

Group 1:

Welcome & Orientation: Colusa 100A at 5:00 pm

Behavioral and Social Sciences

Presentations: 5:30 pm in Colusa 100A

Presenter: **Autumn Brock**, Social Work, Graduate
Paper Title: The Correlation between Disproportionality and the Academic Success of Former Foster Youth
Faculty Mentor: Celeste Jones

Presenter: **Kyle Palazzolo**, Anthropology, Graduate
Paper Title: When Mortars Speak Volumes: Assessing the Influence of Mortar Cavity Size on Processing Efficiency
Faculty Mentor: Carly Whelan

Presenter: **Argelia Ramirez**, Public Administration, Graduate
Paper Title: Zero-Waste School Lunch Program
Faculty Mentor: Andrew Potter

Presenter: **Cory Tondreau**, Psychology, Graduate
Paper Title: Political Ideology as a Responsible Agent of Choice in Risky-Choice Frames
Faculty Mentor: Neil Schwartz

Presenter: **Gustavo Martir Luna**, Psychology, Graduate
Paper Title: The Cognitive Routes of Morally Framed Pro-environmental Messaging
Faculty Mentor: Neil Schwartz

Presenter: **Meagan Fischer**, Social Science, Graduate
Paper Title: Talking Past One Another: Political Communication Processes in the City of Chico, CA
Faculty Mentor: William Nitzky

Presenter: **Julie Hunter**, Psychology, Graduate
Paper Title: Camp Fire Resiliency Study
Faculty Mentor: Matthew Withers

Judges: **Matt O'Brien**
Susan Roll
Matt Thomas

Group 2:

Welcome & Orientation: Colusa 100A at 5:00 pm

Behavioral and Social Sciences

Presentations: 5:30 pm in Colusa 114

Presenter: **Erin Campbell**, Psychology, Undergraduate
Paper Title: Personality and Instagram Content: An Exploratory Investigation
Faculty Mentor: Marie Lippmann

Presenter: **Alisandra Macias**, Psychology, Undergraduate
Paper Title: Perceived Parental Influences on Eating Disorders and Body Dissatisfaction
Faculty Mentor: Matthew Withers

Presenter: **Jackson Park**, Psychology, Undergraduate
Paper Title: Interactive Effects of Parental Figure and/or Caregiver Alcohol Use and Parenting Style on College Students' Alcohol Consumption: A Behavioral Economic Analysis
Faculty Mentor: Patrick Johnson

Presenter: **Arely Saldana**, Psychology, Undergraduate
Paper Title: Pre-Trial Media and Passive Voice: Effects of Mock Jury Decision Making
Faculty Mentor: Linda Kline

Presenter: **Jordan Stifle**, Psychology, Undergraduate
Paper Title: The Efficacy of a Single Mindfulness Meditation Session on Reducing the Psychological Symptoms of Test Anxiety among University Students
Faculty Mentor: Marie Lippmann

Judges: **Patrick Johnson**
Nan Li
Gwenola Ricordeau

Group 3:

Welcome & Orientation: Colusa 100A at 5:00 pm

Behavioral and Social Sciences

Presentations: 5:30 pm in Colusa 111

Presenter: **Reilly Lombardi-Hackett**, Economics, Undergraduate
Paper Title: Effect of Wildfire on Employment Outcomes across Sectors in California
Faculty Mentor: Anita Chaudhry

Presenter: **Caitlyn Patterson**, Social Work, Undergraduate
Paper Title: Increasing Interest in Working with Older Adults
Faculty Mentor: Susan Roll

Presenter: **Jessica Ramirez**, Sociology, Undergraduate
Paper Title: Food for Thought: Our Students are Going Hungry
Faculty Mentor: Marianne Paiva

Presenter: **Nicholas Shi**, Economics, Undergraduate
Paper Title: Driving Under the Influence: The Relationship between Marijuana Legalization and Traffic Fatalities
Faculty Mentor: Anita Chaudhry

Presenter: **David Sweeten**, Economics, Undergraduate
Paper Title: Fertility in the United States
Faculty Mentor: Anita Chaudhry

Presenter: **Marissa Thomas**, Economics, Undergraduate
Paper Title: A Measurement of Scarcity Premia
Faculty Mentor: Jacob Jennings

