



Undergraduate Student Research & Scholarship Colloquium

April 3, 2009

Mathematical & Natural Sciences

Social Sciences



Business

Demonstration/Performance

Arts & Humanities

www.loyola.edu/usrsc

2009 Undergraduate Student Research and Scholarship Colloquium

5:00-5:15 Welcome & Opening Remarks - Sellinger Atrium

5:15-6:45 Oral Presentations - (Room Locations Below)

5:15-7:15 Poster Presentations - Sellinger Atrium

**7:15-8:30 Reception & Awards Presentation
McManus Theatre, DeChiaro College Center**

7:45 Keynote Speaker: Dr. Beth Kotchick, Psychology

8:00 Presentation of Awards

Promising First-Year Scholars:

 Jaclyn DeParto

 Nominated by Dr. Janet Maher, Studio Arts

 Sarah Bowen

 Nominated by Dr. Janet Maher, Studio Arts

 Camille Wathne

 Nominated by Dr. Peggy O'Neill, Writing

Colloquium Awards

Oral Session A – Arts & Humanities – Sellinger 107

- 5:15 **Stephen Lloyd**
Architecture, Time, and Community: Why We Should Care about
Baltimore's Churches
Mentor: Dr. John Breihan, History
- 5:30 **Daniel Corrigan**
Measuring Isabella: Five Artistic Reinventions of Shakespeare's Heroine
Mentor: Dr. Janet Headley, Fine Arts
- 5:45 **Mark Plantan**
Drama of the Everyday: Emotions, Aesthetics, and Morality
Mentor: Dr. Graham McAleer, Philosophy
- 6:00 **Paul Zajac**
True West: Methods and Motivations for Mythologizing the West
Mentor: Dr. Jean Cole, English
- 6:15 **Sarah Biernacki**
The Lover and Warrior: Diomedes's Development through Benoit, Boccaccio,
and Chaucer
Mentor: Dr. Kathleen Forni, English

Oral Session B – Demonstration/Performance – Sellinger 105

- 5:15 **Alec Lawson**
Redemption After Tragedy: A One Act Play about the Aftermath and
the Afterlife
Mentor: Dr. James Bunzli, Theatre
- 5:30 **Kevin Smith**
Biotic Connections
Mentor: Dr. Dan Schlapbach, Fine Arts
- 5:45 **Letitia Wells**
Pick a Major Any Major
Mentor: Dr. James Bunzli, Theatre

***Oral Session C – Mathematical & Natural Sciences –
Sellinger 102***

- 5:15 Lindsay Morningstar
Salt Stress Effects in the Calla Lily
Mentor: Dr. Maren Blohm, Biology
- 5:30 Kristin Abt
The Threat of Local Extinction to Black-handed Spider Monkeys
(*Ateles geoffroyi*)
Mentors: Dr. David Rivers, Biology
- 5:45 Cen Liu
ATLAS Remote Monitoring System Framework
Mentor: Dr. Andrea Erdas, Physics
- 6:00 Molly M. Malone
Site Directed Mutagenesis of Cellulase Cel5A catalytic domain from
Thermobifida Fusca
Mentor: Dr. Brian Barr, Chemistry
- 6:15 Paul La Plante
The use of CHARMM in analyzing tetracycline repressor (TetR)
Mentor: Dr. Mary Lowe, Physics

Oral Session D – Social Sciences - Sellinger 104

- 5:15 Patrick Sullivan
Service-learning in the Teacher Education Program
Mentor: Dr. Mickey Fenzel, Teacher Education
- 5:30 Jeff Kukucka
Does Exposure to Co-Witness Discussion Produce Memory Distortion?
Mentor: Dr. Matt Kirkhart, Psychology

Oral Session E – Business – Sellinger 104

- 5:45 Maya Wright & Elizabeth Kelley
St. Patrick's Day Designated Driver Campaign
Mentor: Dr. Georgiana Craciun, Marketing
- 6:00 Kevin King
Building a Loyola-centric Community Website
Mentor: Dr. Beth Vallen, Marketing

Poster Session A – Mathematical & Natural Sciences

- (1) **Scott Mix, Margaret MacGibeny, Catherine VandeVoort, & Charles Chaffin**
The Role of Glucose and Metabolites in Lutinization
Mentor: Dr. Rebecca Brogan, Biology
- (2) **Amaris Yandel, Laura Marlin, and Anna Tucker**
Parental Care, Cooperation and Nesting Behavior in the Wood Thrush
(*Hylocichla Mustelina*)
Mentor: Dr. Kim Derrickson, Biology
- (3) **Tim Ciarlo and Mike Spelman**
Developmental Delay Due to Overcrowding in *Sarcophaga bullata*
Mentor: Dr. David Rivers, Biology
- (4) **John Jacobi and Amanda McCarthy**
Modulation of the Macrophage Function by *Echinacea purpurea*
Mentor: Dr. Christopher Thompson, Biology
- (5) **Mary Jean Campbell**
Effects of Calcium to Magnesium Ratios on *Arabidopsis lyrata*
Mentor: Dr. Maren Blohm, Biology
- (6) **Elise Heiss**
The Effect of Humic Substances on the Production Rate of Alkyl Nitrates
in Seawater
Mentor: Dr. Elizabeth Dahl, Chemistry
- (7) **Kerri Ruggiero and Paul LaPlante**
Going Green: A Better Way to Make Biodiesel
Mentor: Dr. Robert Bailey, Engineering
- (8) **Janine LoBue**
Multiparty Communication Complexity
Mentor: Dr. James Glenn, Computer Science
- (9) **Michael Paul**
Investigating Patterns in the Formation of Weakly Complete Number
Sequences
Mentor: Dr. Michael Knapp, Mathematical Sciences
- (10) **Megan Meyer**
A Simulated Digestion of Green Tea Enhances the Microbicidal Activity
of RAW 264.7 Cells
Mentor: Dr. Christopher Thompson, Biology

Poster Session B – Social Sciences

(11) Ashley Williams

Drink Your Way to a New You: The Relationship Between Self-Esteem,
Body Image, and Alcohol Consumption
Mentor: Dr. Rachel Grover, Psychology

Undergraduate Research and Scholarship Committee

Dr. James Bunzli, Co-Chair, Fine Arts
Dr. Christopher Higginson, Co-Chair, Psychology
Dr. Christopher Tilmann, Biology
Dr. Georgiana Craciun, Marketing
Dr. Qiyu Zhang, Marketing

Special thanks to mentors, reviewers, and judges!

The committee would also like to thank:

Ann Burke, Office of Academic Affairs
Sandra O'Neil, Office of Academic Affairs
Salvatore Lenzo, Sellinger School of Business & Management
Mary Jo Stricker, Event Services and Auxiliary Management