

10-MINUTE COMPETITION

SESSION 1 | BMU 312

Behavioral and Social Sciences | Health Nutrition and Clinical Sciences

Presenter: **Divya Bodapati**, Nutritional Sciences, Graduate
Paper Title: *Grocery Shopping Habits and Culture (Traditional Food Attitudes/Preferences) Among College Students*
Faculty Mentor: Keiko Goto

Presenter: **Mickenzie Balistreri**, Communication Studies, Graduate
Paper Title: *Taboo Sensemaking Surrounding Women's Reproductive Health*
Faculty Mentor: Stephanie Hamel

Presenter: **Emily Mansilla**, Psychological Science, Graduate
Paper Title: *Impulsivity and Risk-Taking in Generalized Anxiety Disorder*
Faculty Mentor: Patrick Johnson

Presenter: **Jennifer Miller-James**, Social Work, Graduate
Paper Title: *Social Factors that Affect the Lived Experience of Birthing People*
Faculty Mentor: Sue Steiner

Presenter: **Christopher Robinson**, Social Work, Graduate
Paper Title: *Child Welfare Social Worker Retention: The Relationship of Secondary Trauma and Pandemic Stressors*
Faculty Mentor: Judy Vang

Presenter: **Angela Adade**, Nutritional Science, Graduate
Paper Title: *Grocery Shopping and Stress Among College Students at CSU, Chico*
Faculty Mentor: Lauren McNamara

Judges:
Matt O'Brien, Anthropology
Matt Thomas, Political Science
Lori Weber, Political Science

10-MINUTE COMPETITION
SESSION 2 | BMU 314

Behavioral and Social Sciences | Biological and Agricultural Sciences | Interdisciplinary

Presenter: **Molly Tuttle**, Biology, Graduate
Paper Title: *Flattening the Curve: A Covid-19 Wastewater Story*
Faculty Mentor: Troy Cline

Presenter: **Gelsey Aldana**, Psychological Science, Graduate
Paper Title: *Social Isolation Impacts Depression, Anxiety, and Drug Vulnerability in Adolescent Mice*
Faculty Mentor: Shawn Bates

Presenter: **Daniel Papasergia**, Psychological Science, Graduate
Paper Title: *Examining the Consequences of Adolescent Benzodiazepine Exposure*
Faculty Mentor: Shawn Bates

Presenter: **Cody Upton**, Biological Sciences, Graduate
Paper Title: *An Investigation into the Role of Mitoregulin in Pancreatic Beta-Cell Lipid Metabolism*
Faculty Mentor: David Keller

Presenter: **Parnaz Rezaie Boroon**, Psychological Science, Graduate
Paper Title: *Effects of Binge Eating on Female Adolescent Mice*
Faculty Mentor: Shawn Bates

Presenter: **Sophia Thao**, Biological Sciences, Graduate
Paper Title: *Investigating Colocalization of Fluorescent Histones and Mitochondria in Arabidopsis Thaliana*
Faculty Mentor: Kris Blee

Judges: **Kristen Gorman**, Biology
Kristen Kaczynski, Earth Science
Bo Yeong Won, Psychology

10-MINUTE COMPETITION
SESSION 3 | BMU 303

Behavioral and Social Sciences | Education | Engineering and Computer Science
Humanities and Letters | Interdisciplinary

Presenter: **Bruce Avila**, Nutrition Education, Graduate
Paper Title: *Alcoholics Anonymous and Nutrition: An Exploration of Alcoholics in Recovery*
Faculty Mentor: Keiko Goto

Presenter: **Riley Rosenberg**, History, Graduate
Paper Title: *Tammany Hall: From Fraternal Order to Political Machine*
Faculty Mentor: Robert Tinkler

Presenter: **Leticia Mejia**, Social Work, Graduate
Paper Title: *How Are Children of Mexican Immigrants Building Resiliency in Pursuit of a Four-year College Degree*
Faculty Mentor: Judy Vang

Presenter: **Adriana Gomes, Amber Wyatt**, Communication Sciences and Disorders, Graduate
Paper Title: *Effectiveness of Cycles Goal Attack Strategy on Early Reading and Spelling Skills of a Beginning Reader*
Faculty Mentor: Susan Steffani

Presenter: **Raquel Krach**, IDST Regenerative Agriculture, Graduate
Paper Title: *Impact of Compost and Multispecies Cover Crop on Almond Production and Soil Health*
Faculty Mentor: Cynthia Daley

Presenter: **Dylan Sanders**, MBA Project Management, Graduate
Paper Title: *Rice Straw Composite Filament*
Faculty Mentor: Nathan Anderson

