Undergraduate Summer Research Program Conference

Thursday, August 8th, 2024

College of Education

9:30 AM - 3:30 PM

	9:00 AM - 9:25 AM	**CHECK-IN/REFRESHMENTS,** *College of Education Atrium*		
	9:30 AM - 9:45 AM	**WELCOME,** *College of Education RM 103*		
	10:00 AM - 11:55 AM	***Faculty Mentor***	***Presenters***	***Title***
SESSION 1	10:00 AM - 10:15 AM	Dr. Megan Carroll	Erick Herrera	*Analyzing the Western Perceptions of Shōjo Manga: The Representation of Sexual Relations Between Men (BL Parodiam)*
Location: CE 101	10:20 AM - 10:35 AM	Dr. Kate Simonian	Richelle Lind, Emma Avila and Leslie Sanchez	*Acceptance*
Theme: Gender & Identity	10:40 AM - 10:55 AM	Dr. Kate Simonian	Leslie Sanchez, Richelle Lind and Emma Avila	*Boy and Butcher Girl*
Moderator: Brittany Bloodhart	11:00 AM - 11:15 AM	Dr. Kate Simonian	Leslie Sanchez, Emma Avila and Richelle Lind	*Roadtripping*
	11:20 AM - 11:35 AM	Dr. David Marshall	Ash Goar	*From Dragons to Unicloons: The Fantasy Genre, Queer Theory, and Progressivism*
	11: 40 AM - 11:55 AM	Dr. Brittany Bloodhart	Rachel Kanter and Faustino De La Cruz	*Concerns About Sexual Harrassment Accusations in Academic Faculty*
SESSION 2	10:00 AM - 10:15 AM	Dr. Nancy Acevedo	Laura Mauerhoeat and Diana Ruiz	*Navigators of Critical Reform: Emotional Labor of California Community College Counseling Faculty Implementing AB 705*
Location: CE 106	10:20 AM - 10:35 AM	Dr. Alicia Gutierrez Ramirez	Carlos Camacho, Michael McCall and Michael Rubalcava	*In Defense of National Wellbeing: Public Health and the Racialization of Disease in the California Borderlands*
Theme: Social & Public Health Issues	10:40 AM - 10:55 AM	Dr. Ryan W. Keating	Michael Rubalcava	*Bound by Power, Perception, and Race: Slavery and Servitude in Early Virginia*
Moderator: Eric Vogelsang	11:00 AM - 11:15 AM	Dr. Eric Vogelsang	Gwenevere Zuniga and Mia Bradley	*Older Adult Social Participation, Gender, and Cognitive Decline*
	11:20 AM - 11:35 AM	Dr. Marc Fudge	Sunny Ramirez Pioneriel and Adriana Banda	*Equity at the Ballot Box*
	11: 40 AM - 11:55 AM	Dr. Dakota Perez-Torres	Victor Torres and Samantha Spencer	*Media-Based Coping for Latino Populations: Emotion and Effects on Well-being*
SESSION 3	10:00 AM - 10:15 AM	Dr. Heidy Contreras	Vera Dumaria, Eric Bredelle, Mark Adams, Daniel Malhuerta, Alondra Zangoya, Praise Ojukwa, and Marcos Ruiz	*Innovative Approaches to Urban Water Quality: Assessing Pollutants and Exploring Nature-Based Solutions in San Bernardino County*
Location: CE 110	10:20 AM - 10:35 AM	Dr. Becky Tatyn	Katherine Bartels, Emily Wooten, Rudrit Nandra, John Rendon, and Miracle Dean	*The Effects of Glyphosate-Based Herbicides on Drosophila melanogaster Activity and Genetically Diverse in Mortality and Reproduction among Wild Type Lines*
Theme: Environmental and Water Quality	10:40 AM - 10:55 AM	Dr. Elizabeth Castillo	Luis Limon, Joshua Bakare, Ritvik Sharma, and Elizabeth Castillo	*Mapping Community Resilience in San Bernardino*
Moderator: Ryan Keating	11:00 AM - 11:15 AM	Dr. Saad Kethireddy	Justin Cerbasoy and Tyler Travis	*Adventures of an Amodyaeans Amphibian: How Ozone And GIS Technology Can Measure Impacts To Drinking Water Quality And Local Waterbeds*
	11:20 AM - 11:35 AM	Dr. Saad Kethireddy	Lisette Espino, Johanna Quintanjen, Luis Dominguez, Estefany Bandera, Christin Gee, Hector Aguilar,	*Water Resources Quality Assessment for Nitrates Across Southern California: Evidence from Public and Private Sample Sources*
SESSION 4	10:00 AM - 10:15 AM	Dr. Xiaoxu Jiang	Harjot Gill, Yatchitacai(Brandon) Bonncherro and Krystal Delgado	*Combing PKSpiation and in-vpt GFP fluorescence to detect conformational motion of membrane transporters*
Location: CE 116	10:20 AM - 10:35 AM	Dr. Jeremy Mattan	Ricardo Iduardes and Evelyn Chaparro	*Incorporating a nucleophile intermeyate to expand structural diversity of an intermediate protease inhibitor scaffold*
Theme: Biomedical and Health Sciences	10:40 AM - 10:55 AM	Dr. Zhaoqing Chen	Isabella Padilla, Michael Sanchez and Tucker Sherman	*Effects of Binaural Beats Stimulation in Older Adults with Alzheimer's Disease*
