California State University, Stanislaus

28th Annual Student Research Competition

Promoting excellence in Undergraduate, Master's, and Doctoral scholarly research and creative activity by recognizing outstanding student achievements.

Friday, March 7, 2014
Mary Stuart Rogers Building
Room 130
11:00 am – 6:45 pm

Sponsored by the Office of Research and Sponsored Programs and the Center for Excellence in Graduate Education (CEGE)

Schedule

Undergraduate Natural Sciences
11:00am – 3:25 pm

Jury: ***Dr. Matthew Cover, Dr. Steven Wood, Dr. Steve Arounsack***
Moderator: Dr. Shawna Young

11:00 – 11:15 Welcome Remarks & Overview of Event Rules

11:15 – 11:30 Tiffany Chu, Martin Torres – Biological and Computer Science
Faculty Mentor: Dr. Melanie Martin
"Topic Segmentation and Text Coherence Detection in Wikipedia using Latent Semantic Analysis"

11:30 – 11:45 Sandi Lavito – Computer Science
Faculty Mentor: Dr. Megan Thomas
"Exploring the Possibility of Mobile Cognitive-Behavioral Therapy for Individuals with Anxiety Disorder"

11:45 – 12:00 Lenny Marchese, Jesus Navarro, Ileana Treyes – Mathematics
Faculty Mentor: Dr. Michael Bice, Dr. Jung-Ha An
"2-D Smoothing by an Edge Map in Medical Imaging"

12:00 – 12:15 Scott Sawyer – Physics
Faculty Mentor: Dr. Lu Rose Zhang
"Magnetic Flux Creep in High Tc Superconductors"

12:15 – 12:30 Stephanie Becerra – Chemistry
Faculty Mentor: Dr. Elvin Alemán
"Photophysical Characterization and Solvent Effect on the Tautomerism of Free-Base Corrole"

12:30 – 12:45 Nathalie Perez – Chemistry
Faculty Mentor: Dr. Elvin Alemán
"Fluorescence Properties of DNA Base Analogs to Study Base Flipping at the Single Molecule Level"

Schedule

12:45 – 12:50 Break

Jury: ***Dr. Matthew Cover, Dr. Steven Wood, Dr. Jennifer Cooper***
Moderator: Dr. Shawna Young

12:50 – 1:05 Resham Sandhu, John Mauterer, Elena Greenberg – Geology
Faculty Mentor: Dr. Mario (Marty) Giaramita
"Groundwater studies using Geophysical Techniques to Image Fractures in Bedrock near Coulterville, CA"

1:05 – 1:20 Adam Inman, Rene Toth – Geology
Faculty Mentor: Dr. Horacio Ferriz
"The Grand Canyon of the Stanislaus River"

1:20 – 1:35 Yu Jung Son – Biology
Faculty Mentor: Dr. Jung-Ha An, Dr. Younghwa Kim
"Statistical Analysis of Correlation between Air Quality and Human Disease in California"

1:35 – 1:50 Jose Morfin – Biology
Faculty Mentor: Dr. Michael Fleming
"The Replacement of Festuca arundinance with Three California Native Grass for a more Diverse Central Valley"

1:50 – 2:05 Ashley Adi – Biology
Faculty Mentor: Dr. Michael Fleming
"Competition among native California Bunchgrasses"

2:05 – 2:10 Break

Jury: ***Dr. Matthew Cover, Dr. Steven Wood, Dr. Jennifer Cooper***
Moderator: Dr. Shawna Young

2:10 – 2:25 Elizabeth Parks, Sean Isley – Biology
Faculty Mentor: Dr. Patrick Kelly
"Chasing the Tail of the Elusive Woodrat"

Schedule

2:25 – 2:40 Alejandra Guillen, Gabriela Vivanco – Biology
Faculty Mentor: Dr. Jung-Ha An, Dr. My Lo Thao, Dr. Flora Watson
"Long Term Effects of First-Hand Cigarette Smoke Exposure on the Levels of Plasma Glucose, Insulin and Cortisol Using Swiss Webster Mice"

2:40 – 2:55 Shant Ohan – Biology
Faculty Mentor: Dr. James Youngblom
"Determining cichlid Parentage using DNA Markers"

2:55 – 3:10 Jacob Brown, Paul Cordova – Biology
Faculty Mentor: Dr. Choong-Min Kang
"Genetic Separation of Catalytic Activity and Feedback Inhibition in ThrB (homoserine kinase) Enhances the L-threonine Biosynthesis in Corynebacterium glutamicum"

3:10 – 3:25 Michelle Lopez, Elizabeth Grolle – Biology
Faculty Mentor: Dr. Marina Gerson
"Flight Initiation Distance Differs Between Populations of Western Fence Lizards (Sceloporus occid entalis) at a Rural and an Urban Site"

Undergraduate Arts, Humanities, and Social Sciences
3:35 pm – 4:25 pm

Jury: ***Dr. Ellen Bell, Mr. David Olivant, Dr. Molly Crumpton Winter***
Moderator: Ms. Heidi Britt

3:35 – 3:40 Welcome Remarks & Overview of Event Rules

3:40 – 3:55 Johnny Luna – Cultural Anthropology
Faculty Mentor: Dr. Richard Wallace
"Cultivating a Community: CSAs in the Central Valley"

3:55 – 4:10 Kyle Tanaka – Philosophy
Faculty Mentor: Dr. James Tuedio
"Nietzsche, Heidegger, and Conscience as Amoral"

4:10 – 4:25 Anthony Fagundes – Geography
Faculty Mentor: Dr. Jennifer Helzer
"Campus Community Cycle Project: Assessing the Bike-Ability of California State University, Stanislaus and the Surrounding Community"

Schedule

Master's Arts and Humanities
4:35 pm – 5:25 pm

Jury: ***Dr. Susan Marshall, Dr. Ellen Bell,***
Dr. Molly Crumpton Winter
Moderator: Ms. Joyce Bell

4:35 – 4:40 Welcome Remarks & Overview of Event Rules

4:40 – 4:55 Eric Nystrom – History
Faculty Mentor: Dr. Katherine Royer
"A War without Wounds: Violence and the "Other" in Crimean War Photography"

4:55 – 5:10 Alyx Steensma – English Literature
Faculty Mentor: Dr. Anthony Perrello
"The Uncanny where Nature and Culture divide in The Tempest"

5:10 – 5:25 Dawson Vorderbruegge – English
Faculty Mentor: Dr. Mark. Thomson
"The Rhetoric of Early Christianity"

Master's Natural and Social Sciences
5:35 pm – 6:25 pm

Jury: ***Dr. Gerard Wellman, Dr. Kilolo Brodie,***
Dr. Kathryn McKenzie
Moderator: Ms. Jennifer (Jenner) Banbury

5:35 – 5:40 Welcome Remarks & Overview of Event Rules

5:40 – 5:55 Kelly Baker – Ecology & Sustainability
Faculty Mentor: Dr. Ann Kohlhaas
"Temporal Variation in Coyote (Canis Latrans) Diet at the San Joaquin River, San Luis, and Merced Wildlife Refuges"

5:55 – 6:10 Laura Carroll – Master of Social Work
Faculty Mentor: Dr. Shradha Tibrewal
"Impact of a 12-week Mindfulness-Based Prenatal Yoga Pilot Program on Maternal Stress"

6:10 – 6:25 Lisa Diaz – Ed Tech
Faculty Mentor: Dr. Dawn Poole
"Effectiveness of MyLabsPlus as an Online Homework System"

Announcement of Final Results
6:45 pm