MASTER COMPETITION SCHEDULE AND GRADUATE STUDENT PRESENTERS

Tuesday, February 23, 2016

Round 1: 9:00 am – 12:00 pm, Perloff Hall, 1302 DeCafe

- Calvin Brown, Electrical Engineering - Learning to Beat Disease
- Yi-Pei Chen, Microbiology, Immunology, and Molecular Genetics – Sex Parasites May Be Hijacking Your Body
- Laura Haney, Astronomy - How a Freak Accident in Space Saved the Earth
- Amal Katrib, Biomedical Physics Interdisciplinary Program - “Radiotranscriptomics”: A Synergy of Imaging & Transcriptomics in Pathogenic Assessment
- Ruyi Huang, Neuroscience Interdepartmental Program – Not All About Memory: The Motor Deficits in Alzheimer's Disease
- Roch Nianogo, Epidemiology - Changing the future of obesity
- Alexandra Polasko, Civil and Environmental Engineering – Discovering New Talent In Microbes!
- Chelsea Shover, Epidemiology - Who should get the HIV prevention pill?
- Victoria Tseng, Epidemiology - Cataract Surgery and Mortality in the United States Population
- Christina Van, Molecular Biology - Exploiting a Natural Protein to Treat Multiple Sclerosis
- You Wang, History – Control the Water

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Round 2: 2:00 pm – 5:00 pm, Perloff Hall, 1302 DeCafe

- Eric Aliotta, Physics and Biology in Medicine - Microstructural Imaging of the Beating Heart with Optimized Diffusion Tensor MRI
- Joseph Hargan Calvopina, Molecular, Cell, and Development Biology – Germ Cells Are Forever
- ZeNan Chang, Molecular Biology/Chemical Engineering/Medicine - Engineering Immunity for Cancer Therapy
- Jenna Donohue, Philosophy – When Is It Unreasonable to be Unsurprised?
- Diana Dou, Molecular Biology – What genes control “stemness” in blood stem cells
- Jia Feng, History - The Emperor’s Coffer: The Qing Imperial Fiscal Separation Between Privy Purse and State Treasury (1644-1912)
• Allison Fritts-Penniman, Ecology and Evolutionary Biology - Why are Coral Reefs So Diverse?
• Calvin Ho, Sociology - Rolling out the red carpet for the best and the brightest
• William Hubbard, Physics - Small, Smaller, and Smallness
• Peggy Ip, Mechanical and Aerospace Engineering - Thermal Energy Storage for Renewables
• Mayank Jog, Bioengineering - Imaging Electric Currents
• Rayed Khedher, Anthropology – Lampedusa: The Island of Broken Dreams
• Cynthia Kusters, Epidemiology - Genetic Variants Among Parkinson's Patients and its Potential Impact on Personalized Treatment Plans
• Taylor Ludeke, Mechanical Engineering - Defining a Natural Gait
• Nerve Macaspac, Geography - Insurgent Peace: Local Peacebuilding Among Indigenous Peoples in the Cordillera Region, Philippines
• Erica Onugha, English - When Forced Labor Leaves No Time to Parent
• Ivan Pushkarsky, Bioengineering - May the Force be with you: A microtechnology for high-throughput single-cell force biology
• Alexander Thiele, Engineering - Phase Change Materials for Energy-Efficient Buildings

