John Wakabayashi, Ph.D.
- (9) ***Etuku Member of the Mamfe Basin Formation, Cameroon West-Central Africa: Potential Hydrocarbon Reservoir***  
Lucien Nana, Fraka Harmsen, Ph.D.
- (10) ***Revisiting the Tectonic Setting of Mesozoic Volcanism, Central Sierra Nevada, California***  
Jennifer Ratliff, Keith Putirka, Ph.D., John Wakabayashi, Ph.D.

- 12:15 p.m. Opening Remarks and Welcome  
Dr. Thomas McClanahan  
California State University, Fresno
- Dr. Donna Hudson  
University of California, San Francisco  
Fresno Medical Education Program
- 12:25 p.m. ***The Incidence of Congenital Anomalies in a Single Perinatology Practice in the California Central Valley***  
Teresa Elena Munoz, Rena Hu, Amy Teng, Brian Morgan, Ph.D.
- 12:40 p.m. ***The stress response: A look at the difference between Mexican-Americans and Caucasians***  
Carlos Anthony Cassillas, Brittany Rudd, Amanda Mortimer, Ph.D.
- 12:55 p.m. ***Timekeeping Mechanism of a Cyanobacteria Circadian Oscillator***  
Roger Tseng, Yong-Gang Chang, Nai-Wei Kuo, Andy Li Wang, Ph.D.
- 1:10 p.m. ***Emissions Measurements of Volatile Organic Compounds from a San Joaquin Valley Dairy***  
Kennedy Vu, Lucien Nana, Srikar Middala, Jeff Cole, Catalina Olea, Austen Scruggs, Shawn Ashkan, Julie Steele, Stacy Brown, Segun Ogunjemiyo, Ph.D., Alam Hasson, Ph.D.
- 1:30 p.m. – 1:45 p.m. **Break- University Business Center, Gottschalks Gallery**
- 5:00 p.m. **Concluding Address – Alice Peters Auditorium, Room 191**  
***Ecto and Endoparasitic Prevalence in Peri-domestic Medium Size Mammals in Stanislaus County, California***  
Paul R. Crosbie, Ph.D.

**Proceed to Student Award Presentations and Social Hour**

Concurrent Session I

University Business Center  
Auditorium, Room 191

- 1:45 p.m. ***When Viewpoint Matters: How Narrative Perspective and Social Distance Influence Virtual Agent Placement***  
Justin L. Matthews, Teenie Matlock, Ph.D.
- 2:00 p.m. ***From Trauma To Triumph: Emotional Regulation In The Presence Of Chronic Pain And The Relationship To Depressive Symptoms And Coping Skills***  
Robyn M. Richardson, Manuel Figueroa, Ph.D.
- 2:15 p.m. ***Looking at How Affordances Change Viewpoint***  
Michelle D. Greenwood, Michael J. Spivey, Ph.D.
- 2:30 p.m. ***The effects of proximity, written prompts, and public posting on recycling at a university setting***  
Angelica Aguirre, Criss Wilhite, M.A., B.C.B.A., Marianne Jackson, Ph.D., B.C.B.A., Amanda Adams, Ph.D., B.C.B.A.
- 2:45 p.m. ***Motion perception using a critical branching neural network***  
Janelle Szary, Christopher Kello, Ph.D.

3:00 – 3:15 p.m. **Break- University Business Center, Gottschalks Gallery**

- 5:00 p.m. **Concluding Address – Alice Peters Auditorium, Room 191**  
***Ecto and Endoparasitic Prevalence in Peri-domestic Medium Size Mammals in Stanislaus County, California***  
Paul R. Crosbie, Ph.D.

**Proceed to Student Award Presentations and Social Hour**

Poster Session I continued  
9:00 a.m. until 10:30 a.m.

University Business Center  
Gottschalks Gallery

Authors will be available for questions from 9:00 a.m. until 10:30 a.m.

