MASTER COMPETITION SCHEDULE AND GRADUATE STUDENT PRESENTERS

Tuesday, April 11, 2017

Round 1: 9:00 am – 12:00 pm, Young Research Library, Room 11360

- Eunjoo An, Nursing - Promoting Lifestyle Behavior Changes through Mindfulness Practice
- Rachel Bolanos, Epidemiology - DNA Blueprints and Biomarkers: Modeling HIV Related Cancer Cells
- Chantle Edillor, Human Genetics – Your life, as explained by your genome
- Ali Fattahi, Anderson School of Management – Designing Contracts Between Electricity Providers and Users to Reduce Power Consumption During High-Usage Hours
- Brandon Green, Film, Television and Digital Media – Seeing Style Off the Big Screen
- Michael Hughes, Biological Chemistry - (no presentation title)
- Joojay Huyn, Computer Science - Artificial Intelligence in Cybersecurity
- Amal Katrib, Biomedical Physics – Solving the Cancer Puzzle
- Nicholas Matiasz, Bioengineering – Building the Brain of a Robot Scientist
- Akhil Modi, Anderson School of Management – Community Renewables
- Carla Neuss, Theater, Film and Television - This is Your Brain on Medieval Theatre: applying cognitive science to the study of performance
- Seth Pree, Physics – Using Sound to Confine Hot Plasma
- Robyn Price, Archaeology - An Archeology of Scent: Unearthing the Human Experience
- Leslie Rith-Najarian, Psychology - Making Mental Health More Engaging and Accessible
- Chelsea Shover, Epidemiology - Prepping for a new era of HIV prevention
- Le Shu, Integrative Biology & Physiology - Network analysis brings new hope for treating heart disease
- Danjie Su, Asian Languages and Cultures - Chinese Grammar as An Example
- Melissa Wiles, Epidemiology – Rethinking Sexual Coercion
- Gary Yeung, Electrical Engineering – Making Electronic Personal Assistants Listen to Children
- Ken Zhao, Atmospheric and Oceanic Science - A slippery slope for the future of West Antarctica
Tuesday, April 11, 2017

Round 2: 2:00 pm – 4:30 pm, Young Research Library, Room 11360

- Abdurham Alzayed, Education - The Impact of Digital Hyper-Connectivity on our Identity: Between Reality Creators and Life Spectators
- Chia-Hsin (Emily) Cheng, Community Health Science - Think, Eat, and Wellbeing: A Study of College Student Health
- Fitz Gerald Diala, Molecular Biology - Metronidazole kills Trichomonas vaginalis. But how?
- Joey Essoe, Psychology - Distinctive virtual reality contexts enhance learning and long-term retention--for those who believe in them
- David Gonzalez, Atmospheric and Oceanic Science - Air Pollution, Free Radicals and Health
- Sarah Hiyari, Dentistry - Understanding the Genetics of Periodontitis
- Hil Hsu, Epidemiology - Anal Cancer: Let’s Talk A’Butt It
- Joey Lao, Engineering - IoT (Internet of Things) in Healthcare
- Erin Leonard, Earth, Planetary, and Space Sciences - Enceladus: Hot or Cold?
- Adina Matisoff, Geography - (De)Constructing the Asian Infrastructure Development Bank
- Yujia Peng, Psychology - The Role of Causality in the Perception of Human Actions
- Kaitlyn Sanborn, African Studies - Motivations for Refugee Violence in Africa’s Great Lakes Region
- Jiming Sheng, Physics - Developing a Cure for AIDS by Modeling and Simulation
- Ashley Schoenfeld, Earth, Planetary, and Space Sciences - The Mystery Moon: Unveiling Titan’s Geology
- Jayashri Srinivasan, Education - Model based approach for measuring teacher’s classroom practices
- Andy Tay, Bioengineering - Using magnetotactic bacteria to understand magneto-reception
- Di Wu, Chemical Engineering - “The Escape” : Novel medicine escape from immune clearance
- Yichen Wu, Electrical Engineering - c-AIR: computational platform that “sees” particles in air.
- Quan Zhou, Molecular and Medical Pharmacology