Wednesday, February 24, 2016

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

Caroline Arbuckle, Cotsen Institute of Archaeology - People in Production: Accessing Ancient Egyptian Carpenters and the Significance of Wooden Objects
Philip Bulterys, Microbiology, Immunology, and Molecular Genetics - Disarming Deadly Bacteria
Stephanie DeMarco, Microbiology, Immunology, and Molecular Genetics - Trypanosoma Brucei: A Social Parasite
Olivia Ellis, Environmental Health Science – How Clean Are Operating Rooms?
N.H. Diane Kim, Bioengineering - Raising Immune Infantry Against Cancer
Glenn Llorente, Music - Hybrid Notation for the Philippine Kulintang Gamelan
Maria de Lourdes Medrano, English – Ways of Mapping
Jason Moore, Neuroscience Interdepartmental Program - Measuring Brain Activity During Virtual Reality Exploration
Nako Nakatsuka, Chemistry - Nanoscale Ultrafast Biosensors to Monitor Neurotransmitters in the Brain
Cristian Ramirez, Anderson School of Management – Digital Badges and Worker Performance
Chencai Wang, Chemistry and Biochemistry - Contrast Enhancement in Early Tumor Detection through MRI
Tyler Watson, Environmental Health Sciences - Farm in the City: Improving Nutrition and Health Through Local Food in Los Angeles
Courtney Young, Molecular Biology - An end to Duchenne: gene editing for muscular dystrophy
Wednesday, February 24, 2016

Round 4: 2:00 pm – 5:00 pm, Young Hall, Room 2033

- Daryl McAdoo, Higher Education and Organizational Change - *When Motives Matter: An analysis of career motivations of students who plan to attend law school*
- Pavel Andreyanov, Economics – *Collusion & Corruption in Auctions*
- Narsis Attar, Biological Chemistry, Molecular Biology – *The Inside-Out Story of Cell Communication: why do Tumors Care?*
- Patrick Bourke, Higher Education and Organizational Change - *Campus Pride: The College Selection Process for LGBTQ Students*
- Tsz Mei Cheung, Chemistry and Biochemistry – *A New Approach to Understand Mitochondrial Diseases*
- Wendy Christensen, Psychology - *Testing Statistics: Monte Carlo Simulation Methods*
- Krystle Cobian, Graduate School of Education & Information Studies - *The Science of Developing More Scientists*
- Miguel Covarrubias, Graduate School of Education & Information Studies - *My Brother’s Keeper: How to improve educational outcomes for students with disabilities*
- Kyleigh DePetro, Integrative Biology and Physiology - *How We Walk Again After Spinal Cord Injury*
- Kaitlyn Hood, Mathematics - *Using Math to Build Design Better Blood Tests*
- Andrew Howe, Neuroscience Interdisciplinary Program – *Finding A Happy Place*
- Eoon Hye Ji, Dentistry-Oral Biology - *Global and Targeted Metabolomics of Head and Neck Cancer*
- Peng Yuan Li, Mechanical Engineering – *Design Social Network*
- Gary Li, Mechanical and Aerospace Engineering - *Traveling to Mars with Immortal Plasma Rockets*
- Jia Li, Mechanical and Aerospace Engineering - *How to serve a milk that is 100000 times smaller than the normal size?*
- Michael Lorenzini, Chemical and Biomolecular Engineering/Bioengineering - *Overcoming immunosuppressive cancer with resilient T-cell therapy*
- Joshua McGuffie, History – *Tracing Radiation*
- Samantha Mikaiel, Radiological Sciences - *Innovative Real-Time Imaging for MRI-Guided Interventions*
- Shawntel Okonkwo, Molecular Biology Institute - *Splicing together the wonderful world of gene regulation*
- Tanya Phung, Bioinformatics Interdisciplinary Program - *Processes that cause mutations in DNA*
- Hemal Semwal, Chemistry – *Nanodiamonds: Physicists New Best Friend ~ The Physics of Cancer Evolution*
- Yang Shen, Mechanical Engineering - *Virtual Reality-Based Bilateral Movement Training in Upper Extremity Post-Stroke Rehabilitation*
- Hsien-Liang Tseng, Atmospheric and Oceanic Sciences - *Is Black Carbon a Culprit of the Severe Drought in the Western United States?*
- Yolanda Vasquez-Salgado, Psychology - “It’s Difficult to Choose between Family and School”: Home-School Value Conflicts During the Transition to College
- Kristin Way, Information Studies - *Passive Participation: Textuality, Postmodernism, and Electronic Contracts*
Tuesday, March 1, 2016