Judges: **JoAna Brooks**, Graduate Studies
Ryan Perkins, Kinesiology
Maris Thompson, Education

10-MINUTE COMPETITION
SESSION 4 | BMU 301

Biological and Agricultural Sciences | Engineering and Computer Science
Physical and Mathematical Sciences

Presenter: **Emiliano Rodriguez, Heather Rodriguez Ortiz, Azael Terres**
Civil Engineering, Undergraduate
Paper Title: *Losing Big Chico Creek*
Faculty Mentor: Steffen Mehl

Presenter: **Ashley Brown**, Natural Sciences, Undergraduate
Paper Title: *Exploring the Effects of Proprioception on Idiopathic Scoliosis*
Faculty Mentor: Kristen Gorman

Presenter: **Paul Maready**, Mechanical Engineering, Undergraduate
Paper Title: *Recycled PLA*
Faculty Mentor: Cory Cole

Presenter: **Stephanie Duarte-Amezcu**a, Biology, Undergraduate
Paper Title: *Evidence That the Brain Is Involved in Idiopathic Scoliosis*
Faculty Mentor: Kristen Gorman

Presenter: **Julia Penick**, Chemistry, Undergraduate
Paper Title: *Semi-Transparent Agrivoltaics for Sustainable Energy and Food Production*
Faculty Mentor: Monica So

Presenter: **Preston Lawson**, Chemistry, Undergraduate
Paper Title: *Solution Processed Electrodes in Perovskite Solar Cells*
Faculty Mentor: Monica So

Presenter: **Levi Medina**, Microbiology, Undergraduate
Paper Title: *In-vivo Analysis of Bone Regeneration in Scoliosis Versus Normal Fish*
Faculty Mentor: Kristen Gorman

Judges: **Andre D'Lugos**, Kinesiology
Russell Shapiro, Earth Science
Greg White, Archaeology

10-MINUTE COMPETITION
SESSION 5 | BMU 304

Behavioral and Social Sciences | Engineering and Computer Science
Humanities and Letters | Physical and Mathematical Sciences

Presenter: **Victoria Villasenor**, History and Multicultural & Gender Studies, Undergraduate
Paper Title: *U.S.-Cuban Relations: Castro, Kennedy, and the Missile Crisis*
Faculty Mentor: Jeffery Livingston

Presenter: **Brieana Evans**, Psychology, Undergraduate
Paper Title: *Hidden Bias: Instructor Job Satisfaction and SFOT Comments*
Faculty Mentor: Linda Kline

Presenter: **Sam Lloyd-Harry**, Mechanical Engineering, Undergraduate
Paper Title: *Effect of Temperature on the Mechanical Properties of Pegda-hydrogels at Various Concentrations*
Faculty Mentor: Ozgul Yasar

Presenter: **Pablo Curiel**, Applied Mathematics, Undergraduate
Paper Title: *A Comparative Analysis of Source Identification Algorithms*
Faculty Mentor: Richard Tillquist

Presenter: **Alex Richards**, Mathematics, Undergraduate
Paper Title: *Ihara Zeta Functions for Graphs of Rank Two*
Faculty Mentor: Thomas Mattman

Presenter: **Matthew Wagoner**, Geology, Undergraduate
Paper Title: *Two Different Magmas Forming the Bald Rock Pluton in Oroville, CA*
Faculty Mentor: Hannah Aird

Judges: **Corey Cole**, Mechanical & Mechatronic Engineering & Advanced Manufacturing
Brian Herring, Computer Science
Robert Tinkler, History

3-MINUTE MINI COMPETITION

BMU 309

***Behavioral and Social Sciences | Biological and Agricultural Sciences
Business Economics and Public Administration | Education
Engineering and Computer Science | Health Nutrition and Clinical Sciences
Humanities and Letters | Interdisciplinary | Physical and Mathematical Sciences***

Presenter: **Victoria Aguilar**, Communications, Undergraduate
Presentation Title: *Trust This Tonic: How Health Assessment Programs Impact Consumer Branding Response*
Faculty Mentor: Katie Mercurio

Presenter: **Renee Brown**, History, Undergraduate
Presentation Title: *Women's Critiques of 'The Cult of Domesticity in Gilded Age California*
Faculty Mentor: Alisa Wade

Presenter: **Karen Contreras**, Biochemistry, Undergraduate
Presentation Title: *Vertebrae Formation in Medaka fish with Idiopathic Scoliosis*
Faculty Mentor: Kristen Gorman