Judges:
Greg Madonia
Jacob Jennings
Synthia Shin
Heather Werner

Group 4:

Welcome & Orientation: Colusa 100A at 5:00 pm
Health, Nutrition, and Clinical Sciences; Biological and Environmental Sciences
Presentations: 5:30 pm in Colusa 112

Presenter: **Andru Cardenas**, Kinesiology, Graduate
Paper Title: The Effects of a Strict Ketogenic Diet on Performance in Powerlifting and Olympic Weightlifting Athletes
Faculty Mentor: Feng He

Presenter: **Jacob Ewald**, Biological Sciences, Graduate
Paper Title: Species Boundaries in Two Northern California Monkeyflowers
Faculty Mentor: Christopher Ivy

Presenter: **Parker Knight**, Kinesiology, Graduate
Paper Title: Effects of Pre-exercise Body Heating/Cooling on Cardiometabolic Response during Submaximal Exercise
Faculty Mentor: Feng He

Presenter: **John Machado**, Environmental Sciences, Graduate
Paper Title: Analysis of Environmental Heavy Metal Contamination Following the Camp Fire
Faculty Mentor: Sandrine Matiasek

Presenter: **James Perneti**, Kinesiology, Graduate
Paper Title: The Effect of Preheating on Isometric Exercise Performance
Faculty Mentor: Feng He

Presenter: **Maya Trajkovski**, Kinesiology, Graduate
Paper Title: Examining the Effects of a Combined Mindfulness-Imagery Intervention in Collegiate Soccer Performance
Faculty Mentor: Aubrey Newland

Judges: **ChengTu Hsieh**
Aubrey Newland
Zanja Yudell

Group 5:

Welcome & Orientation: Colusa 100A at 5:00 pm
Humanities and Letters; Interdisciplinary
Presentations: 5:30 pm in Colusa 110

Presenter: **Alondra Adame**, English, Graduate
Paper Title: Defining the Personal Essay: Attempts to "Surround a Something"
Faculty Mentor: Robert Davidson

Presenter: **Fiona Chin**, Art History, Graduate
Paper Title: Prim, Proper, and Powerful: Madame de Pompadour's Success
Faculty Mentor: Kate Transchel

Presenter: **Maria Kogler**, History, Graduate
Paper Title: Evo Morale's Indigeneity: Personal Creed or Political Construct?
Faculty Mentor: Stephen Lewis

Presenter: **Dana Moot II**, Art History, Graduate
Paper Title: A Night at the Mayan: Documenting and Analyzing the Inspirations Behind the Design of a Historical Landmark in Los Angeles
Faculty Mentor: Matthew Looper

Presenter: **Juan Vega**, History, Graduate
Paper Title: This Happened in a Matter of a Single Generation: From Farmer to Retired Capitalist, the Life of Charles H. Lindsey 1841-1923
Faculty Mentor: Michael Magliari

Presenter: **Marialana Vieira**, Communication Studies, Graduate
Paper Title: The Book of Mormon as a Rhetorical Artifact
Faculty Mentor: Zach Justus

Presenter: **Robb Lightfoot**, Recreation, Hospitality, and Parks Management, Graduate
Paper Title: Creating a Community - The San Francisco Writers Conference: A Grounded Theory Study
Faculty Mentor: Laura McLachlin and Emilyn Sheffield

Judges:
Katia Samoilova
Maris Thompson
Arash Negahban

Group 6:

Welcome & Orientation: Colusa 100A at 5:00 pm

Biological Sciences

Presentations: 5:30 pm in Colusa 100B

Presenter: **Berenice Arguello**, Biological Sciences, Undergraduate
Paper Title: Expression of Candidate Idiopathic Scoliosis Genes in Embryonic Stages of Medaka Fish
Faculty Mentor: Kristen Gorman

Presenter: **Kallie Griffin**, Biological Sciences, Undergraduate
Paper Title: Novel Antagonist of Growth Receptor-Bound Protein-2 (GRB2) Inhibits Proliferation of Chronic Myeloid Leukemia (CML) Cells
Faculty Mentor: David Stachura

Presenter: **Leandra Boodoo**, Biological Sciences, Graduate
Paper Title: Bat Presence and Foraging Patterns over California Vernal Pools: The Pilot
Faculty Mentor: Don Miller