Round 5 - Semi-Final: 9:00 am – 12:00 pm, Charles E. Young Research Library, Room 11360

- **Tyler Watson**, Environmental Health Sciences - *Farm in the City: Improving Nutrition and Health Through Local Food in Los Angeles*
- **Samantha Mikael**, Radiological Sciences - *Innovative Real-Time Imaging for MRI-Guided Interventions*
- **Alexandra Polasko**, Civil and Environmental Engineering - *Discovering New Talent in Microbes!*
- **Victoria Tseng**, Epidemiology - *Cataract Surgery and Mortality in the United States Population*
- **Courtney Young**, Molecular Biology - *An end to Duchenne: gene editing for muscular dystrophy*
- **Laura Haney**, Astronomy - *How a Freak Accident Saved Life on Earth*
- **Calvin Brown**, Electrical Engineering - *"Learning" to Beat Disease*
- **Mayank Jog**, Bioengineering - *Imaging Electric Currents*
- **Cynthia Kusters**, Epidemiology - *Genetic Variants Among Parkinson’s Patients and The Potential Impact on Personalized Treatment Plans*
- **Olivia Ellis**, Environmental Health Science - *How Clean Are Operating Rooms?*

Tuesday, March 1, 2016

Round 6 – Semi-Final: 1:30 pm – 4:30 pm, Charles E. Young Research Library, Room 11360

- **Yang Shen**, Mechanical Engineering – *Robotic Exoskeleton & Virtual Reality in Stroke Rehabilitation*
- **Erica Onugha**, English – *When Forced Labor Leaves No Time to Parent*
- **Jia Feng**, History – *The Emperor’s Coffer: The Qing Imperial Fiscal Separation Between Privy Purse and State Treasury (1644-1912)*
- **Calvin Ho**, Sociology – *Rolling out the red carpet for the best and the brightest*
- **Nerve Macaspac**, Geography – *Insurgent Peace: Local Peacebuilding Among Indigenous Peoples in the Cordillera Region, Philippines*
- **Philip Bulterys**, Microbiology, Immunology, and Molecular Genetics - *Disarming Deadly Bacteria*
- **Hsien-Liang Tseng**, Atmospheric and Oceanic Sciences - *Is Black Carbon a Culprit of the Severe Drought in the Western United States?*
- **Krystle Cobian**, Graduate School of Education & Information Studies - *The Science of Developing More Scientists*
- **Kyleigh DePetro**, Integrative Biology and Physiology - *How We Walk Again After Spinal Cord Injury*
- **Kaitlyn Hood**, Mathematics - *Using Math to Design Better Blood Tests*
- **Patrick Bourke**, Higher Education and Organizational Change - *Campus Pride: The College Selection Process for LGBTQ Students*
- **Gary Li**, Mechanical and Aerospace Engineering - *Traveling to Mars with Immortal Plasma Rockets*
Thursday, March 3, 2016

Final Round: 5:00 pm – 7:30 pm, James West Alumni Center, Collins Room

- Courtney Young, Molecular Biology - An end to Duchenne: gene editing for muscular dystrophy
- Victoria Tseng, Epidemiology - Cataract Surgery and Mortality in the United States Population
- Hsien-Liang Tseng, Atmospheric and Oceanic Sciences - Is Black Carbon a Culprit of the Severe Drought in the Western United States?
- Erica Onugha, English - When Forced Labor Leaves No Time to Parent
- Samantha Mikael, Radiological Sciences - Innovative Real-Time Imaging for MRI-Guided Interventions
- Nerve Macaspac, Geography - Insurgent Peace: Local Peacebuilding Among Indigenous Peoples in the Cordillera Region, Philippines
- Gary Li, Mechanical and Aerospace Engineering - Traveling to Mars with Immortal Plasma Rockets
- Mayank Jog, Bioengineering - Imaging Electric Currents
- Philip Bulterys, Microbiology, Immunology, and Molecular Genetics - Disarming Deadly Bacteria