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 Pernetti, 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
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**

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<thead>
<tr>
<th>Presenter:</th>
<th>Biological Sciences, Undergraduate</th>
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<tbody>
<tr>
<td>Paper Title:</td>
<td>Expression of Candidate Idiopathic Scoliosis Genes in Embryonic Stages of Medaka Fish</td>
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<tr>
<td>Faculty Mentor:</td>
<td>Kristen Gorman</td>
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<td>Paper Title:</td>
<td>Novel Antagonist of Growth Receptor-Bound Protein-2 (GRB2) Inhibits Proliferation of Chronic Myeloid Leukemia (CML) Cells</td>
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<tr>
<td>Faculty Mentor:</td>
<td>David Stachura</td>
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<td>Paper Title:</td>
<td>Bat Presence and Foraging Patterns over California Vernal Pools: The Pilot</td>
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<td>Faculty Mentor:</td>
<td>Don Miller</td>
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<td>Paper Title:</td>
<td>Gall Size, Parasitoid Phenology, and Ant Mutualism May Explain Parasitoid Success in the Galling Wasp <em>Disholcaspsis el doradensis</em></td>
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<td>Christopher Ivy</td>
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<td>Investigating the Role of Nitrogen Fixation in the Sea Anemone, <em>Exaiptasia padilla</em></td>
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<td>Cawa Tran</td>
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<td>Rudimentary Social Behavior and Spatial Distribution of Exuviae of the Gall-Inducing Aphid, <em>Tamalia coweni</em></td>
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<td>Paper Title:</td>
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**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 Sulfuraphane 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