

MEMORANDUM

The Research Council of the University (RCU) Committee reviewed applications for the 2022-23 Student Research Scholars Program. After careful review and discussion, the recommendations of the committee are as follows:

Student Name	Department	Title of Project	Faculty Mentor
<i>2022-23 Frederick S. Macomber Student Research Scholar</i> Briana Acevedo	Geological Sciences	Determining the Petrogenesis of NWA 11788: A New Lunar Meteorite	Katie O'Sullivan
Jennifer Kuo	Computer Science	MeXanimatoR Research Project	Nick Toothman
Jasmeen Manak	Biology	Cobalt Complex Synthesis	Jesse J. Bergkamp
Isabella Ozuna	Biology	To glow or not to glow: Biofluorescence in <i>Taricha granulosa</i>	Amber Stokes
Ryan Delmore	Chemistry & Biochemistry	Structural and functional characterization of lysyl oxidase-like 4	Karlo Lopez
Ann Marie Lawson	Humanities	Caregivers: Challenges of working with persons with dementia	Jackie Kegley
Curtis Scott	Engineering	Garden Gnomes	Mostafa Abdelrehim
Julnar Al Azzam	Biochemistry	Investigation into Enzymatic Sulfur Reduction in Fossil Fuels	Karlo Lopez
Christian Bernal	Mathematics	Disease Modeling on Complex Networks	Brian Ryals

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Lanie Jackson	Biochemistry	Quantification and Characterization of Phthalate Esters Along the Kern River	Lance Talbert
Autumn Corrow	Biology	The effects of fire on bat activity in Sequoia and Kings Canyon National Park	Amber Stokes
Michael Kausch	Computer & Electrical Engineering and Computer Sciences	A Deadlock Recovery Technique for Full Adaptive Routing/Buffering Environment in Network-on-Chips	Mostafa Abdelrehim
Natasha Vinluan	Kinesiology	Asynchronous v. Synchronous Group Exercise	Zachary Zenko
Ashley Woods	Kinesiology	The associations between affective forecasts and exercise behavior	Zackary Zenko
Kate Herman	DPEL	Investigating How Urban Teacher Residency Models Prepare Teachers To Implement Inclusive Practices	Richard Wisman
Jason Kell	Kinesiology	Does sleep quality predict exercise behavior, or does exercise behavior predict sleep quality, or both?	Zachary Zenko
Elizabeth Callahan	Psychology	African American College Males Raised in Single Parent-Households, Academic Success, Mental Health, and Life	Hwaheun Kim
Alondra Ramirez	Mathematics	Investigating ways to support STEM majors pursuing careers in secondary teaching	Aubrey Kemp

Student Name	Department	Title of Project	Faculty Mentor
Natasha Selene	Psychology	Exploring Men's Ideal Self	Luis Vega
Vanessa Beltran	Theatre	Creative Activity; Playwriting. Working Title "When I Was Your Age"	Mendy McMasters
Bryan Castilla	Psychology	Understanding How Heteronormative Consciousness, Internalized Homophobia, Influence Romantic Relationships Amongst Gay Men of Color	Anne Duran
Sim Grewal	Psychology	Understanding the Role of Alcohol Use in Indian College Students	Kyle Susa
Alfonso Hernandez	Kinesiology	Does relationship status change motivations to exercise?	Zachary Zenko
Julissa Chavana	Chemistry	Degradation of Ofloxacin in Varying Conditions: Kinetics and Mechanism	Hanoz Santok
David Ruiz Haros	Kinesiology	What is a stronger predictor of exercise behavior: self-control by initiation or self- control by inhibition?	Zachary Zenko
Hector Cabrera	Modern Language and Literature	The Allure of the Extreme ou L'appel à l'Extrémité	Lena Taub Robles
Brianna Maldonado	Kinesiology	How do muscle spindles affect balance?	Alejandra Barrera

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Jose Ceja	Physics and Engineering	Combustion of Tiny Metallic Particles: A Closer Look	Sugwook Hong
Dylan Jones	History	John Mulvany: How He Changed The Course of Art History On The Wild West	Mustafah Dhada
Conner Nommensen	Kinesiology	Pride and fitness: The associations between pride, affect, and exercise behavior	Zachary Zenko
Ana Cornejo	Education	A School District's Efforts for Gender Equity: A Qualitative Study Exploring Teachers' Experiences	BreAnna Evans-Santiago
Timothy Lafond	Public Policy and Administration	Thoughtful Roadrunners Enacting Environmental Solutions (T.R.E.E.S.)	Rhonda Dugan and Kent Henderson
Marie Rigor	Communications	VR: The Boundary Between Reality and Cyberspace	Jeremy B. Warner
Kyle Winn	History	Public Health in the Mandate of South West Africa	Public Health in the Mandate of South West Africa
Sarah Alame	Biology	The allelopathic effects of bracken fern, <i>Pteridium aquilinum</i> , on interspecific interactions	Kane Keller