

20th Annual Student Research Symposium Winners

10-Minute Oral Presentation

Session 1 *College of Social & Behavioral Sciences*

First Place **Holly Gover**

Graduate, Department of Psychology

Faculty Mentor: Tara Fahmie

Abstract Title: *Teaching Functional Play Skills to Preschoolers with Developmental Disabilities*

Second Place **Michele Zamora**

Undergraduate, Department of Political Science

Faculty Mentor: Alexandra Cole

Abstract Title: *Federalism and the LA River: National Government and Local Water Resource Management*

Session 2 *College of Science & Mathematics*

Frist Place **Kevin Kossick and Alex Schultz**

Undergraduate, Department of Chemistry & Biochemistry

Faculty Mentor: Taeboem Oh

Abstract Title: *N,N-diarylbenzimidazolium compounds*

Second Place **Eric McDonald**

Graduate, Department of Geological Sciences

Faculty Mentor: Cecil Robinson

Abstract Title: *Basin Analysis and Detrital Zircon Geochronology of the El Paso Mountains Permian Stratigraphic Sequence*

Session 3 *College of Health & Human Development & College of Education*

Frist Place **Amy Edwards**

Graduate, Department of Educational Leadership & Policy Studies

Faculty Mentor: John Reveles

Abstract Title: *Gender in Higher Educational Leadership*

Second Place **Eugene Rivas**

Undergraduate, Department of Health Sciences

Faculty Mentor: Suzanne Spear

Abstract Title: *Text You Later: Preliminary results of a Texting and Driving Health Education Program*

Session 4 *College of Arts, Media, & Communication and College of Humanities USU La Crescenta*

First Place **David Stamps**
Graduate, Department of Journalism
Faculty Mentor: Melissa Wall
Abstract Title: *Entertainment Media's Perception of SNS use among teenagers*

Second Place **Hsiao-Hsien Shen**
Graduate, Department of Music
Faculty Mentor: Diane Roscetti
Abstract Title: *Chopin Piano Concerto No. 1 in e minor, Op. 11*

Second Place **Mrinalini Watson**
Graduate, Department of Linguistics
Faculty Mentor: Cynthia Hagstrom
Abstract Title: *An examination of Inter-Generational Language Transfer in the Marwari speech community of India*

Session 5 *College of Science & Mathematics, USU Lake View Terrace*

First Place **Sarah Merolla**
Graduate, Department of Biology
Faculty Mentor: Robert Carpenter
Abstract Title: *Effects of ocean acidification and water flow on calcification for different morphologies of coralline algae*

Second Place **Barbara Weiser**
Graduate, Department of Biology
Faculty Mentor: Mark Steele
Abstract Title: *Estuary opening effects on population connectivity of California killifish*

Session 6 *College of Science & Mathematics, USU Flintridge Room*

First Place **Andrea Haberkern**
Graduate, Department of Biology
Faculty Mentor: David Gray
Abstract Title: *Spider form and function: foraging guild, morphology and performance*

Second Place Nickie Cammisa

Graduate, Department of Biology

Faculty Mentor: Casey terHorst

Abstract Title: *Genotypic variation in response to mutualists and drought in an invasive plant*

Session 7 *College of Science & Mathematics, USU Van Nuys*

First Place Malachia Hoover

Graduate, Department of Biology

Faculty Mentor: Jonathan Kelber

Abstract Title: *Identification of a novel Cripto/MyosinII interaction that promotes stem cell mediated tissue regeneration*

First Place Justin Molnar

Graduate, Department of Biology

Faculty Mentor: Jonathan Kelber

Abstract Title: *Quantification of the metastatic potential of HER2 positive breast cancer using the chorioallantoic membrane assay*

Second Place Sa La Kim

Undergraduate, Department of Biology

Faculty Mentor: Jonathan Kelber

Abstract Title: *The Role of ITGA1 in Pancreatic Cancer*

Session 8 *College of Science & Mathematics, USU Panorama City*

First Place Eliana Ochoa-Bolton

Undergraduate, Department of Biology

Faculty Mentor: Cindy Malone

Abstract Title: *BMP signaling patterns dorsal interneuron populations throughout spinal cord development*

