Group 1: Ag, Engineering, Computer Science, Construction Management (UG)
Welcome & Orientation: Colusa 100A at 5:00 pm
Presentations: 5:30 pm in Colusa 100A

Presenter: Xavier Andrade Rubio, Brandon Javier Briseno, Ariana Deanda, Evan Goodson, Luca Puillo; Mechanical Engineering, Undergraduate
Paper Title: Biophysical Treatment of Rice Seeds for Enhancing Germination Rates and Early Plant Growth
Faculty Mentor: Dennis O'Connor

Presenter: Eliana Aguilar, Concrete Industry Management, Undergraduate
Paper Title: Effect of Biomass Ash and Cementitious Materials on Air Content in Concrete
Faculty Mentor: Mohammed Albahtiti

Presenter: Alexander Corley, Computer Science, Undergraduate
Paper Title: Real-Time Auto-Tuning
Faculty Mentor: Patrick Donnelly

Presenter: Kelley Duggan, Animal Science, Undergraduate
Paper Title: Mineral Concentration of Multiparous Bos Taurus-Influenced Beef Cows Grazing Native Annual-Grass Rangeland in Northern California
Faculty Mentor: Kasey DeAtley

Presenter: Lindsey Haugh, Concrete Industry Management, Undergraduate
Paper Title: Utilizing Rice Straw Ash in Alkali Activated Systems
Faculty Mentor: Feraidon Ataie

Presenter: Kyle Hammer, General Mathematics, Undergraduate
Paper Title: L-Functions of Graphs
Faculty Mentor: Thomas Mattman

Presenter: Alexis Hernandez, Jorge Luis Calderon Montoya; Mechanical Engineering, Undergraduate
Paper Title: Nano-Construction of DNA Origami Structure Models
Faculty Mentor: Nathan Anderson

Judges: Zarahsadat Alavi
        Kevin Buffardi
        David Stachura
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<tr>
<th>Presenter:</th>
<th>Hannah Weinberger, Environmental Science, Graduate</th>
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<tr>
<td>Paper Title:</td>
<td>Plant Recovery Trajectory After Fire in the Southwestern Cascade Foothills</td>
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<td>Faculty Mentor:</td>
<td>Kristen Kaczynski</td>
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<td>Presenter:</td>
<td>Harpreet Batther, Geosciences, Graduate</td>
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<tr>
<td>Paper Title:</td>
<td>A Hydrocarbon Seep Model of Large Bedded Barie Deposits in the Devonian Salven Chert of Central-North Nevada</td>
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<td>Faculty Mentor:</td>
<td>Russell Shapiro</td>
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<td>Presenter:</td>
<td>Alexis R. Lopez, Geosciences: Economic Geology, Graduate</td>
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<tr>
<td>Paper Title:</td>
<td>Paragenesis of the Moonlight (IOCG) deposit, Plumas County Copper Belt, CA</td>
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<td>Faculty Mentor:</td>
<td>Hannah M. Aird</td>
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<td>Presenter:</td>
<td>Stephanie Aguiar, Biological Sciences, Graduate</td>
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<td>Paper Title:</td>
<td>Novel Antagonists of the SH2 Domain of GRB2 Decrease Chronic Myeloid Leukemia (CML) Proliferation via the JAK/STAT Pathway</td>
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<td>Faculty Mentor:</td>
<td>David Stachura</td>
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<td>Presenter:</td>
<td>Katherine Jensen, Nutrition Science, Graduate</td>
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<tr>
<td>Paper Title:</td>
<td>The Effects of Sulforaphane on Invasion Capacity of Triple Negative Breast Cancer Cells Exposed to Tumor Associated Macrophages</td>
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<td>Faculty Mentor:</td>
<td>Lauren Housley</td>
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<td>Presenter:</td>
<td>Payton Laurie, Cell and Molecular Biology, Graduate</td>
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<tr>
<td>Paper Title:</td>
<td>cc144: A Necessary Gene for Hematopoietic Stem Cell Proliferation</td>
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<tr>
<td>Faculty Mentor:</td>
<td>David Stachura</td>
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<tr>
<td>Presenter:</td>
<td>Ryan Nielsen, Cell and Molecular Biology, Graduate</td>
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<tr>
<td>Paper Title:</td>
<td>Investigation into the cAMP-Dependent Regulation of miR-375 by ICER</td>
</tr>
<tr>
<td>Faculty Mentor:</td>
<td>David Keller</td>
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**Judges:**
Jonathan Day  
Kristen Gorman  
John Mahoney
Presenter: Edward Berdan, Political Science, Graduate  
Paper Title: Challenging the Monolithic Paradigm: Education, Partisan Affiliation, and the Asian American Community  
Faculty Mentor: Lori Weber