- (21) ***A Laboratory Investigation of the Reaction of Isoprene with NO<sub>3</sub> Radicals***  
Catalina Olea, Srikar Middala, Lucien Nana, Kennedy Vu, Alvaro Sosa Austen Scruggs, Ramya Addala, Alam Hasson, Ph.D.
- (22) ***Synthesis, characterization, and gas phase study of isoprene nitrates***  
Jeffrey J Jackson, Max Stephenson, Jeffrey Cole, Ronald L Marhenke, Alam S Hasson, Ph.D., Santanu Maitra, Ph.D.
- (23) ***Conformational analysis of analogs of DEET focusing on the restricted rotation of the C-N bond using molecular modeling and VT NMR study***  
William Thompson, Santanu Maitra, Ph.D., Krish Krishnan, Ph.D.
- (24) ***Identification of VOCs from Dairy Emissions***  
Jeff Cole, Srikar Middala, Austin Scruggs, Catalina Olea, Lucien Nana, Alam Hasson, Ph.D.
- (25) ***NMR Studies of Bis(O-ethyl-L-cysteinato)Nickel(II)***  
Arturo Gasga, Samantha Gustafson, Gregory Harnden, Melissa L. Golden, Ph.D.
- (26) ***Nickel Induced Oxygen Damage of Biological Molecules***  
Gregory Harnden, Melissa Golden, Ph.D.
- (27) *canceled*

12:15 p.m.

**Plenary Session**

Poster Session I continued  
9:00 a.m. until 10:30 a.m.

University Business Center  
Gottschalks Gallery

Authors will be available for questions from 9:00 a.m. until 10:30 a.m.

- (11) ***Sub-millisecond kinematics of bladderwort, the fastest known suction feeder***  
Matthew Brown, Ulrike K Müller, Ph.D.
- (12) *canceled*
- (13) ***cGMP production in Escherichia coli***  
Simranjeet Grover, Joel Curiel, Hwan Youn, Ph.D.
- (14) ***Carbon, nitrogen and growth: A comparison of physiological characteristics of native and invasive plant species***  
Conrad Braganza, Gagandeep Singh Rajpa, John V.H. Constable, Ph.D.
- (15) ***The Effects of Manganese Toxicity on Motor Activity in Drosophila melanogaster***  
Bradley Kroeker, Lana R. McGinnis, Shereen Dimes, Joy Goto, Ph.D.
- (16) ***Morphological Variation in Hair Morphology From Mammals of the Order of Artiodactyla***  
Elsbeth S. Murata, Michael V. Gonzalez, Kevin W.P. Miller, Ph.D.
- (17) ***A novel lenticular walking arena to quantify locomotory competence in fruit flies***  
S. Choudhury, N. T. Mekdara, M. J. Adam, J. J. Goto, O. Berg, U. K. Müller, Ph.D.
- (18) ***The Determination of Tadalafil in rat plasma by high-performance liquid chromatography with UV detection***  
Selemawit T. Ghebrendrias, Xee Vang 1, Kennedy – Kiet T. Vu, Glenda Polack, Alam Hasson, Ph.D.
- (19) ***Synthesis and Structural Studies of Bis(O-methyl-L-cysteinato)nickel(II)***  
Jonathan M. Powell, Steven A. Chabolla, Teresa L. Mendoza, Melissa L. Golden, Ph.D.
- (20) ***Effects of L-Glutamic Monosodium Hydrate on Drosophila Locomotion and q Viability***  
Madhubanti Chowdhury, Joy J. Goto, Ph.D.

Concurrent Session J

University Business Center  
Room 192

- 1:45 p.m. ***Entangled! The Quantum Behavior of Light***  
Arya Afshari, Clint Hawkins, Sky King, Courtney Lemon, Mathew Robison, Donald Woods, Barbara Hoeling, Ph.D., Yongsheng Gao, Ph.D.
- 2:00 p.m. ***Development of Mirrors for the CLAS12 High Threshold Cerenkov Counter***  
Emmanuel Angulo, Youri Sharabian, John Price, Ph.D.
- 2:15 p.m. ***Synthesis and Analysis of Rare-Earth Gadolinium Nanoparticles***  
Jose Amaral, Dulce Romero, Dennis Margosan, Saeed Attar, Ph.D., Melissa Golden, Ph.D., Pei-Chun Ho, Ph.D.
- 2:30 p.m. ***Detecting W and Z Bosons at the ATLAS Experiment of the Large Hadron Collider at CERN***  
Brent Wilson, Harinder Bawa, Yongsheng Gao, Ph.D.
- 2:45 p.m. ***Relationship of Time-Management Behaviors to the Effectiveness of Chemistry Prelab Assignments***  
Deborah L. Lair, Anne Zanzucchi, Ph.D.
- 3:00 – 3:15 p.m. **Break- University Business Center,  
Gottschalks Gallery**
- 5:00 p.m. **Concluding Address – Alice Peters Auditorium,  
Room 191**  
***Ecto and Endoparasitic Prevalence in Peri-domestic Medium Size Mammals in Stanislaus County, California***  
Paul R. Crosbie, Ph.D.