Moderator: Xiaoxu Jiang	11:00 AM - 11:15 AM	Dr. Jason Ng	Angela Haven-Baranzino, Miracle Bucky, Daniela Ferreira, Theodore Lucey, Haydn Paulus, and Michael Rodriguez	*Effect of Daily Training on Hydration Status of Elite Marching Arts Performers: A Pilot Study*
	11:20 AM - 11:35 AM	Dr. Jason Ng	Haydn Paulus, Angela Haven Baranzino, Miracle Bucky, Daniella Ferreira, Ted Lucie, and Michael Rodriguez	*Relationship Among BMD, Body Surface Area, Fluid Intake, and Sweat Rate on Elite Marching Arts Performers: A Pilot Study*
	11: 40 AM - 11:55 AM	Dr. Hans Ridbraei	Julia Reece and Samuel Kennedy	*Prevalence of Depression and Related Factors at CSUSB*
	12:00 PM - 1:15 PM	**LUNCH,** *Gigante Commons*		
	1:30 PM - 3:30 PM	***Faculty Mentor***	***Presenters***	***Title***
SESSION 5	1:30 PM - 1:45 PM	Dr. Yan Zhang	Pedro Peña and David Vargas Mancey	*Predicting Long-Term Index Fund Trends with Deep Learning*
Location: CE 101	1:50 PM - 2:05 PM	Dr. Sutthakorn Rahsoongnern	Syed Moiz, Emma Wuyang, David Sosa, and Julian Vara	*Computing Equipment' Missing Values*
Theme: Technology and Data Analysis	2:10 PM - 2:25 PM	Dr. Rui Hu	Garrett Mack and Adam Dorotka	*Scalable Outlier/Novelty Detection Using Distance Projection And Clustering*
Moderator: Youngsim Kim	2:30 PM - 2:45 PM	Dr. Hans Ridbraei	Alexis Lugo	*An Introduction to Data Visualization*
	2:50 PM - 3:05 PM	Dr. Sutthakorn Rahsoongnern	Brisenda Cordero Garcia and Brisenda Sanchez Acosta	*Predicting Student Performance: A Comparative Analysis of Statistical Models*
	3:10 PM - 3:25 PM	Dr. Youngsim Kim	Fukuito Acipiti Gamage, Cynthia Hernandez, and Isabel Sosa	*Optically-detected magnetic resonance (ODMR) in solid state nanostructure for electron-spin-based quantum sensing*
	3:30 PM - 3:50 PM	Dr. Hans Ridbraei	Zara Sellengka, Carmine Cerda, and Morgan Wild	*Asthma Risk Factors for College Students in Southern California*
SESSION 6	1:30 PM - 1:45 PM	Dr. Dalton Maish	Malethier Gonzalez, Kyle Rietveld,, and Clara Villarreal	*How Mathematics Identity Changes Over Time for Male and Female Students*
Location: CE 106	1:50 PM - 2:05 PM	Dr. Sutthakorn Rahsoongnern	Andrew Hauck, Sarah Chuang, and Timothy Pinto	*Variance Change Points in Gaussian Model Using Modified Information Criterion*
Theme: Mathematics and Statistics	2:10 PM - 2:25 PM	Dr. Corey Dunn	Isabella Terrazas, Richard Rodriguez, and Anthony Wilson	*Studying Linear Dependence of Curvature Tensors*
Moderator: Kaly Wimberly	2:30 PM - 2:45 PM	Dr. Rolland Trapp	Angel Gutierrez, Sergio Herrera, and Leonardo Gutierrez	*Prime Chuckleaners of Fully Augmented Links up to Six Crossings*
	2:50 PM - 3:05 PM	Dr. Kaly Wimberly	David Aguilar, J. Daniel Gonzalez, and Jesse El Rosales	*Linking Velocities and Brightness in Variable Stars: Toward Measuring the Mass of the Milky Way*
	3:10 PM - 3:25 PM	Dr. Leslie Acevedo	Cierra Nenry, Diana Melendez, and Genesis Rodzio	*Characterizing circadian rhythm and sleep-wake patterns in pregnant and postpartum rats*
SESSION 7	1:30 PM - 1:45 PM	Dr. Teresia Tolar-Peterson	Shuvaiul Dewan (Millennia)	*Scaling Up Cassava Fish For Adoption in Rural Zambia*
Location: CE 110	1:50 PM - 2:05 PM	Dr. Warren Porters	Monica Cortes-Castillo, Dominick Cecir-Sherley, and Luis Valadez	*The Effects of Anticipation on Landing Error Scoring System Performance*
Theme: Interdisciplinary Research	2:10 PM - 2:25 PM	Dr. Tandis Bidgoli	Jasmyn Garland, Ricardo Ituna Gutierrez, Johnathan Rodriguez, Valerie Sosa, and Joseph Santana	*LiDAR-based geologic mapping and scarp degradation modeling of the eastern Garlock and Owl Lake faults, southwestern California*
Moderator: Elizabeth Castillo	2:30 PM - 2:45 PM	Dr. Claire Todd	Angel Balvera Gomez, Lilianna Nuno, and Karina Ramirez	*What does rocky debris on Jimmeson glacier, Mount Rainier tell us about its future?*
	2:50 PM - 3:05 PM	Dr. Tomasz Owerkowicz	Julie Migliore, Karolina Magalla, and Isaac Villegas	*Respiratory Turbinates on the American Alligator*
	3:10 PM - 3:25 PM	Dr. Becky Tatyn	Katherine Bartels	*The Effects of Roundup Super Concentrate on Drosophila melanogaster activity*