

**Oral Presentations
Meeting Room B**

10:00-10:20 am

10:25-10:45am

Dominic Smith “*Evolution of a Market: Evidence of learning on prosper.com*” Faculty Sponsor: Justin Snyder, Department of Economics

10:50-11:10am

Austin Bennett: “*Crawling Aimlessly and Talking in Circles: A Multidimensional Scaling Analysis of Path and Manner*” Faculty Sponsor: Professor Per Aage Brandt, Department of Cognitive Science

11:15-11:35am

Demetrius Colvin “*Evolution Politics, Identity, and Student Activism in the Millennial Generation*” Faculty Sponsor: Vincent McHale, Department of Political Science

11:40am-Noon

Alan Jones “*Efficacy of simple thought-based interventions in affecting mood and personality over time*” Faculty Sponsor: Juline Exline, Department of Psychology

12:05-12:25pm

Lauren Boucher “*Conformational Dynamics of Antithrombin III With Its Allosteric Activator Heparin*” Faculty Sponsor: Patrick Wintrode, Department of Physiology and Biophysics

12:30-12:50pm

12:55-1:15pm

Tim Petrie “*Mitochondrial abnormalities induced by pathogenic DJ-1 mutation in MI7 and primary neuron cell lines*” Faculty Sponsor: Xiongwei Zhu, Department of Pathology

1:20-1:40pm

Brad Hughes “*CWRU cutter: an autonomous lawnmower*” Faculty Sponsor: Roger Quinn, Department of Mechanical and Aerospace Engineering

1:45-2:05

Mari Elisse Cortez “*Overseas Filipino workers: National benefits, personal sacrifices, and unresolved issues*” Faculty Sponsor: Laura Hengehold, Department of Philosophy

2:10-2:30

Amy Brown “*The benefit of an elective year of research: comparison of Allen Fellows to traditional 5-year orthopedic surgery residents at CWRU*” Faculty Sponsor: Randall E. Marcus, Department of Orthopaedics

2:35-2:55

Jason Huber “*Meaning’s ambiguity: The multivalent discourse of primitivism in the Polynesian art of Paul Gauguin*” Faculty Sponsor: Anne Helmreich, Department of Art History

**Oral Presentations
Meeting Room C**

10:00-10:15 am

10:20-10:35am

10:40-10:55am

11:00-11:15am

11:20am-11:35

Mitchell Cooper “*Comparison of weighted and weightless transduction mediums for use in urological catheter manometer*” Faculty Sponsor: Margot Damaser, Department Biomedical Engineering

11:40-11:55pm

Alexander Schepelmann “*Vision based obstacle detection for the CWRU autonomous lawn mower*” Faculty Sponsor: Roger Quinn, Department of Mechanical and Aerospace Engineering

Noon-12:15pm

Brian Chen “*A novel antihypertensive agent derived from garlic improves determination of liver glycogen levels in the SHROB rat model*” Faculty Sponsor: Paul Ernsberger, Department Nutrition

12:20-12:35pm

12:40-12:55pm

1:00-1:15

Pin-pin Song “*Ethnic identity exploration and formation in Asian American Adolescents*” Faculty Sponsor: Eileen Anderson-Fye, Department of Anthropology

1:20-1:35

Joseph Drungil “*Beyond the lega nord and padanian political nationalism: A cultural explanation for shifting group identities in northern Italy*” Faculty Sponsor: Charlotte Ikels, Department of Anthropology

1:40-1:55

2:00-2:15

Alexander Hunt “*Robotic lunar surface mining for oxygen extraction*” Faculty Sponsor: Roger Quinn, Department of Mechanical and Aerospace

2:20-2:35

Madhumitha Ravikumar “*Development of a hemostatically active liposome-based synthetic platelet substitute*” Faculty Sponsor: Anirban Sen Gupta, Department of Biomedical Engineering

2:40-2:55

David Jones “*Computer modeling of reversible polymer-AFM tip interaction*” Faculty Sponsor: Elena Dormidontova, Department of Macromolecular Science and Engineering