

**Judges for Undergraduate and Graduate Oral and Poster Presentations**

Dr. Loren Alving	University of California, San Francisco
Dr. Jason Bush	California State University, Fresno
Dr. Comlan DeSouza	California State University, Fresno
Dr. Kathleen Dyer	California State University, Fresno
Ms. Marie Fisk	California State University, Fresno
Dr. Joseph Gandler	California State University, Fresno
Dr. Alam Hasson	California State University, Fresno
Dr. Howard Hendrix	California State University, Fresno
Dr. Robert Hierholzer	VA Medical Center-Fresno
Dr. Donna Hudson	University of California, San Francisco
Ms. Susan Hughes	University of California, San Francisco
Dr. Thomas McClanahan	California State University, Fresno
Dr. Mamta Rawat	California State University, Fresno
Dr. Ellen Shimakawa	California State University, Fresno
Mr. Rick Stewart	Fresno City College
Dr. Brian Tsukimura	California State University, Fresno
Dr. Oscar Vega	California State University, Fresno

**Moderators for Oral Presentations:**

Mr. Doug Carey	California State University, Fresno
Dr. Carmen Caprau	California State University, Fresno
Dr. Daniel Griffin	California State University, Fresno
Dr. Ellen Shimakawa	California State University, Fresno
Dr. Brian Tsukimura	California State University, Fresno
Dr. Oscar Vega	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.

**Event And Proceedings Coordinators**

Millie C. Byers & Maral Kismetian  
California State University, Fresno

---

---

**35th ANNUAL**

**CENTRAL  
CALIFORNIA  
RESEARCH  
SYMPOSIUM**

**PROGRAM**

**Convened on  
Thursday, April 24, 2014  
in the  
University Business Center  
California State University, Fresno**

---

---

Poster Session IV continued  
3:00 p.m. until 4:30 p.m.

University Business Center  
Gottschalks Gallery

Authors will be available for questions from 3:00 p.m. until 4:30 p.m.

- (17) ***Concentrations of Selected Organics and Reactive Oxygen Species Generation From PM 2.5 Extracts***  
James A. Baroi, Sowmya Tummala, Kennedy-Kiet T. Vu, Annabelle Lolingo, Kylie Markarian, Clarissa Niino, Robyn Verhalen, Catalina Olea, Alam S. Hasson
- (18) ***Improving Nutrition Iq: Results of an Interactive Peer-To-Peer Intervention in A High-School Setting***  
Madison Hope Espinosa, Gabriela Alquinzon, Isiah Aranda, Aleija Trice, Renee Kinman
- (19) ***Renal Cell Carcinoma: Retrospective Analysis of Outcomes in Patients Treated with Cytoreductive Nephrectomy***  
Andrew Yue, Jaynesh Patel, Terence Sio, Nick Youssefi, Christopher Russo, Melanie Soch, Uzair Chaudhary
- (20) ***Self-Reported Reasons Why HIV/Aids Patients Miss Appointments in a Metropolitan Specialty Clinic***  
Sam Wijesinghe, Ivan Gomez, Susan Hughes, Alex Moir, Roger Mortimer, Simon Paul, MD
- (21) ***Comparison of International Normalized Ratio Values to Bleeding and Coagulation-Related Complications in Patients on Warfarin***  
Christopher A. Nerantzinis, Subathra Murugaiah, Robert Tevendale, John Zweifler, Roger Mortimer, Susan Hughes, Linda Ly
- (22) ***Arthritis, Monkeys, and a Case for Movement***  
Sierra Madden, Erinn Madden

Poster Session IV  
3:00 p.m. until 4:30 p.m.

University Business Center  
Gottschalks Gallery

Concurrent Session A

University Business Center  
Auditorium, Room 191

Authors will be available for questions from 3:00 p.m. until 4:30 p.m.