Second Place Stephanie Kennedy

Undergraduate, Department of Biology

Faculty Mentor: Cindy Malone

Abstract Title: *Regulation of Tumor Necrosis Factor Alpha-Induced Protein 8 and Its Association with B-Cell Lymphomas*

Session 9 *College of Science & Mathematics, USU Tujunga*

First Place **Bobby Teng**

Undergraduate, Department of Biology

Faculty Mentor: Cindy Malone

Abstract Title: Characterization of TBX5 Cardiac Progenitor Cells derived from Human Embryonic Stem Cells

Second Place **Osvaldo Miranda**

Undergraduate, Department of Biology

Faculty Mentor: Cheryl Van Buskirk

Abstract Title: *Developmental Genes Regulate Stress-Induced Sleep In C.elegans.*

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3-Minute Oral Presentation

Session 10 *All Disciplines*

First Place Sarah Stembridge

Graduate, Department of Sociology

Faculty Mentor: Michael Carter

Abstract Title: *Behavioral, Social, and Psychological Outcomes of a Healthy-Eater Identity*

Second Place Geneva Costa

Graduate, Department of Art - Visual Arts

Faculty Mentor: Tim Forcum / Samantha Fields

Abstract Title: *Gender and the Sociopolitical Body*

Session 11 *All Disciplines*

First Place Tess Renahan

Graduate, Department of Biology

Faculty Mentor: Ray Hong

Abstract Title: *Transcriptional targets in nematode *P. pacificus* involved in host-pheromone sensing*

Second Place Elena Korsakova

Graduate, Department of Chemistry & Biochemistry

Faculty Mentor: Cindy Malone

Abstract Title: *Investigating the role(s) of Xist RNA-associated Proteins in initiation of X Chromosome Inactivation*

CAMINO Thesis Talk

First Place Christopher Balam

Graduate, Department of Kinesiology

Faculty Mentor: Steven Loy

Abstract Title: *100 Citizens-Community Exercise Program*

Second Place Esmeralda Galaviz

Graduate, Department of Family and Consumer Sciences

Faculty Mentor: Elizabeth Sussman

Abstract Title: *Cultural Competence and Renal Failure*

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Poster Presentation

- First Place Jose Estrada (BUILD PODER)**
Undergraduate, Department of Psychology
Faculty Mentor: Scott Plunkett
Abstract Title: *Parenting, Discrimination and Latino College Students' Verbal and Relational Aggression.*
- First Place Basia Gala**
Undergraduate, Department of Biology
Faculty Mentor: Cheryl Van Buskirk
Abstract Title: *Uncovering Sleep Regulators in C. elegans*
- First Place Armen Gharibi**
Graduate, Department of Biology
Faculty Mentor: Jonathan Kelber
Abstract Title: *The Function and Mechanism of ITGA1 in the Pathogenesis of Pancreatic Cancer*
- Second Place Gerardo Gutierrez**
Undergraduate, Department of Environmental and Occupational Health
Faculty Mentor: Nola Kennedy
Abstract Title: *Determine the genetic requirements for Bisphenol-A effects on germ cell chromatin de-silencing*
- Second Place Samantha Hain**
Undergraduate, Department of Biology
Faculty Mentor: Cindy Malone
Abstract Title: *Expression Regulation of Ultraviolet Radiation Resistance Associated Gene Within Small Lymphocytic Lymphoma*
- Second Place Roxana Lesso (BUILD PODER)**
Undergraduate, Department of Psychology
Faculty Mentor: Virgini a Huynh
Abstract Title: *Discrimination and Adjustment of Latino and Asian American adolescents*

Second Place Yeimy Rivera

Graduate, Department of Physics and Astronomy

Faculty Mentor: Ana Cristina Cadavid

Abstract Title: *Multifractal properties of EUV Intensity Fluctuations and Implications for Impulsive Heating Mechanisms of the Solar Corona*

Third Place Maria de Jesus Cisneros

Graduate, Department of Psychology

Faculty Mentor: Gabriela Chavira

Abstract Title: *The Impact of Latino Parent's College Awareness and Latino/a Adolescent's Academic Integration on Academic Achievement*