2022 GRAD SLAM COMPETITORS

Mostafa Abuseada, MECHANICAL ENGINEERING
Solar-Thermal Production of Hydrogen and Graphite

Nathaniel Anderson, HEALTH POLICY AND MANAGEMENT
Measuring Child Well-Being Among the U.S. Population

Shomik Ati, PHYSIOLOGICAL SCIENCE
Sex Differences in Feeding Behavior

Rajashree Bhattacharya, MATERIALS SCIENCE AND ENGINEERING
New Materials for Fuses that Work in Space

Ashley Binnquist, PSYCHOLOGY
Cross-Ideological Communication

Elizabeth Burnette, NEUROSCIENCE
What E.Coli Endotoxin Can Tell Us About Addiction

Lauren Chiang, EDUCATION
Time Is Not Money - The Relationship Between Parental Stress and Family Resources

Michael Fischella, GEOGRAPHY
Investigating Ecogeomorphic Interactions in Drylands: Aeolian Processes

Ashley Fletcher, ELECTRICAL AND COMPUTER ENGINEERING
Quantum Biology: Understanding How Quantum Phenomena Affect Our Everyday Lives

Yifan Gao, CIVIL ENGINEERING
Mighty But Mini Particles Can Clean the World

Poorna Garg, COMPUTER SCIENCE
Model Your World

Ishani Ghosh, EAST ASIAN STUDIES
Complexities of Appropriation

Jacob Green, HISTORY
Anesthesia and Religious Experience

Lance Hall, PUBLIC HEALTH
Deeper Stories, Better Outcomes

Mariana Harris, BIOMATHEMATICS
Detecting Adaptation in Genomic Data

William Hayes, MANAGEMENT
Kelvi’s Digital Transformation

Rosemary He, COMPUTER SCIENCE
Graph Embedding Methods to Study Neural Degeneration in Alzheimer’s Patients

Rachel Hodge, MOLECULAR BIOLOGY
Spilling Your Guts

Pavan Holur, ELECTRICAL ENGINEERING
Conspiracy Theories and How to Find Them

Shruti Indiresan, CIVIL ENGINEERING
Wetlands and Wildfires: How Microbes Maintain Balance

Yash Jain, ORAL BIOLOGY
Is Your Jaw Decaying?

Jacob Kohlkepp, ECONOMICS
Why Do We Do What We Do?

Breona Leonard, PHYSICS AND BIOLOGY IN MEDICINE
Adaptive Radiotherapy: Artificial Intelligence and the Prostate

Briley Lewis, ASTRONOMY AND ASTROPHYSICS
Finding Planets in a Forest of Speckles

Sangmin Lim, MECHANICAL ENGINEERING
Bacteria Robot Simulation: Helping Nanobots in Precision Medicine

Mary Jo Madda, EDUCATION
The Science Behind Bad PowerPoints: Why No One Remembers What You Said

Thomas Newhall, ASIAN LANGUAGES AND CULTURES
Buddhism as a Way of Life

Ashton Pemberton, EDUCATION
The Color of Accusal: Black Men’s Perceptions of Intraracial Sexual Violence

Collin Roberts, MATERIALS SCIENCE AND ENGINEERING
Everything is Made of Something: Titanium, Computers, and the Future

Kelsi Rutledge, BIOLOGY
The Fluid Dynamics of Smell: A Stingray’s Perspective

Kshitija Shah, CIVIL ENGINEERING
Zero Waste (Water Treatment)!

Deepak Singla, BIOENGINEERING
Walking aka Gait Cycle: Can it Help in Parkinson’s Disease?

Samantha Stein, ANTHROPOLOGY
Calling Bologna in Biomedical Research

Jessie Stoolman, ANTHROPOLOGY
Black and Jewish: The Social Life of Archives in North Africa

Graham Straus, POLITICAL SCIENCE
What are the Effects of Two Party Competition in the United States?

Phillip Sundin, BIOSTATISTICS
Stepped Wedge Designs: Stair Climbers of Clinical Trials

Katherine Taylor-Hasty, ARCHITECTURE
These are Monuments Too

Brandon Tsai, HUMAN GENETICS
Breaking the Rules to Fight Cancer

Judah Van Zandt, ASTRONOMY AND ASTROPHYSICS
Finding the Connection Between Close-In Small Planets and Distant Giants

Paul Vander, MOLECULAR, CELLULAR, AND INTEGRATIVE PHYSIOLOGY
Suspended Animation as Medicine - Science or Fiction?

Jenna Wahbeh, BIOENGINEERING
Total Disc Replacements: How Can We Better Help the Patient?

Junbo Wang, ELECTRICAL AND COMPUTER ENGINEERING
CubeSat Antennas Connecting Humanity: Towards a Better World for Everyone

Ziqi Wang, ELECTRICAL AND COMPUTER ENGINEERING
ViWatch: A Robust Smartwatch Interaction Interface Using On-body Tapping

Tanner Waters, ENVIRONMENT AND SUSTAINABILITY
Unlocking Our Ocean’s Secrets Through Fish Dandruff

Kyle Winterboer, PUBLIC POLICY
 Seeds of Consolidation: From the Farm to the City

Sihwan Yang, ECONOMICS
Dominant Currency Paradigm with Input-Output Linkage

Nicole Zeltser, HUMAN GENETICS
How Much Do Your Genetics Impact Your Health?

Icy Zhang, PSYCHOLOGY
Watching a Hands-On Activity Improves Students’ Understanding of the Shuffle Function in R
As a land grant institution, UCLA acknowledges the Gabrieliño/Tongva peoples as the traditional land caretakers of Tovaangar (Los Angeles basin, South Channel Islands).

I would like to extend my heartfelt appreciation to our generous donors, hardworking staff and above all, brilliant and articulate students who made Grad Slam 2022 such a success! Thank you so much to all who contributed.

Susan L. Ettnet
DEAN OF GRADUATE EDUCATION, GRADUATE DIVISION