**Proceed to Student Award Presentations and Social Hour**

Concurrent Session K

University Business Center  
Room 194

- 1:45 p.m. ***Perceived Stressors: Differences Between Mexican American and Caucasian College Students***  
Brittany N. Rudd, Carlos Cassillas, Amanda R. Mortimer, Ph.D.
- 2:00 p.m. ***The Lexical Effects of Visual Similarity Structure on Audiovisual Spoken Word Recognition***  
Vincent Aguirre, Lorin Lachs, Ph.D.
- 2:15 p.m. ***Prompting to Improve Academic Performance in Children with Autism***  
Ryenne Amomonpon, Amanda Adams, Ph.D.
- 2:30 p.m. ***A Community Perspective on Obesity***  
Jacqueline Cortez, Adrianna Salinas, Raymond Ramirez, Henry Delcore, Ph.D.
- 2:45 p.m. ***GIS Asset Mapping of the City of Merced: A Collaboration between university students and the community***  
Johnny Moua, Elaine Lai, Stergios Roussos, Ph.D.
- 3:00 – 3:15 p.m. **Break- University Business Center, Gottschalks Gallery**
- 5:00 p.m. **Concluding Address – Alice Peters Auditorium, Room 191**  
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Paul R. Crosbie, Ph.D.

**Proceed to Student Award Presentations and Social Hour**

Poster Session I

9:00 a.m. until 10:30 a.m.

University Business Center

Gottschalks Gallery

Authors will be available for questions from 9:00 a.m. until 10:30 a.m.

- (1) *canceled*
- (2) ***Vintage Costume Collection: Saving our history for tomorrow***  
Lauren Meade, Kelsey Oliver, Elizabeth Payne, Ph.D.
- (3) ***The 12 Untold Stories***  
Nu Vang, Gary Rice, Ph.D.
- (4) ***The Effect of Depression Screening Days on Students Attitudes Toward Depression When They Miss the Event***  
Danny M. Pavlovich, Casey M. Cauble, Christine Edmonson Ph.D., Rebecca Raya-Fernandez, Ph.D.
- (5) *canceled*
- (6) ***The Modality and Intervallic Relationships in Agreeable and Disagreeable Dyadic Conversation***  
Brooke Okada, Benjamin Boone, Lorin Lachs, Ph.D.
- (7) ***Evaluating iPad Technology for Improving Communication Initiation for Children with Autism***  
Gina Gavrilis, Amanda Adams, Ph.D.
- (8) ***Analyzing Various Methods of Immediate Feedback using Clicker Response System***  
Dario T. Santiago, Danny M. Pavlovich, Karl M. Oswald, Ph.D.
- (9) ***Magma Mixing as Recorded in Inclusion-Host Interactions of Lassen Volcanic Center, California***  
Alaina Wood, Keith Lutirka, Ph.D.
- (10) ***The Role of Non-Muscle Myosin II in Early Cleavage Development and Gastrulation of the Cnidarian Nematostella Vectensis***  
William A. Whalen, Craig Magie, Ph.D.

Concurrent Session O

University Business Center  
Room 194

- 3:30 p.m. ***Measurement of Dairy Emissions Using Infra-Red Photoacoustic Detection***  
Austen Scruggs, Sean Campbell, Catalina Olea, Alvaro Sosa, Lucien Nana, Kennedy Vu, Srikar Middala, Alam Hasson, Ph.D.
- 3:45 p.m. ***Providing Affordable Wastewater Treatment with Environmental Benefits to Small, Rural Disadvantaged Communities***  
Steven Garcia, William Wright, Ph.D.
- 4:00 p.m. ***Isolating and Identifying Bacillus Species***  
Tori Kennedy, M. Ganci, M. Thomas, Mamta Rawat, Ph.D.
- 4:15 p.m. ***Growth of Chloropicrin-degrading Microbes***  
Javier Garcia, Alice Wright, Ph.D.
- 4:30 p.m. ***Sea turtle nesting as a process that impacts beach ecosystems***  
Erinn Madden, Derek Madden, Ph.D.
- 5:00 p.m. **Concluding Address – Alice Peters Auditorium, Room 191**  
***Ecto and Endoparasitic Prevalence in Peri-domestic Medium Size Mammals in Stanislaus County, California***  
Paul R. Crosbie, Ph.D.