- (10) ***Synthesis, Purification, Characterization, and Gas Phase Studies of Atmospherically Relevant and Model Hydroperoxides***  
Edwin I. Lozano, Truc D. Le, Emilio L. Cardenas, Nicholas M. Vizenor, Austen K. Scruggs, Alam S. Hasson, Santanu Maitra
- (11) ***Development of Apolipoprotein E (ApoE) Modulators Based on Triarylmethyl Amine Pharmacophore Using Structure-Activity Relationship (SAR) Studies.***  
Jhonnathan Brawley, Santanu Maitra
- (12) ***Electronic Effects On Double Bond Character: NMR Studies of Substituent Effects In Para- And Meta- DEET Analogs as a Model System.***  
Salvador Vazquez, Quyen A. Nguyen, Kalyani Maitra, Viswanathan Krishnan, Santanu Maitra
- (13) ***Characterizing Spectroscopic Properties of N-Methylfulleropyrrolidines***  
Randy Espinoza, Zinab Alsubhi, Jai-Pil Choi
- (14) ***Development of Small Chalcone and Analogous Organic Molecules for Apolipoprotein E (ApoE) Modulation Through a Structure-Activity Relationship (SAR) Study***  
Emilio L. Cardenas, Kalyani Maitra, Santanu Maitra, Irfan Tamboli, William G. Rebeck
- (15) ***The Anti-Apoptotic Proteins Bcl-2 and Bcl-Xl Differentially Affect Citrate Synthase Activity, a Mitochondrial Marker of Oxidative Energy Metabolism'***  
Dejean, L. Wilson, Laurent Dejean
- (16) ***The Effects Of BMAA, an Environmental Neurotoxin, on Learning and Memory in Fruit Flies***  
Shayan Zoghi, Joy J. Goto

- 9:00 a.m. ***Role Of Phe-Phe Hydrophobic Interactions in Intrinsically Disordered Proteins from Yeast Nucleoporins***  
Korey M. Reid, Viswanathan Krishnan
- 9:15 a.m. ***Emissions of Vocs And Methane from a Central California Dairy***  
Catalina Olea, Aroob Abdelhamid, Segun Ogunjemiyo, Shawn Ashkan, Julie Steele, Srikar Middala, Kennedy Vu, Laxmi R. Addala, Lucien Nana, Austen Scruggs, Reynaldo Luna, Alam Hasson
- 9:30 a.m. ***Product Yields from the Reaction of Isoprene with OH Under Low Nox Conditions***  
Jaime R. Green, Lucas Algrim, Nick Vizenor, Geoffrey Tyndall Alam S Hasson
- 9:45 a.m. ***Se-Enriched Tall Wheatgrass Hay as a Substitute for Sodium Selenite in the Diets of Dairy Cattle***  
Grace S. Cun, P.H. Robinson, Sharon Benes
- 10:00 a.m. ***Screening for Glyphosate-Resistance in Palmer Amaranth (Amaranthus Palmeri) Populations of California's San Joaquin Valley***  
Sonia I. Rios, Steven D. Wright, Anil Shrestha
- 10:15 a.m. **Break – University, Business Center, Gottschalks Gallery**  
10:30 a.m. **Concurrent Session Resume**

Concurrent Session B

University Business Center  
Room 192

- 9:00 a.m. ***Spreads and Parallelisms***  
Megan Kuneli, Oscar Vega
- 9:15 a.m. ***Blocking Polygons in Finite Projective Planes***  
Karen Willis, Oscar Vega
- 9:30 a.m. ***The Dubrovnik Polynomial of Rational Knots***  
Katherine Urabe, Carmen Caprau
- 9:45 a.m. ***Preconditioned Multigrid***  
Elda Bautista, Doreen De Leon
- 10:00 a.m. ***The Kauffman Bracket for Virtual Singular Links***  
Kelsey Friesen, Thoa Tran

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

Poster Session IV  
3:00 p.m. until 4:30 p.m.

University Business Center  
Gottschalks Gallery

Authors will be available for questions from 3:00 p.m. until 4:30 p.m.

