

THURSDAY, April 3, 2008

MORNING: ORAL PRESENTATIONS

8:00 a.m. - 12:00 p.m.
Multipurpose Room
University Union

- 8:00 a.m. **Trends in Newbery Award Winning Books 2000-2008: Literary
MPR-A Elements, Themes, and Multicultural Representations**
Abigail Stonebraker and Lisbeth Wells-Pratt
College of Education
- 8:30 a.m. **A Workable Alternative to the Current Presidential Primary
MPR-B Selection Process: The Pennsylvania Primary Plan**
Jessica Cosme, Steven Barb, and Kendra Mundell
College of Business, Information and Social Sciences
- 9:30 a.m. **An Outsider Looking In**
MPR-A Lisa Bavisotto
College of Humanities, Fine and Performing Arts
- 10:30 a.m. **Variable Conceptions of Self: The Primacy of Process Self in
MPR-B Buddhist Philosophy**
Robert Hartley
College of Humanities, Fine and Performing Arts
- 11:30 a.m. **Chaim Weizmann and the Zionist "Return"**
MPR-A Danielle LaPresta
College of Humanities, Fine and Performing Arts
- 12:00 p.m. **An Evolutionary Algorithm for Solving Team Orienteering Problems**
MPR-B Peter Schallot
College of Business, Information and Social Sciences

THURSDAY, APRIL 3, 2008

12:30 p.m.

Multipurpose Room

PLENARY

Dr. Lee Torda

Director of Undergraduate Research
Bridgewater State College
Bridgewater, MA 02325

Dr. Lee Torda joined the Bridgewater State College community in 2000 as an Assistant Professor in the English Department. Trained in Rhetoric and Composition, she was named Writing Program Coordinator in 2002. She was primarily responsible for developing and improving the first year writing program. In 2006, Lee became the first ever Director of Undergraduate Research, having previously served as a board member for undergraduate research programming since 2001. In the first year of the office's existence, Lee married her commitment to new college students and writers to her commitment to giving all students access to intense undergraduate educational experiences by expanding opportunities for new students to participate in an already thriving undergraduate research program. She created a midyear symposium for first and second year students to present their creative and scholarly work, successfully advocated for the inclusion of first year writing in the campus undergraduate research journal (of which she was faculty advisor for the first two issues), and, finally, authored a grant for the McNair Scholars TRIO program that inculcates such programming into a comprehensive plan to prepare and admit students from under-represented populations to graduate study. She has served as a Council for Undergraduate Research (CUR) facilitator at the CUR Institute on Undergraduate Research in the Social Sciences and Humanities for the past three years. She has mentored many undergraduates in composition theory undergraduate research and creative nonfiction projects.

Plenary address title:

“The Student Research Experience and You”

Outline:

The two-day long SRU Symposium for Research and Scholarship is intended to showcase outstanding undergraduate and graduate student research, scholarship, and creative activity. This year over fifty students, working with faculty sponsors, submitted abstracts describing their upper-level research papers and projects. Dr. Lee Torda will talk about the importance of the research experience for all students. What does it mean to have a “research experience?” Can anybody participate in this? Why would you want to do it? How can SRU become a better, stronger, more exciting university if we make it possible for every student who wants one to have a research experience?

THURSDAY, APRIL 3, 2008

AFTERNOON: ORAL PRESENTATIONS

2:00 p.m.- 4:30 p.m.
Multipurpose Room
University Union

- 2:00 p.m.
MPR-A **The Effect of Postural Strategies and Strength on Functional Stability Limits**
Deirdre Rifenburg and Brandon Schmitt
College of Health, Environment and Science
- 2:30 p.m.
MPR-B **Observations of Hydrogen Peroxide (H₂O₂) and Methylhydroperoxide (CH₃OOH) at Mt. Bachelor Observatory During the Spring/Summer 2007**
Kathryn George
College of Health, Environment and Science
- 3:30 p.m.
MPR-A **A Comparison Between the Math Achievement Scores of Second Graders who Received Traditional Instruction Supplemented with Rote Memorization and Those who Received Traditional Instruction Supplemented with Mathematics Games**
Heather Lark
College of Education
- 4:00 p.m.
MPR-B **Can Body Mass Index Predict a Child's Enjoyment of Physical Activity/Recreational Activity?**
Seth Little
College of Education
- 4:30 p.m.
MPR-A **Dynamics of Spherulite Formation From Self-Aggregation of Amyloid Fibrils in β -Lactoglobulin**
Eric Hardin and Dustin Hemphill
College of Health, Environment and Science
- 4:00 p.m.
West Gym Pearl K. Stoner Instructional Complex
Developing Excellence in Student Research and Leadership Skills Through the Rehearsal Process
Marlana Lacivita
College of Humanities, Fine and Performing Arts