Presenter: AnnaMaria Boullion, Psychological Sciences, Graduate  
Paper Title: Mindsets: Investigating Resilience  
Faculty Mentor: Matthew Withers

Presenter: Andrew Peter Ithurburn, Psychological Science, Graduate  
Paper Title: The Effects of Episodic Future Thinking on Sexual Decision-Making  
Faculty Mentor: Patrick Johnson

Presenter: Noel Jones, Anthropology, Graduate  
Paper Title: Land Use Patterns of the Bare Allotment  
Faculty Mentor: Matthew O'Brien

Presenter: Joshua D. Nowakowski, Anthropology, Graduate  
Paper Title: Reeling in the Data: An Analysis of Net Sinker  
Faculty Mentor: Matthew O'Brien

Presenter: Mallory Peters, Anthropology, Graduate  
Paper Title: Taphonomy and Bone Mineral Density in a Historic Pauper Cemetery  
Faculty Mentor: Colleen Milligan

Presenter: Jessica Candela, Public Administration, Graduate  
Paper Title: A Feasibility Study of Healthy Parks Healthy People: Butte-Glenn  
Faculty Mentor: Andrew Potter

Judges: Hannah Aird  
Susan Roll
Group 4: Interdisciplinary Humanities & Social Science (Grad)

Welcome & Orientation: Colusa 100A at 5:00 pm
Presentations: 5:30 pm in Colusa 115

Presenter: Karen M. Friese, Social Work, Graduate
Paper Title: A Study on How Law Enforcement Work Impacts the Officers' Spouse
Faculty Mentor: Susan Roll

Presenter: Gardenia Juarez, Kinesiology, Graduate
Paper Title: The Experience of Older Adults with Physical Disabilities in a Physical Activity University Service-Learning Program
Faculty Mentor: Josie Blagrave

Presenter: Tirumular Narayanan, Art History, Graduate
Paper Title: Al-Mansur's Defecation at Santiago de Compostella: An Examination of Medieval Excrement Polemics and "White Saracen" Conversion
Faculty Mentor: Asa Mittman

Presenter: Emily Treat, Psychological Science, Graduate
Paper Title: Service-Learning in Higher Education: Student Outcomes of a Canine Training Program
Faculty Mentor: Linda Kline

Presenter: Kristin Vierra, Psychological Science, Graduate
Paper Title: The Effects of a Feminist Pedagogical Activity on the Feminist Identity Development of Girls Age 8 to 12
Faculty Mentor: Linda Kline

Presenter: Mariah Willis, Psychological Science, Graduate
Paper Title: Smartphone Overuse and Impulsive Decision-Making
Faculty Mentor: Patrick Johnson

Presenter: Fiona Chin, Art History, Graduate
Paper Title: Neo-Rococo: Same Decadence, New Ideology
Faculty Mentor: Rachel Middleman

Judges: Matthew O'Brien
Gwenola Ricordeau
Matt Thomas
Group 5: Interdisciplinary Humanities & Social Science (UG/GRAD)
Welcome & Orientation: Colusa 100A at 5:00 pm
Presentations: 5:30 pm in Colusa 111

Presenter: Adrianna Durrell, Child Development/Psychology, Undergraduate
Paper Title: What Happens to Boys? A Latent Profile Investigation on Puberty, Socioemotional Health, and Eating Attitudes in Adolescent Males
Faculty Mentor: Shelley Hart

Presenter: Alaina Castor, Psychology, Undergraduate
Paper Title: The Effects of Ability Grouping on Teachers' Perceptions of Student Intelligence
Faculty Mentor: Marie Lippmann, Martin van den Berg

