



MIND-BENDING RESEARCH, MADE SIMPLE.

PRELIMINARY ROUND A

Tuesday, February 26, 2019 | 10:00 am – 12:30 pm
Charles E. Young Research Library, Room 11360

HOST

Joseph Watson – Associate Dean, UCLA Graduate Division

JUDGES

Dana Cairns Watson, Continuing Lecturer, Writing Programs and Electrical and Computer Engineering

Leon Ferder, Librarian Emeritus

Kathleen Micham, Assistant Dean, Physical Sciences

Bill Mitchell, Director Emeriti, UCLA Foundation

Clinton Bench, Director, Fleet & Transit, Transportation

Deanna Evans, Executive Director, Startup UCLA

Mary Miller, Alumni

Harry Yang, Assistant Director, Office of Research Administration

PRESENTERS *Listed in order of presentation*

Wadie Chalgham, Engineering – *Smart Gas Pipeline Leak Detection System*

Matthew Scheible, Oral Biology – *Thank You For Brushing: How Oral Microbes Can Impact Distant Organs*

Nyasha Maforo, Biomedical Physics – *At The Heart Of Duchenne Muscular Dystrophy*

Kailie Briza, Environmental Health Sciences – *Combating Antibiotic Resistance*

Tsang-Kai Chang, Electrical and Computer Engineering – *Autonomous Robots Inspired By Brains*

Ryan Lannan, Biochemistry – *What Makes Cells Different*

Dahai Yue, Health Policy & Management – *Education As A Solution For Rising Health Expenditure*

Andrea Gambino, Education – *Rethinking Critical Pedagogies: Learning Contexts Across The U.S. & China*

Dohyun Kwon, Mathematics – *Math Saves Our World*

Michelle Flores Espinosa, Materials Science & Engineering – *Tiny Helpers: Nanowires Boosting Green Energies*

Alina Arseniev-Koehler, Sociology – *What Are We Teaching Our Algorithms?*

Will Davis, Architecture – *Palm Politics: Warfare, Folklore And Architecture*

Symone Gyles, Education – *Unnatural Disasters: The Reframing Of Science Education Through A Community-Based Environmental Justice Approach*

Catherine Schweppe, Neuroscience – *Rewiring The Brain After Stroke*

Christopher Rorke, Ethnomusicology – *Musical Sincerity And Modern Life*

Claudia Bautista Perales, Social Welfare – *Day Laborer Mental Health In LA County*

Javier Rodriguez, Social Welfare – *Prison to Schools Pipeline*



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PRELIMINARY ROUND B

Tuesday, February 26, 2019 | 5:00 pm – 7:00 pm
Boyer Hall, Room 159

HOST

Samuel H. Bersola – Assistant Vice Provost, UCLA Graduate Division

JUDGES

Catherine Bonesho, Assistant Professor, Near Eastern Languages and Culture

Marie Clémot, Postdoctoral Scholar, Molecular, Cell and Developmental Biology

Grace Dong, Manager of Curriculum and Instruction at Achieve3000, GSEIS

Greg Payne, Professor, Senior Associate Dean, Biological Chemistry/Biosciences

Elizabeth Hessami, UCLA Parents Council

Daniel Low, UCLA Parents Council

Nagendra Mishra, Assistant Researcher/Professor, Harbor UCLA Medical Center

Vahideh Rasekhi, Postdoctoral Fellow, Linguistics

PRESENTERS *Listed in order of presentation*

Parinaz Abiri, Biomedical Engineering – *Keeping Up The Rhythm – The Little Pacemaker That Could*

Asif Razeef, Physiology – *Circuit-Based Understanding Of Learning And Memory In Larval Zebrafish (Danio Rerio)*

Allyson Terry, Pharmacology – *Securing The Health Of Organ Transplant Recipients*

Ife Akinyela, Education – *Can Hip Hop Save My Education?*

Hongda Wang, Electrical and Computer Engineering – *Virtual Histology Powered By AI*

Allison Daly, Molecular Biology – *Your Immune System, Your Best Friend Or Worst Enemy?*

Muhammed Veli, Electrical and Computer Engineering – *A Point-Of-Care Platform To Monitor Human Microbiome*

Alfonso Molina, Medicine and MPH / Health Policy & Management – *Increased Incidence Of Nocardial Infections In An Era Of Atovaquone Prophylaxis In Allogeneic Hematopoietic Stem Cell Transplant Recipients*

Lisa Kawakami, Chemistry – *Nanotechnology For Early Stage Cancer Detection*

Ken Zhao, Atmospheric & Oceanic Sciences – *Oceans Melting Greenland From Below*



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PRELIMINARY ROUND C

Wednesday, February 27, 2019 | 10:00 am – 12:30 pm
Charles E. Young Research Library, Room 11360