Presenter: **Drew Gilberti**, Biological Sciences, Graduate
Paper Title: Gall Size, Parasitoid Phenology, and Ant Mutualism May Explain Parasitoid Success in the Galling Wasp *Disholcaspis eldoradensis*
Faculty Mentor: Christopher Ivy

Presenter: **Jaime Lopez**, Biological Sciences, Graduate
Paper Title: Investigating the Role of Nitrogen Fixation in the Sea Anemone, *Exaiptasia padilla*
Faculty Mentor: Cawa Tran

Presenter: **Stephanie Parker**, Biological Sciences, Graduate
Paper Title: Rudimentary Social Behavior and Spatial Distribution of Exuviae of the Gall-Inducing Aphid, *Tamalia coweni*
Faculty Mentor: Don Miller

Presenter: **Constantin Raether**, Biological Sciences, Graduate
Paper Title: Defense Against Herbivory by Galling Cynipidae Wasps in Valley Oak (*Quercus lobata*): Testing the Plant Vigor Hypothesis (PVH) and the Phenological Synchrony Hypothesis (PSH) in a Large
Faculty Mentor: Christopher Ivy

Judges: **Jonathan Day**
Ashley Kendell

Group 7:

Welcome & Orientation: Colusa 100A at 5:00 pm

Biological and Nutritional Sciences

Presentations: 5:30 pm in Colusa 116

Presenter: **Stephanye Frias**, Biological Sciences, Graduate
Paper Title: Investigating the Effect of microRNA-375 on Pancreatic Beta-Cell Mass, Proliferation, and Insulin Secretion
Faculty Mentor: David Keller

Presenter: **Sandra Martell**, Biological Sciences, Graduate
Paper Title: Untwisting *Leptothrix cholodnii's* Sheath Structure
Faculty Mentor: Emily Fleming

Presenter: **Courtney Merrick**, Nutritional Science, Graduate
Paper Title: In Vitro Investigation of Sulforaphane Effect on Invasiveness of Triple Negative Breast Cancer Cells
Faculty Mentor: Lauren Housley

Presenter: **Cody Mocko**, Biological Sciences, Graduate
Paper Title: Investigation into Biomechanical Genes Associated with Heritable Idiopathic Spinal Curvature
Faculty Mentor: Kristen Gorman

Presenter: **Isis Garcia Perez**, Biological Sciences, Graduate
Paper Title: MicroRNA-375 and ICER: A Possible Primate-Specific Interaction in Pancreatic Beta Cells
Faculty Mentor: David Keller

Judges: **Eric Bartelink**
Kristen Gorman

Group 8:

Welcome & Orientation: Colusa 100A at 5:00 pm

Physical and Mathematical Sciences; Biological and Agricultural Sciences; Engineering

Presentations: 5:30 pm in Colusa 115

Presenter: **Allen Benavidez**, Biochemistry, Undergraduate

Paper Title: The Necessity of the *ka1b* Gene in the Development of Myeloid Thrombocyte and Erythrocyte Formation

Faculty Mentor: David Stachura

Presenter: **James Calvo**, Chemistry, Undergraduate

Paper Title: Nanomaterials for Water Remediation

Faculty Mentor: Monica So

Presenter: **Kelley Duggan**, Animal Science, Undergraduate

Paper Title: Effect of Pulmonary Arterial Pressure on Reproductive Performance in Angus Heifers Located in South Central Wyoming

Faculty Mentor: Kasey DeAtley

Presenter: **Michelle Gomez** and **Greg Gutierrez**, Mechanical Engineering, Undergraduate

Paper Title: Multiscale Simulations of DNA Nanostructures

Faculty Mentor: Nathan Anderson

Presenter: **Claire Monahan**, Environmental Sciences, Undergraduate

Paper Title: Post-Fire Regeneration of Common California Foothill Woody Plants

Faculty Mentor: Kristen Kaczynski

Presenter: **Tanner Olsen**, Concrete Industry Management, Undergraduate

Paper Title: Agricultural Waste as Supplementary Cementitious Material

Faculty Mentor: Feraidon Ataie

Judges: **Zahrasadat Alavi**

Kevin Buffardi

Meghdad Hajimorad