- (1) ***The Effects of Choice on Memory***  
Kara Sidorowicz, Karl Oswald
- (2) ***Self-Harming Behavior in Individuals with Disorders of Sex Development***  
Jennie Hosey, Tamar Kenworthy
- (3) ***Moral Injury in Combat-Related PTSD***  
Megan Pollock, Amy Mouanoutoua, Katie Walker, Paul C. Lebbby
- (4) ***Performance of Traumatic Brain Injured Versus Other-Brain Injured Children and Adolescents on the Lebbby-Asbell Neurocognitive Screening Examinations***  
Brittany Cunningham, Denise Hinshaw, Sukhjit Mann, Alinna Card, Don Vercellini, Paul Lebbby
- (5) ***Psychological Well-Being and Hypertension in Elderly in Rural Vietnam***  
Ioana Cebulla, Kristina Reynolds, Suni Petersen
- (6) ***Using Self-Authorship Theory to Elevate Student Success***  
Byron Harwell, Cheri Cruz
- (7) ***A Novel Class of Potential Anticancer Agents Inspired by Dietary Curcumin***  
Chengsheng Chen, Rubing Wang, Xiaojie Zhang, Qiao-Hong Chen
- (8) ***Cytotoxic Evaluation of Curcumin-Based Anticancer Agents Against HeLa Cells***  
Xiaojie Zhang, Rubing Wang, Guanglin Chen, Laurent Dejean, Qiao-Hong Chen
- (9) ***Structural Basis for Antigen Recognition of a Tumor Specific Therapeutic Antibody***  
Mohammadreza Movahedin, Teresa M. Brooks, Madi Madiyalakan, Cory L. Brooks

Poster Session III continued  
1:00 p.m. until 2:30 p.m.

University Business Center  
Gottschalks Gallery

Concurrent Session C

University Business Center  
Room 194

Authors will be available for questions from 1:00 p.m. until 2:30 p.m.

- (19) ***Comparative Study of DNA Specificity in Coxa and CRP***  
Hwan Youn, Austin Mendoza, Susana Mariscal Chavez, Geil Merana
- (20) ***Polymorphism Analyses in Specific Xenobiotic-Metabolizing Genes of Hispanic Farmworkers from The San Joaquin Valley With Hormone-Dependent Cancer***  
Yesenia Ibarra, Kathryn Patterson, Kenya Covarrubias, Karina Hernandez, Malika Sahni, Jason Bush, Paul Mills

9:00 a.m. ***A Kinetic and Mechanistic Study of Isoprene Hydroperoxide with Ozone***  
Aroob Abdelhamid, Vinay Kumar, Austen Scruggs, Edwin Lozano, Alam Hasson

9:15 a.m. ***Synthesis Towards a Stabilized Zampanolide Analog as an Anticancer Agent***  
Rubing Wang, Nithya Subrahmanyam, Qiao-Hong Chen

9:30 a.m. ***Synthesis and Characterization of Nd Nanoparticles***  
Maya Castro de La Torre, Ryan Fukuda, Dennis Margosan, Saeed Attar, Melissa Golden, Pei-Chun Ho

9:45 a.m. ***Efficient Wireless Power Transfer (WPT) for Microscale Biosensors Over Mid-Range Distance with Magnetically Resonant Coils***  
Abhijit Suprem, Nagy Bengiamin

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

Concurrent Session D

University Business Center  
Auditorium, Room 191

Poster Session III continued  
1:00 p.m. until 2:30 p.m.

University Business Center  
Gottschalks Gallery

- 10:30 a.m. ***Characterization of Self Dual Lattices in  $R$ ,  $R^2$ , and  $R^3$***   
Comlan de Souza, David Kammler
- 10:45 a.m. ***Numerical Simulations of Near-Nozzle Exit Characteristics for an Effervescent Atomizer at Low Gas to Liquid Mass Flow Ratio***  
Deify Law
- 11:00 a.m. ***Use of Synchrotrons for Fault Area Detection and Monitoring – A New Scheme***  
Laura N Valencia Navarro
- 11:15 a.m. ***Android Mobile Security Enhancement Using a Hybrid Approach***  
Gautam Bagaria, Jin Park
- 11:30 a.m. ***The Economy Impact of Jordan Research Center Construction in Fresno County***  
Ran Wei, Pei Xu, Daming Zhang

Authors will be available for questions from 1:00 p.m. until 2:30 p.m.