**Proceed to Student Award Presentations and Social Hour**

Concurrent Session L

University Business Center  
Auditorium, Room 191

- 3:15 p.m. ***Reading a Myth in the Passing of a Hmong Leader***  
Kao-Ly Yang, Ph.D.
- 3:30 p.m. ***The effects of neurotoxin BMAA on motor control in fruit flies***  
Nalong Mekdara, Ulrike Müller, Ph.D.
- 3:45 p.m. ***Investigating the expression dynamics of cell adhesion genes during gastrulation in Nematostella vectensis***  
Aditi Prashar, Craig R. Magie, Ph.D.
- 4:00 p.m. ***Selenium Incorporation and Partitioning in 'Jose' Tall Wheat Grass (Thinopyrum ponticum cv. Jose) Irrigated with Saline Drainage Water***  
Jaya Ram K.C., Sharon Benes, Ph.D., Peter Robinson, Stephen Grattan, Suduan Gao, John Bushoven, Ph.D.
- 4:15 p.m. ***Effect of plant density and nitrogen on Sweet corn yield and quality***  
Nathalia Mourad, Ganesan Srinivasan, Ph.D., Anil Shrestha, Ph.D.
- 4:30 p.m. ***The role of methyl farnesoate as a reproductive regulator in the tadpole shrimp, Triops longicaudatus***  
Michael Tran, Brian Tsukimura, Ph.D.
- 5:00 p.m. **Concluding Address – Alice Peters Auditorium, Room 191**  
***Ecto and Endoparasitic Prevalence in Peri-domestic Medium Size Mammals in Stanislaus County, California***  
Paul R. Crosbie, Ph.D.

**Proceed to Student Award Presentations and Social Hour**

Concurrent Session M

University Business Center  
Room 192

- 3:15 p.m. *Suicide (Jisatsu) and Groupism (Shuudan) in Japan*  
Kelly Olsson, Steve Stryker, Ph.D.
- 3:30 p.m. *It suits him: Perpetuating Evo Morales' media image in blogs*  
Maira Blanco, Natalie Boero, Ph.D.
- 3:45 p.m. *Reasoning Sessions with Irie Vatos: Mexican-American Rastafari Identity*  
Monique Posadas, Jan English-Lueck, Ph.D.
- 4:00 p.m. *Performing in Prison: An Exploration of Gender Performance and Sexuality, Hegemonic Masculinity, and Male Prisons as a Gendered Setting*  
Emmajean Balmonte Johnson, Susan Murray, Ph.D.
- 4:15 p.m. *Key factors of recidivism in convicted Interpersonal Violence offenders: A qualitative study*  
Joshua L. Paulos, Gretchen Reevy, Ph.D.
- 4:30 p.m. *Testing Student Knowledge: Perception towards Misdemeanor Charges and Consequences of Restricted Access*  
Krystaelynn Sanders, Julie Beck, Ph.D.
- 5:00 p.m. **Concluding Address – Alice Peters Auditorium, Room 191**  
*Ecto and Endoparasitic Prevalence in Peri-domestic Medium Size Mammals in Stanislaus County, California*  
Paul R. Crosbie, Ph.D.

**Proceed to Student Award Presentations and Social Hour**

Concurrent Session N

University Business Center  
Room 286  
Dean's Conference Room

- 3:15 p.m. *Uncovering the Essence of Music in Exercise Experiences*  
Melissa M. Flores, Jenelle N. Gilbert, Ph.D., Wade Gilbert, Ph.D.
- 3:30 p.m. *Coaching Education in Action: Observations from Pilot Studies in Youth Sport Settings*  
Rachael Bertram, Wade Gilbert, Ph.D.
- 3:45 p.m. *Elite Coaching Effectiveness in Action: A Mid-Season Review*  
Nate Ferrante, Matt Emmett, Tim Hamel, Wade Gilbert, Ph.D.
- 4:00 p.m. *Verbal Morphophonology in Chukchansi Yokuts*  
Peter Ara Guekguezian, Chris Golston, Ph.D.
- 4:15 p.m. *Differences In Ratings Of Quality Of Life Between Spouses Within An Older, Married Population in The Central Valley*  
Garrett M. Koslan, Amanda R. Mortimer, Ph.D.
- 4:30 p.m. *Fielding a Psychoeducational Shame Resilience Curriculum to Women in Substance Abuse Treatment*  
Virginia Rondero Hernandez, Ph.D.
- 5:00 p.m. **Concluding Address – Alice Peters Auditorium, Room 191**  
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