Wednesday, April 12, 2017

Round 3: 9:00 am – 12:00 pm, Young Hall, Room 2033

- Guillermo Aviles-Rodriguez, Theater, Film and Television - Watts in a Name?
- Karime Castillo, Archaeology - Glass Production in Colonial Mexico
- Taylor Corcoran, Anderson School of Management - Cancer vs. the Common Cold: Optimizing Drug Approvals
- Krystal Cunningham, Materials Science and Engineering - The Past Informs the Future: Ancient Egyptian “Cobalt Blue” Ceramics
- Oscar Fabela, Theater, Film and Television - Shakespeare for the 2017 Public
- Lila Gitesatani, Law – Cheap Justice
- Cindy Lee, Education - English Learners and Oral Language Anxiety: An Approach using LEGO® StoryStarter
- Marzieh Mandizadeh, Mechanical and Aerospace Engineering - Opportunities for Low Value Heat Recovery at Wastewater Treatment Plants
- Moupi Mukhopadhyay, Materials Science and Engineering - A Study in Scarlet: How alchemy helps detectives
Emily Murzinski, *Chemistry and Biochemistry* - Development of Novel Ghrelin O-acyl Transferase (GOAT) Inhibitors

Teresa Nguyen, *Psychology* - Marriage: Why Do Some Last While Others Fail?

Nisha Parekh, *Law and Public Policy* - The Colonial History of Economic Development

Alexandra Polasko, *Civil and Environmental Engineering* - A Hero for Water: Detecting Beneficial Bacteria to Clean Pollutants

Pradeep Rajendran, *Molecular, Cellular, & Integrative Physiology* - Neuromodulation as a Treatment for Cardiac Disease

Aliz Rao, *Human Genetics* - Discovering the genetic causes of autism

Amr Khalaf Shahat, *Archaeology* - Grains for Lives: Learning from Ancient Egyptian Granaries

Mark Straccia, *Psychology* - Focus on This: Using Neurofeedback to Improve Attention

Amanda Wagner, *Environmental Health Sciences* - Using Thin-Layer Sediment Placement to Help Coastal Wetlands Combat Sea Level Rise

You Wang, *History* - Control the Water: Rivers and Modernity in the Era of Industrialization

Xuanyi Wu, *Materials Science and Engineering* - Contributions of Pigmentation and Biophotonic Nanostructures to the Iridescence of Hummingbird Feathers

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**Wednesday, April 12, 2017**

**Round 4:** 2:00 pm – 4:30 pm, Young Hall, Room 2033

- **Mia Bennett, Geography** – Development on Ice: Arctic Infrastructure and Environmental Change in the Anthropocene

- **Roselyn Campbell, Archaeology** – Kill Thy Neighbor: The Process of Violence in the Past and the Present

- **Joseph Garand, Education** – Psychedelics Save Lives: A Case Study

- **Mojhgan Hagnegahdar, Earth, Planetary, and Space Sciences** – A Model for $^{12}\text{CH}_2\text{D}_2$ and $^{13}\text{CH}_3\text{D}$ as Complementary Tracers for the Budget of Atmospheric Methane

- **Irene Han, Classics** – In the Realm of the Senses: Plato and the Metaphysical Feminine

- **Matilde Miranda, Molecular Biology** – Skin deep: The role of CREB in hair follicle maintenance

- **Tiara Moore, Ecology and Evolutionary Biology** – Exploring Eutrophication driven estuarine acidification in the Carpinteria Salt Marsh

- **Chelsea Romney, Psychology** – Positive Relationship Predictors of Lower Cortisol in Married Couples

- **Nhu Tran, Nursing** – Is Dysfunction in Brain Blood Flow the Mechanism of Injury and Developmental Delay in Newborns with Congenital Heart Disease (CHD)?