- (11) ***Ocean Acidification Effects on Copepod Mortality***  
Robin Michele Lopez, Brian Tsukimura
- (12) ***Identification of Disrupted Genes in Mycobacterium Smegmatis***  
Alisha Ramlan, Mamta Rawat
- (13) ***Exploring Speciation in Caenorhabditis Briggsae Through Mitochondrial Dysfunction in Hybrids***  
Joel Rodriguez, Joseph A. Ross
- (14) ***Spatial Learning Assessment in Split-Brain Periplaneta Americana***  
Matthew Pomaville, Sheyla Aucar, David D. Lent
- (15) ***Metabolic Profile of Irradiated Embryonic Stem Cells***  
Carrie Tambo, Malika Sahni, Megha Kumar, Jason Bush, Krish Krishnan, Amir Huda
- (16) ***Current Strategies in Eradicating Pancreatic Cancer Stem Cells by Targeting the Hedgehog Pathway***  
Kristin Herring, Lulu Wong, Alexander Tran
- (17) ***Quantification of Fat Levels in Nematodes Suffering From Hybrid Dysfunction***  
Chih-Chiun Jamie Chang, Joseph Ross
- (18) ***Learning and Memory Deficits Associated with Overexpression of The Alzheimer's Disease Associated Protein Tau in Drosophila Melanogaster***  
Daeun Hwang, Anhad Gujjar, Joy Aparicio Valenzuela, Nischint Gondara, Pallavi Bekal, David D. Lent

11:45 **Break -- University Business Center, Gottschalks Gallery**  
12:00 **Plenary Session – University Business Center, Auditorium,**  
R **oom 191**

Poster Session III  
1:00 p.m. until 2:30 p.m.

University Business Center  
Gottschalks Gallery

Concurrent Session E

University Business Center  
Room 192

Authors will be available for questions from 1:00 p.m. until 2:30 p.m.

- (1) ***Empathy, Possessions, and Identity: Defining Ourselves Through Objects***  
Raymond Tam, Clifton Oyamoto
- (2) ***The Psychosocial Contributors to a Healthy Identity Development in LGB Youth During the Coming out Process***  
Nisa Faragasso, Russell Arias
- (3) ***The Relationship Between Personality Traits and Polydrug use***  
Pauline Bayati, Sean Laraway
- (4) ***A Comparison of Intensifier and Non-Intensifier Labels on Likert-Type Scale Responses***  
Ryan Welker, Monica Kiser, and Ronald Yockey
- (5) ***Fresno State Psychology Alumni's Perception of Their Major: Differences Between First Generation and Non-First Generation College Students***  
Judith Gagnebin, Constance J. Jones
- (6) ***The Psychosocial Contributors to Identity Development in Multiracial Youth Within the Bay Area***  
Janora Davis, Russell Arias
- (7) ***Spirituality and Experiential Avoidance in Social Anxiety***  
Elizabeth Mejia-Munoz, Jennifer A. Gregg
- (8) ***Education (In)Equality: Institutional Organization and its Effects on Latino Students***  
Gabriela Gonzalez, Claudio Vera Sanchez
- (9) ***A 3-Year Evaluation of Graduates from the Fresno County Post Conviction Drug Court***  
Helen B. Miltiades, Virginia Rondero Hernandez
- (10) ***Mitochondrial Gene Loss Following Whole Genome Duplication in *Xenopus Laevis****  
Andres J. Nevarez, Adam Session, Daniel Rokhsar

- 10:30 a.m. ***Navigating Citizenship How Histories of Immigration Affect Voting***  
Marie Lerma, Loretta Kensinger
- 10:45 a.m. ***The Daughters of Sojourners: The Yemeni-American Female's Experience in Education***  
Gokh Alshaif, Noor Qwfan, Kent Price
- 11:00 a.m. ***Secure and Anxious Attachment Styles in Relation to the Use of Nonverbal Immediacy***  
Carolina Alvarez, Taron Tadevosyan, Leslie Ramos-Salazar
- 11:15 a.m. ***Online Dating and American Culture: Economy, Serendipity, and Self-Construction in Memoirs of Internet-Mediated Courtship***  
Andrew Anguiano, Todd Ormsbee
- 11:30 a.m. ***Riot Grrrl and Third Wave Feminism: Creating Space, Challenging Norms and Shaping a Generation***  
Sasha Bassett, Tanya Bakhru
- 11:45  
12:00  
R **Break -- University Business Center, Gottschalks Gallery  
Plenary Session -- University Business Center, Auditorium,  
Room 191**

