

CSUB OUTSTANDING STUDENT RESEARCH COMPETITION PRESENTERS 2019-20

BEHAVIORAL AND SOCIAL SCIENCES

[Graduate & Undergraduate]

1st Place – Jacob Richardson
(Sociology)

Faculty Mentor – Rhonda Dugan
Project Title – “Affirmative Consent Policy and
Conceptualization of Consent for Gay Men”

2nd Place – Sarah Winchester & Layla Vasquez
(Psychology)

Faculty Mentor – Isabel Sumaya
Project Title – “Does Diet Play a Role on Future Sucrose
Intake?”

PHYSICAL AND MATHEMATICAL SCIENCES

[Graduate]

1st Place – Cindy Rodriguez
(Geology)

Faculty Mentor – Junhua Guo
Project Title – “Wildfire Impacts on Soil Physical Properties:
2016 Erskine Fire, CA”

[Undergraduate]

1st Place – DeMario Brown
(Electrical Engineering)

Faculty Mentor – Yize Li
Project Title – “Physical Vapor Deposition”

2nd Place – Rishi Shah
(Chemistry & Biochemistry)

Faculty Mentor – Hanoz Santoke
Project Title – “UV Photodegradation of Moxifloxacin in Water
Samples”

EDUCATION

[Graduate and Undergraduate]

1st Place – Chase Gause
(Psychology)

Faculty Mentor – Kyle Susa
Project Title – “Exploring the Role of Anticipatory Processing
on Microdelayed Feedback”

2nd Place – Rabia Sohail
(Education)

Faculty Mentor – Debra Jackson
Project Title – “Identifying the Underlying Causes of Academic
Probation Through Students' Narratives: A Qualitative Study at
CSU Bakersfield”

HUMANITIES AND LETTERS

[Graduate & Undergraduate]

1st Place – Natalie Hernandez
(English)

Faculty Mentor – Robert Carlisle
Project Title – “The Life Cycle of a Self-Sacrificial Mother
Vampire”

2nd Place – Samantha DeLaCruz
(Interdisciplinary Studies)

Faculty Mentor – Tracey Salisbury
Project Title – “Reclaiming Narratives and Transcending Pain:
A Critical Analysis of Queer Representation in Film and
Television”

CSUB OUTSTANDING STUDENT RESEARCH COMPETITION PRESENTERS 2019-20

HEALTH, NUTRITION, AND CLINICAL SERVICES

[Undergraduate]

1st Place – Sumaiya Olia

(Biology)

Faculty Mentor – Paul Smith

Project Title – “Endostatin Administration Effects on PECAM-1 of the Medial Prefrontal Cortex in Relation to Estrous Phases”

2nd Place – Michael Daniel Canlas

(Kinesiology)

Faculty Mentor – Brian Street

Project Title – “Patient Health Status is Linked with Fall Incidence after Total Knee Replacement”

BUSINESS ECONOMICS AND PUBLIC

ADMINISTRATION

[Graduate & Undergraduate]

1st Place – Anthony Ponce

(Economics)

Faculty Mentor – Nyakundi Michieka

Project Title – “Water Quality and Economic Growth: Testing the Environmental Kuznets Curve for US Counties”

2nd Place – Megan Matice

(Health Care Administration)

Faculty Mentor – Rabia Sohail

Project Title – “From Myspace to MyChart: What the Healthcare Industry Can Learn from Social Media to Improve Patient Portals”

BIOLOGICAL AND AGRICULTURE SCIENCES

[Graduate]

1st Place – Jaycie Fickle

(Biology)

Faculty Mentor – Anna Jacobsen

Project Title – “Xylem structure and hydraulic function in the roots and stems of chaparral shrub species in the Sierra Nevada”

2nd Place – Misbah Chaudhry

(Biology)

Faculty Mentor – Isolde Francis

Project Title – “Exploring the biocontrol potential of *Streptomyces* isolates against *Pythium violae*, a dominant carrot pathogen”

[Undergraduate]

1st Place – Abigail Klein

(Biology)

Faculty Mentor – Karlo Lopez

Project Title – “Characterization of Full-Length Lysyl Oxidase”

2nd Place – Isaiah Orizaga

(Chemistry)

Faculty Mentor – Isolde Francis

Project Title – “Effect of Irrigation with Oil Field-Produced Water on the Viability and Survival of *Phytophthora* and *Pythium* Species in Soil Samples”

CSUB OUTSTANDING STUDENT RESEARCH COMPETITION PRESENTERS 2019-20

CREATIVE ARTS AND DESIGN

[Undergraduate]

1st Place – Travis Peterson

(Communications)

Faculty Mentor – Jeremy Warner

Project Title – “Ethics and Time Travel in Virtual Reality”

2nd Place – Jared Elliott

(Art & Art History)

Faculty Mentor – Bill Kelley

Project Title – “Paradox of Preservation”

ENGINEERING AND COMPUTER SCIENCE

[Undergraduate]

1st Place – Paul Blanco

(Computer & Electrical Engineering)

Faculty Mentor – Nyakundi Michieka

Project Title – “Wireless Solid Set Canopy Delivery System for Tree-Cooling”

2nd Place – Raquel Pimentel Contreras

(Engineering)

Faculty Mentor – Dayanand Saini

Project Title – “Techno-Economic Analysis of Large-Scale Tree Planting to Reduce Kern County’s CO2 Emissions Associated with Mobile Sources”