- **Tyler Watson, Environmental Health Sciences** - The Student Food Struggle

- **Yan Yan, Chemistry and Biochemistry** – Saving Energy with Porous Window Coating
Tuesday, April 18, 2017

Semi-Final Round A:  9:00 am – 12:00 pm, Young Research Library, Room 11360

- Rachel Bolanos, Epidemiology - DNA Blueprints and Biomarkers: Modeling HIV Related Cancer Cells
- Taylor Corcoran, Anderson School of Management - HIV vs Hypertension: Optimizing Drug Approvals
- Joseph Garand, Education - Psychedelics Save Lives: A Case Study
- David Gonzalez, Atmospheric and Oceanic Sciences - Free Radicals from Air Pollution: Contributions to Health Effects?
- Nicholas Matiasz, Bioengineering - Building the Brain of a Robot Scientist
- Tiara Moore, Ecology and Evolutionary Biology - Exploring Eutrophication Driven Estuarine Acidification in the Carpinteria Salt Marsh
- Teresa Nguyen, Psychology - Marriage: Why Do Some Last While Others Fail?
- Alexandra Polasko, Civil and Environmental Engineering - A Hero for Water: Detecting Beneficial Bacteria to Clean Pollutants
- Robyn Price, Archaeology - An Archaeology of Scent: Unearthing the Human Experience
- Jiming Sheng, Physics - Developing a Cure for AIDS by Modeling and Simulation
- Mark Straccia, Psychology - Focus on This: Using Neurofeedback to Improve Attention
- Amanda Wagner, Environmental Health Sciences - Using Thin-Layer Sediment Placement to Help Coastal Wetlands Combat Sea Level Rise
- Gary Yeung, Electrical Engineering - Making Electronic Personal Assistants Listen to Children

Tuesday, April 18, 2017

Semi-Final Round B:  1:30 pm – 4:30 pm, Young Research Library, Room 11360

- Chia-Hsin (Emily) Cheng, Community Health Science - Think, Eat, and Wellbeing: A Study of College Student Health
- Hil Hsu, Epidemiology - Anal Cancer: Let’s Talk A’Butt It
- Joey Lao, Engineering - IoT (Internet of Things) in Healthcare
- Cindy Lee, Education - English Learners and Oral Language Anxiety: An Approach Using LEGO® StoryStarter
- Erin Leonard, Earth, Planetary, and Space Sciences - Enceladus: Hot or Cold?
- Matilde Miranda, Molecular Biology - Skin Deep: The Role of CREB in Hair Follicle Maintenance
- Carla Neuss, Theater, Film, and Television - This is Your Brain on Medieval Theatre: Applying Cognitive Science to the Study of Performance
- Pradeep Rajendran, Molecular, Cellular, and Integrative Physiology - Neuromodulation as a Treatment For Cardiac Disease
- Aliz Rao, Human Genetics - Discovering the Genetic Causes of Autism
- Leslie Rith-Najarian, Psychology - Making Mental Health More Engaging and Accessible
- Kaitlyn Sanborn, African Studies - Motivations for Refugee Violence in Africa’s Great Lakes Region
- Nhu Tran, Nursing - Is Brain Blood Flow Dysfunction the Mechanism of Injury and Developmental Delay in Newborns with Congenital Heart Disease (CHD)?
- Tyler Watson, Environmental Health Sciences - The Student Food Struggle
Tuesday, April 25, 2017

Final Competition: 5:00 pm – 7:30 pm, California NanoSystems Institute (CNSI)

- Taylor Corcoran, *Anderson School of Management* - HIV vs Hypertension: Optimizing Drug Approvals
- David Gonzalez, *Atmospheric and Oceanic Sciences* - Free Radicals from Air Pollution: Contributors to Health Effects?
- Hil Hsu, *Epidemiology* - Anal Cancer: Let’s Talk A’Butt It
- Cindy Lee, *Education* - English Learners and Oral Language Anxiety: An Approach Using LEGO® StoryStarter
- Erin Leonard, *Earth, Planetary, and Space Sciences* - Enceladus: Hot or Cold?
- Nicholas Matiasz, *Bioengineering* - Building the Brain of a Robot Scientist
- Carla Neuss, *Theater, Film, and Television* - This is Your Brain on Medieval Theatre: Applying Cognitive Science to the Study of Performance
- Teresa Nguyen, *Psychology* - Marriage: Why Do Some Last While Others Fail?
- Alexandra Polasko, *Civil and Environmental Engineering* - A Hero for Water: Finding and Growing Bacteria to Clean our Water
- Robyn Price, *Archaeology* - An Archaeology of Scent: Unearthing the Human Experience
- Leslie Rith-Najarian, *Psychology* - Making Mental Health Treatment More Engaging and Accessible
- Gary Yeung, *Electrical Engineering* - Making Electronic Personal Assistants Listen to Children