Concurrent Session F

University Business Center  
Room 194

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

University Business Center  
Gottschalks Gallery

10:30 a.m. ***Untangling the Grim Web: Women's Hair as Rhetorical Space in the Victorian Dramatic Monologue***  
Michael Gray, Ruth Jenkins

10:45 a.m. ***Health and Mental Health Assessments of Informal Caregivers of Cancer Patients***  
Elizabeth Kenerly, Martha Vungkhanching

11:00 a.m. ***MSW Student***  
Nadine Mejia, Martha Vungkhanching

11:15 a.m. ***Distress in Cancer Patients Receiving Life-Sustaining Treatment***  
Martha Vungkhanching, Elizabeth Kenerly

11:30 a.m. ***Conceptualizing Health and Health Seeking as Agency and Resistance among Older Mexican Immigrant Men in California's Central Valley***  
Tania L. Pacheco

11:45 **Break -- University Business Center, Gottschalks Gallery**  
12:00 **Plenary Session -- University Business Center, Auditorium,**  
R **oom 191**

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

(17) ***Polymorphism Analyses in Specific Xenobiotic-Metabolizing Genes of Hispanic Farmworkers from the San Joaquin Valley with Hormone-Dependent Cancer***  
Yesenia Thompson, Kathyn Patterson, Malika Sahni, Kenya Covarrubias, Karina Hernandez, Jason Bush, Paul Mills

(18) ***Effect of Nef Protein on TNT Formation in Macrophages***  
Shivalee Gujarathi, Karine Gousset

(19) ***Novel Methods for 3D Spheroid Cultures Using MDA-MB-231 Breast Cancer Isogenic Variants***  
William Whalen, Jason Bush



Poster Session II continued  
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.

- (10) ***Thermopower Puck for Measurements of Thermodynamic Properties***  
Andres Vargas, Ryan Fukuda, Nicholas Soliz, Pei-Chun Ho
- (11) ***Variability in Hot Subdwarfs and Related Objects from the Palomar Green Catalog***  
Melissa Blacketer, Frederick A. Ringwald
- (12) ***Exploring Factors Associated with Enrichment of 'Candidatus Liberibacter Solanacearum' in Excised Tomato Leaves***  
Nicholas Clark, TariLee Frigulti, Zheng Zheng, John T. Bushoven, Chris Wallis, Jianchi Chen
- (13) ***A Description of Petrolisthes Cinctipes and Petrolisthes Manimaculis Vitellin and The Development of an Enzyme-Linked Immunosorbent Assay***  
Robert Delmanowski, Brian Tsukimura
- (14) ***Neutralization of Listeria Monocytogenes by Single Domain Antibodies***  
Ian Huh, Robert Gene, Jyothi Kumaran, C. Roger MacKenzie, Cory L. Brooks
- (15) ***Effect of Glutathione on Lifespan in Drosophila Subjected to Stressful Conditions***  
Sandeep Gorle, David Lent
- (16) ***Metabolomic Analysis of Her2-Positive Breast Cancer Cells***  
Malika Sahni, Resmi Ravindran, Jason Bush, Krish Krishnan

- 12:00 p.m. Opening Remarks and Welcome  
Dr. Thomas McClanahan, California State University, Fresno  
Dr. Donna Hudson, University California, San Francisco  
Fresno Medical Education Program
- 12:25 p.m. ***Analysis of Visual Characteristics Related to Control of Travel Direction in Navigation of Ants***  
Carson Hoffman, David D. Lent
- 12:40 p.m. ***Monsters, Meat, and Monopoly: Rio De Janeiro's Meat Market, 1850-1889***  
Jordan Lapadula, Maria De Souza Lopes
- 12:55 p.m. ***The Determination of the Electrochemical Heterogeneous Rate Constants of Gold Nanoparticles with Different Alkanethiolate Ligands***  
Hafez Alawdi, JaiPil Choi
- 1:15 p.m. Break – University Business Center, Gottschalks Gallery  
1:30 p.m. Concurrent Sessions Resume