HOST

Susan Ettner – Associate Dean, UCLA Graduate Division

JUDGES

Tom Belin, Professor, Biostatistics and Psychiatry/Biobehavioral Sciences

Marisela Diaz-Vasquez, Student Affairs Officer, Physiological Science

Kristine Jan Espinoza, Undergraduate and Graduate Advisor, Asian American Studies Department

Faye Peitzman, Adjunct Professor, Graduate School of Education and Information Sciences/ EdTech

Linda Ercoli, Health Sciences Clinical Professor, David Geffen School of Medicine

Leon Ferder, Librarian Emeritus

Annelie Rugg, Director/Humanities CIO, Humanities Technology/IT

Anela Tosevska, Postdoctoral Scholar, Molecular, Cell, and Developmental Biology

PRESENTERS

Joseph Friedman, Medicine – *Ending Medical Segregation In LA*

Gerald Higginbotham, Psychology – *You Play A Sport, Right? Race Bias In Student Vs. Student-Athlete Categorization*

Ayantu Tibeso, Information Studies – *To Discover Yourself Not Existing: Archival Erasure In Ethiopia*

Xiaofei Lin, Biochemistry – *Decrypting The Immune System Code*

Aleksandr Gorin, Immunology – *Designing An HIV Vaccine*

Victoria Sun, Molecular Biology – *Creating Cancer-Fighting Cells In A Dish*

Katherine Bay, Chemistry – *Breaking Bonds To Generate Liquid Fuels*

Lionel Levine, Computer Science – *What Happens When Your Life Becomes Part Of A Computer Game?*

Stanley Harris, Education – *District Leadership Best Practices With Innovative Technology Adoption*

Katherine Cho, Education – *The Perception Of Progress*

Pavlo Pinchuk, Astronomy – *(Presentation title not disclosed at this time)*

Emily Towner, Social Sciences / Psychology – *Curiosity And Learning: Curiosity Did Not Kill The Cat*

Samantha Morse, English – *A Dreadful History*

Erika Becker, Social Sciences / Psychology – *The Neurotic Spouse*

Karime Parodi Ambel, Spanish – *Bias Against Women Victims Of Sexual Assault In The Chilean Legal System*

Patricia McNeil, Materials Science & Engineering – *Energy Saving Windows*



MIND-BENDING RESEARCH, MADE SIMPLE.

PRELIMINARY ROUND D

Wednesday, February 27, 2019 | 2:30 pm – 5:00 pm
Charles E. Young Research Library, Room 11360

HOST

Robin L. Garrell – Vice Provost for Graduate Education and Dean, UCLA Graduate Division

JUDGES

Kari Graham, Alumni

Mahdi Hasani, Project Scientist, Bioengineering

Elizabeth Hessami, UCLA Parents Council

Shivani Sharma, Researcher, Pathology & Laboratory Medicine/CNSI

Jaime Balboa, Assistant Vice Provost, Startup UCLA/Summer Sessions

Lynn Dines, Alumni

Vivian Nagy, Alumni

Alexander Patananan, Postdoctoral Scholar, Pathology and Laboratory Medicine

PRESENTERS

Comfort Azubuko-Udah, English – *Charismatic Spaces of African Literature*

Eric Siegel, Anderson School of Management – *Mission Control: A Central Approach to Patient Transfers*

Hannah (Hsing-Fang) Chang, Integrative Biology & Physiology – *Where is the Physical Trace of Memory?*

Te-Kang Chao, Mechanical & Aerospace Engineering – *Help Spinal Cord Injured Individuals Walk Again!*

Alex Lee, Molecular Biology – *Turning Strengths into Weaknesses: Attacking Brain Cancer with the Immune System*

Jennifer Ngo, Biochemistry – *Rejuvenating the Human Battery*

David Wiss, Public Health – *Gut-Based Interventions to Improve Recovery Outcomes*

Teruko Mitsuhashi, Anthropology – *“Feminism Failed Me” Understanding Women’s Conversion to Fundamentalist Religion*

Jon Bogard, Anderson School of Management – *What Do We Think About Inequality? It Depends How You Ask*

Eunjoo An, Nursing – *Shouldn’t We All Be Practicing Mindfulness?*

Kosuke Inoue, Epidemiology – *Opioid and Money*

Deniz Turan, Electrical and Computer Engineering – *Bringing Terahertz Waves from Laboratory to the Public*

Ethan Van Buren, Law – *Paying Big Brother: Legal Loopholes in Electronic Monitoring*

Kelly Strathmore, Film & Television – *Positive Portrayals of Underrepresented Groups in Successful, yet Academically & Critically Overlooked Television Shows*

Jessica Shropshire, Psychology – *More Than Just A Feminine Face: Observers Use Gendered Facial Cues to Disassociate Women with Male-Dominated Career Fields*

Alexander Sercel, Molecular Biology – *Recharging the Batteries of Life*

Bitu Mesri, Psychology – *Quality Improvements of Mental Health Services*