



## 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*

**Tuesday, February 23, 2016**

**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 Coffers: 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*
- **Ali Hatamizadeh**, Mechanical Engineering – *Materials of the Future: Big Impact Starts from the Small Scale*
- **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 Mikael**, 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*
- **Qiming Shao**, Electrical Engineering - *Magnetic Skyrmions: Building a Better Computer Chip*
- **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 Mikaiel**, 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*
- **Alexander Thiele**, Engineering - *Phase Change Materials for Energy-Efficient Buildings*
- **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

- **Qiming Shao**, Electrical Engineering - *Magnetic Skyrmions: Building a Better Computer Chip*
- **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 Coffin: 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?*
- **Alexander Thiele**, Mechanical Engineering - *Phase Change Materials for Energy-Efficient Buildings*
- **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*
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