Concurrent Session G

University Business Center  
Auditorium, Room 191

- 1:30 p.m. ***Expression of Thiol Biosynthetic Genes and Peroxiredoxins in Mycobacterium Smegmatis***  
Ruzan Orkusyan, Derek Vargas, Mamta Rawat
- 1:45 p.m. ***Antimicrobial Effects of Curcumin Analogues Against Select Bacteria***  
Samantha Hartanto, Mamta Rawat
- 2:00 p.m. ***Comparison of Personal Exposure of Bicyclists to PM2.5, Black Carbon (BC), and Ultrafine Particles in Indoor and Outdoor Air***  
Melany Bunting, Yai Xiong, Sally Lam, Ezechimere Nwachukwu, Ku Lee, James Davis, Ashley Aliotti, Harshavardhan Deoghare, Jaymin Kwon
- 2:15 p.m. ***LGBTQIA Communities and Relationship Violence: Investigating Attitudes, Beliefs, and Perception of Service Needs***  
Amanda Dougherty, Jennifer Morazes

2:45 p.m. **Break – University Business Center, Gootschalks Gallery**  
3:00 p.m. **Concurrent Sessions Resume**

Poster Session II  
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.

- (1) ***Nitrogen Uptake of Glyphosate-Susceptible and Glyphosate Resistant Horseweed and Hairy Fleabane Seedlings***  
Hannah Pacheco, Anil Shrestha
- (2) ***Spent Oyster Mushroom (Pleurotus Ostreatus) Substrate as a Pre-Emergent Bio-Herbicide***  
Nadia Juarez, Anil Shrestha
- (3) ***Fabrication Of SU-8 Nanofibers Via Electrospinning***  
Brian Pham, Marco Antonio Rodriguez, Jaskawal Mann, Lisa Huynh, Harry Calvin Cramer, Selena Romero, Venu Polineni, Anand Gadre
- (4) ***Improving Branch Prediction Performance in a Multicore Processor***  
Lawton Nichols, Jin Park
- (5) ***An Efficient Protection Scheme for Database-Driven Web Sites From Sql Injection Flaws***  
Yogesh Bansal, Jin Park
- (6) ***An Invariant for Virtual Singular Links***  
Thoa Tran, Kelsey Friesen
- (7) ***Specific Heat of Pr1-Xndxos4sb12 from 10K To ~300K***  
Taylor McCullough-Hunter, Pei-Chun Ho, M. Brian Maple, Tatsuya Yanagisawa
- (8) ***Bow-Shock Nebulae in The Wide All-Sky Survey: Around The Celestial Equator***  
Kendall P. Hall, Frederick A. Ringwald
- (9) ***Nonaqueous Synthesis of Gadolinium and Neodymium Nanoparticles***  
Ryan H. Fukuda, Maya Castro, Pei-Chun Ho, Saeed Attar, Melissa Golden, D. Margosan

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

University Business Center  
Gottschalks Gallery

Concurrent Session H

University Business Center  
Room 192

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

- (18) ***Stability and Proteases Resistance of Camelidae Nanobodies for The Development of Oral Therapeutics***  
Samariah Bautch, Mohammadreza Movahedin, Jyothi Kumaran, Robert Gene, C. Roger MacKenzie, Cory L. Brooks
- (19) ***Specific Quantification of Activated Bax Using a Conformation-Specific ELISA Method***  
Ashley Peton, Rhaul Llanos, Navneet Kaur, Laurent Dejean
- (20) ***Isoprene Hydroxynitrates***  
Austen Scruggs, Aroob Abdelhamid, Vinay Kumar

1:30 p.m. ***The Exploration of Dance Film Production***  
Jessica Arnold, Kenneth Balint

1:45 p.m. ***The Hidden Effects of Telenovelas***  
Vania Alfaro, Susy Zepeda

2:00 p.m. ***The Relationship Between Child Maltreatment and Socioemotional Development of Children in The First Two Years of Life***  
Alexis Staver, Mark Van Selst