Presenter: **Maia Crummett**, Agriculture Business, Crops and Horticulture, Undergraduate
Presentation Title: *Biomass Production and Nitrogen Fixation of Cowpea and Sunn Hemp Summer Cover Crops in Northern Cal*
Faculty Mentor: Hossein Zakeri

Presenter: **Josephine Hernandez**, Animal Science, Undergraduate
Presentation Title: *The Effect of ComforT(R) Essential Oil Blend on Heat Stress in Crossbred Lambs in Northern CA*
Faculty Mentor: Celina Phillips

Presenter: **Sally Mead**, Nutrition Food Science, Undergraduate
Presentation Title: *Collaborative Online International Learning*
Faculty Mentor: Keiko Goto

Presenter: **Kiara Onuoha**, Biology, Undergraduate
Presentation Title: *The Involvement of Neural Crest Cells on Idiopathic Scoliosis*
Faculty Mentor: Kristen Gorman

Presenter: **Andrew Oort**, Exercise Physiology, Undergraduate
Presentation Title: *Constructing NIRS technology protocol for use in Exercise Physiology Research*
Faculty Mentor: Ryan Perkins

Presenter: **Angela Ostarello**, Communication Studies, Undergraduate
Presentation Title: *Rogan's Rhetoric: A Rhetorical Analysis of Episode #1757 of The Joe Rogan Experience*
Faculty Mentor: Zach Justus

Presenter: **Delaney Sarantopulos**, Animal Science, Undergraduate
Presentation Title: *Reducing Antibiotic Use Through Stewardship In California Sheep Production*
Faculty Mentor: Celina Phillips

Presenter: **Aubrey Teckam**, Plant Science, Crop Production and Horticulture, Undergraduate
Presentation Title: *Above- and Below-Ground Interactions of Fava Bean and Oat in Mixed Cover Cropping Systems*
Faculty Mentor: Hossein Zakeri

Presenter: **Jacob Tobias**, Communication Studies, Undergraduate
Presentation Title: *Trust in Hospitals: Medical Errors and Unrepresented Facts*
Faculty Mentor: Susan Avanzino

Presenter: **Leslie Vite**, Agriculture Science, Option in Education, Undergraduate
Presentation Title: *Understanding Latino/a/x Undergraduate Motivations to Pursuing an Agricultural Science Degree*
Faculty Mentor: Jessica Toombs

Presenter: **Dylan White**, Psychology, Criminal Justice, Undergraduate
Presentation Title: *Eating and Exercise Patterns Among Long Distance Runners*
Faculty Mentor: Andres Penagos

Presenter: **Shelby Bomke**, Biology, Graduate
Presentation Title: *The Effects of Static Compression on Scoliosis Osteoblasts*
Faculty Mentor: Kristen Gorman

Presenter: **Jessica Hiscock**, Political Science, Graduate
Presentation Title: *Erosion of Democratic Norms*
Faculty Mentor: Lori Weber

Presenter: **Recamier Jauregui-Ocampo**, Psychological Science, Graduate
Presentation Title: *Determining the Impact of Adolescent Stress on Opioid Use Vulnerability*
Faculty Mentor: Shawn Bates

Presenter: **Avery Lambrite**, Exercise Physiology, Graduate
Presentation Title: *Effects of Circulating Iron Stores on Whole Body and Muscle Metabolism During Aerobic Exercise*
Faculty Mentor: Ryan Perkins

Presenter: **Eden Pikowski**, Geosciences, Graduate
Presentation Title: *Paleoecology of Blue Ridge Cold Seeps*
Faculty Mentor: Russell Shapiro

Presenter: **Meghan Sleeper**, Biological Sciences, Graduate
Presentation Title: *Bioinformatic Analysis of DNA Methylation Patterns in Cancer: Applications in Cancer Detection*
Faculty Mentor: Gordon Wolfe

Presenter: **Rocci Vizzusi**, Psychological Science, Graduate
Presentation Title: *The Interplay Between Childhood Trauma, Dissociation, Identity, and Mental Health*
Faculty Mentor: Alexander Wong

Presenter: **Pa Yang**, Psychological Science, Graduate
Presentation Title: *Does Acculturation Matter for Well-being?*
Faculty Mentor: Martinus van den Berg

Presenter: **Rebecca Graham**, Kinesiology, Emphasis Exercise Physiology, Graduate
Presentation Title: *Effects of Collagen Supplementation on Skeletal Muscle Recovery Following Exercise*
Faculty Mentor: Andrew D'Lugos

Judges:
Kim Jaxson, English
Kate McCarthy, Undergrad Education
Michelle Mittman, CEMUR
Michelle Mussuto, Marian Library
Aubrey Newland, Kinesiology
Michael Pratt, Graduate Studies