Presenter: Andrew Zelny, Philosophy, Undergraduate
Paper Title: Al Moral Expertise: When Machines Know Best
Faculty Mentor: Eric Gampel

Presenter: Dana Moot, Art History, Graduate
Paper Title: Maya Hieroglyphic Database
Faculty Mentor: Matthew Looper

Presenter: Alison Saechao, History, Graduate
Paper Title: Iu Mien Refugees and Resettlement in Northern California, 1975-1999
Faculty Mentor: Robert Tinkler

Presenter: Ashlyn Weaver, Anthropology, Graduate
Paper Title: The Hawaiians of Chico, CA
Faculty Mentor: William Nitzky

Presenter: Cory Tondreau, Psychological Science, Graduate
Paper Title: Money or Immigrants: the Effects of Political Ideology and Framing on Attitudes and Choice
Faculty Mentor: Neil Schwartz

Judges: ChengTu Hsieh
        Nan Li
        Katia Samoilova
Group 6: Interdisciplinary Social Science/Nutrition & Food Science (Grad)
Welcome & Orientation: Colusa 100A at 5:00 pm
Presentations: 5:30 pm in Colusa 110

Presenter: **Julie Hunter**, Psychology/MFT, Graduate
Paper Title: What's Right with You? Trauma and Resilience
Faculty Mentor: Matthew Withers

Presenter: **Kathleen Johnson**, Nutrition & Food Science, Graduate
Paper Title: Effect of a Lesson Delivered to Nutrition College Students RE: Nutrition Status & Barriers of Individuals Suffering from Drug/Alcohol Addiction
Faculty Mentor: Joan Giampaoli

Presenter: **Zhanna Kusmanova**, Applied Psychology/School Psychology, Graduate
Paper Title: The Larry P. Ruling and its Impact on School Psychology Practice: An Analysis of Assessment Models and Specific Learning Disability Determinations
Faculty Mentor: Leesa Huan

Presenter: **Jennifer Lee**, Business Administration, Graduate
Paper Title: Are Students in Higher Education Customers or Not? Or Neither?: Changing the Conversation
Faculty Mentor: Synthia Sohyoun Shin

Presenter: **Gustavo Martir**, Psychology, Graduate
Paper Title: Fake News: The Influence of Morally-Framed Messaging and Perceived Source Credibility on Environmental Attitudes
Faculty Mentor: Neil Schwartz

Presenter: **Lindsay Marie Banks Matthews**, Psychology, Graduate
Paper Title: Examining How the Environment and Trauma Contribute to Mental Health in Homeless Populations
Faculty Mentor: Mariah Kornbluh

Presenter: **Robin Withrow-Wong**, Nutritional Science, Graduate
Paper Title: Factors Related to Perceived Nutrition and Perceived Health Among Fijian Women
Faculty Mentor: Keiko Goto

Judges: Janell Bauer
Yinfei Chen
Greg Madonia
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<td>Shawn Cardin, Economics, UG</td>
<td>Financing Local Public Goods in California</td>
<td>Anita Chaudhry</td>
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<td>Natalie Lowden, Social Work</td>
<td>A Study of Empathy and Narrative: Homelessness in Chico, Califormia</td>
<td>Susan Roll</td>
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<td>Drew Sisneroz, Economics, UG</td>
<td>Impact of Environmental Cleanup on Property Values and Demographics</td>
<td>Anita Chaudhry</td>
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<td>Silas Zelny, Psychology, UG</td>
<td>The Role of Social and Familial Closeness on Reducing Transphobia</td>
<td>Dory Schachne</td>
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<td>Paul Smith, Accounting, UG</td>
<td>The Cost of Producing Electricity: A Comparison of Alternative Sources of Energy</td>
<td>Arash Negahban</td>
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<tr>
<td>Ana Bernardino, Lauren Kohler, Alisandra Macias, Gustavo Moreira, Amber Rubalcava; Psychology, UG</td>
<td>A Community Research-Based Approach to Designing Simplicity Village, a Tiny Home Community in Chico, California</td>
<td>Mariah Kornbluh</td>
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**Judges:**

Darin Haerle  
Aubrey Newland