2:15 p.m. ***Curiosity in College Students: Associations With Academic Achievement and Religiosity***  
Morgan Sparlin, Kathleen Dyer

2:30 p.m. ***Peer Influence on First-Generation College Students' Motivation***  
Michael West, Jennifer Morazes

2:45 p.m. **Break – University Business Center, Gottschalks Gallery**  
3:00 p.m. **Concurrent Sessions Resume**

Concurrent Session I

University Business Center  
Room 194

- 1:30 p.m. ***Victim Participation in the Community Justice Conferencing Program and Its Effect on Juvenile Offender Recidivism***  
Yongseol Jang, Yoshiko Takahashi
- 1:45 p.m. ***Cultural Competency: An Understanding of Cultural Competency within the Division of Student Affairs at Fresno State***  
Brenda Sifuentez, Susana Hernandez
- 2:00 p.m. ***A Meta-Analysis Examining Sex Offender Treatment Effectiveness among CBT Programs***  
Jennifer L. Harrison, Siobhan K. O'Toole, Sue Ammen, Sean Ahlmeyer, Jacinda L. Peltz, Sheera N. Harrell
- 2:15 p.m. ***Female Youth Incarcerated in the Juvenile Justice System in Central California: A Preliminary Analysis***  
Ioana Cebulla, Katie D. Walker, Trisha M. Kivisalu, Paul C. Lebbly
- 2:30 p.m. ***Gender Bias and the Consequences for those Involved in Teacher-Student Sexual Relationships***  
Cody Charette, Eric Hickey
- 2:45 p.m. **Break – University Business Center, Gootschalks Gallery**  
3:00 p.m. **Concurrent Sessions Resume**

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.
- (10) ***Designing a Robot With Shape Metal Alloy (SMA) as Actuator and Controlling It With Arduino***  
Johnny Vang, The M. Nguyen
- (11) ***Magnetorheological (MR) Fluid Brake For Prosthetic Knee***  
The Nguyen, Vicente J. Munguia
- (12) ***Vertical Axis Wind Turbine Dynamic Analysis***  
Jose Angeles, The M. Nguyen
- (13) ***Synthesis and Cytotoxic Evaluation of Genistein Analogs as Anticancer Agents***  
Pahoua Xiong, Eduardo Delatorre, Xiaojie Zhang, Qiao-Hong Chen
- (14) ***Structure-Activity Relationship Studies on Curcumin-Based Anticancer Agents***  
Rubing Wang, Joshua Keith, Xiaojie Zhang, Nithya Subrahmanyam, Guanglin Chen, Qiao-Hong Chen
- (15) ***Redox Active Organic Signatures in Particulate Matter***  
Kylie Markarian, Alam S. Hasson, Kennedy- Kiet T. Vu, Catalina Olea, Annabelle Lolinco, James Baroi, Clarissa Nino, Robyn Verhalen, Teagan Zoldolske, Sowmya Tummala
- (16) ***Real Time Monitoring of Enzyme Kinetics by Nuclear Magnetic Resonance (NMR) Spectroscopy.***  
Cheenou Her, Aaron P. Alonzo, Justin Y. Vang, Ernesto Torres and Krish Krishnan
- (17) ***Study of The Regulatory Role of Bcl-2 Family Proteins on Lactic Fermentation***  
Miriam Ahmad, Bushra Mahmood, Jessica Wilson, Laurent Dejean

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

University Business Center  
Gottschalks Gallery

Concurrent Session J

University Business Center  
Auditorium, Room 191

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

- (1) ***Culturing Clothes: Recreating A 1920s Garment***  
Lauryn Moles, Elizabeth Payne
- (2) ***Regular Breakfast Consumption And Children's Performance On The California Fitness Test***  
Kimberly Rafael, Amber Hammons
- (3) ***Mapping Of The Grandad Site Near Mariposa, California***  
Shelby Jones, John Pryor, Barry Smith
- (4) ***Perception of Elementary School Staff on Child Bereavement***  
Rosio Azua-Valdez, Martha Vunkhanching
- (5) ***The Efficacy of Concurrent Treatment in Improving Speech Sound Production and Generalization in a Child With a Cochlear Implant***  
Karina Harris, Frances Pomaville
- (6) ***Effectiveness of an Educational Presentation in Increasing The Knowledge of Fall Prevention in Older Adults Living in Fresno***  
Alina Marrone, Peggy R. Trueblood
- (7) ***Magnetorheological Shock***  
Christopher Pineda, The M. Nguyen
- (8) ***Design of a Dynamically Scaled Robotic Bladderwort for Flow Visualization***  
Adrienne Olaivar, Otto Berg, Ulrike Müller
- (9) ***Acoustic Noise Reduction***  
Daniel R. Hairabedian, The M. Nguyen

- 3:00 p.m. ***Molecular Evidence of Heartworm Larvae in Field Collected Aedes Sierrensis in Eastern Madera County, California***  
Jessica S. Tyson, Paul R. Crosbie
- 3:15 p.m. ***Characterizing The Linker Region of DgcZ***  
Cameron Pospisil, Joel Curiel, Kenneth Cadiente, Jacob Gringold, Hwan Youn
- 3:30 p.m. ***Thiol-Dependent Detoxification of Aldehydes and Nitric Oxide in Mycobacterium Smegmatis***  
Derek Vargas, Mamta Rawat
- 3:45 p.m. ***Elucidating The Synthesis of Methyl Farnesoate in The Tissues of The Tadpole Shrimp, Triops Longicaudatus***  
Alan Terusaki, Brian Tsukimura
- R**  
**Dr.** 5:00 p.m. **Concluding Address – Alice Peters Auditorium, Room 191**  
**Thomas Holyoke**  
"Eureka Moments"  
Department of Political Science, California State University, Fresno

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

Concurrent Session K

University Business Center  
Room 192

- 3:00 p.m.     ***Cardiopulmonary Arrest in Pregnancy: Who Will Die? A Case Series***  
Theresa L. Gipps, Pamela L. Emeney, Alfred G. Peters, Conrad R. Chao
- 3:15 p.m.     ***Emergent Cerclage: Mcdonald is Superior To Wurm-Hefner Procedure***  
Jolyn Chen, Michael O'Shaughnessy, Alfred Peters, Conrad Chao
- 3:30 p.m.     ***Predictors of Poor Birth Outcomes Among Hmong Women in California's Central Valley***  
Kao Tang Ying Moua, Cynthia Cortez, Fenglaly Lee, Alfred G. Peters Jr., Conrad Chao
- 3:45 p.m.     ***Parental Satisfaction Over Time When Children are Not Given Antibiotics for Upper Respiratory Infections***  
Alex Moir, Dee White, Susan Hughes
- 4:00 p.m.     ***The Effects Of Reciting The Lord's Prayer and Resisting The Urges To Commit Suicide In Patients with Posttraumatic Stress Disorder (PTSD)***  
Hani Raoul Khouzam

**5:00 p.m.     Concluding Address – Alice Peters Auditorium, Room 191**  
**Dr.             Thomas Holyoke**  
"Eureka Moments"  
Department of Political Science, California State University,  
Fresno

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

Concurrent Session L

University Business Center  
Room 194

- 3:00 p.m.     ***"French Cafés and Its Present Perception"***  
Chiara Nardocci, Kao-Ly Yang
- 3:15 p.m.     ***A Taste Of French Culture: The Patience to Their Cuisine***  
Ricardo Vargas, Kao-Ly Yang
- 3:30 p.m.     ***The Impact of Ambivalent Sexism on Individual Perceptions and Career Expectations***  
Ivy Rivera, Jill Bradley-Geist, Susan Geringer
- 3:45 p.m.     ***University On-Campus Textbook Stores: "Convenience or CON-Venience?"***  
Jonathan Salcedo, Brenda Garcia, David Vera
- 4:00 p.m.     ***From Futility to Hope: The Byronic Hero from Childe Harold to Rochester***  
Samantha Crain, Paul Douglass

**5:00 p.m.     Concluding Address – Alice Peters Auditorium,**  
**R                     oom 191**  
**Dr.             Thomas Holyoke**  
"Eureka Moments"  
Department of Political Science, California State  
University, Fresno

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