THURSDAY, APRIL 3, 2008

MORNING: POSTER PRESENTATIONS

8:00 a.m.-11:00 a.m.
Multipurpose Room
University Union

- 8:00 a.m.
MPR-C
**Development of the Orbitonasal Region in Rabbits
(Oryctolagus Cuniculus)**
Jessica Holland
College of Health, Environment and Science
- 8:30 a.m.
MPR-C
An Infrapatellar Fat Pad Tear in a High School Athlete
Brian Seiler and Christine Jones
College of Health, Environment and Science
- 9:30 a.m.
MPR-C
**A Comparison Between the Mathematics Achievement
Scores of Second Grade Students Who Received Traditional
Instruction and Traditional Instruction Supplemented with
Manipulatives**
Heather Baptiste
College of Education
- Electrochemical Characterization of Covalently Immobilized
Ferritin**
Nicole Ritzert and Sean Casella
College of Health, Environment and Science
- 11:00 a.m.
MPR-C
Photo Exploration of Human Emotion
Megan Phillips
College of Humanities, Fine and Performing Arts

THURSDAY, APRIL 3, 2008

AFTERNOON: POSTER PRESENTATIONS

2:30 p.m.- 4:00 p.m.
Multipurpose Room
University Union

- 2:30 p.m.
MPR-C
The Role of Sodium Butyrate in Tissue Transglutaminase Expression and Apoptosis Induction
Amanda Henry
College of Health, Environment and Science
- 3:30 p.m.
MPR-C
Effect of Hibernation on Gut Histology of the Woolly Bear Caterpillar (*Pyrrharctia Isabella*)
Kaitlyn Brumbaugh
College of Health, Environment and Science
- Social and Psychological Factors Influencing Juvenile Delinquency: A Multidisciplinary Approach**
Zachary Blume and Sheila Moskal
College of Business, Information and Social Sciences
- 4:00 p.m.
MPR-C
Human Erythroleukemia Cells in Response to Retinoic Acid and Analogues
Matthew Miller and Jared Hillard
College of Health, Environment and Science

FRIDAY, APRIL 4, 2008

MORNING: ORAL PRESENTATIONS

9:00 a.m.- 12:00 p.m.
Multipurpose Room
University Union

- 9:00 a.m.
MPR-A **Examination of a Single-Stage Submaximal Treadmill Test to Estimate Aerobic Capacity**
Kristen Vogt
College of Health, Environment and Science
- 9:30 a.m.
MPR-B **John Kennedy's Foreign Policy Toward Cuba and Indochina**
David Hewitt
College of Business, Information and Social Sciences
- 10:00 a.m.
MPR-A **A Comparison Between the Mathematics Achievement Scores of Seventh Graders Whose Traditional Instruction was Supplemented with Spiral Mathematics Review Questions, and Those Whose Traditional Instruction was Supplemented with Structured Journal Prompt Writing**
Rachel Ludwig
College of Education
- 10:30 a.m.
MPR-B **Nematic Order Parameter in Thermotropic/Lyotropic Mixture System**
Brad Kirkwood and Kevin Sobczak
College of Health, Environment and Science
- 11:00 a.m.
MPR-A **Moving to Awareness: Zen and Contact Improvisation**
Sarah Joy Stallsmith
College of Humanities, Fine and Performing Arts
- 12:00 p.m.
MPR-B **Impact of Plant Sex and Environment on the Mycorrhizal Density of Strawberry**
Theresa McClain
College of Health, Environment and Science

FRIDAY, APRIL 4, 2008

AFTERNOON: ORAL PRESENTATIONS

1:00 p.m.- 2:30 p.m.
Multipurpose Room
University Union

- 1:00 p.m.
MPR-A **Assessing the Unmet Shopping Needs of Residents of St Paul Homes Retirement Community**
Andrew Derr
College of Business, Information and Social Sciences
- 1:30 p.m.
MPR-B **Validation of Bioelectrical Impedance Analyzers as a Measure of Percent Body Fat**
Megan Knechtges
College of Health, Environment and Science
- 2:00 p.m.
MPR-A **Coming Out Later in Life: Experiences of Previously Married Lesbians with Children**
Nancy Hammond
College of Health, Environment and Science
- 2:30 p.m.
MPR-B **The Effect of Exercise on Percent Body Fat Estimation Using Bioelectrical Impedance Analysis**
Jeremy Miller
College of Health, Environment and Science

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8:30 a.m. – 12:30 p.m.
Multipurpose Room
University Union

- 8:30 a.m.
MPR-C **Moments**
Daniel Naelitz
College of Humanities, Fine and Performing Arts
- 9:00 a.m.
MPR-C **The Ontogeny of Color Pattern Elements in Thorichthys Meeki (Brind)**
Rebecca Pike
College of Health, Environment and Science
- 10:30 a.m.
MPR-C **Velocity Structure Near the Site of the Northern 2002 Embayment Seismic Excitation Experiment Explosion from Reflection, Refraction, and Strong Motion Measurements**
Duayne Rieger
College of Health, Environment and Science
- 11:00 a.m.
MPR-C **Urban Impact on Forest Cover in Tallahassee/Red Hills Region Between 1987 and 2005**
Rose Iksic and Daniel Cannon
College of Health, Environment and Science
- The Mystery of Gamma Ray Bursts**
Peter Lukas and Meghan Rice
College of Health, Environment and Science

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8:30 a.m. – 12:30 p.m.
Multipurpose Room
University Union

- 11:30 a.m.
MPR-C
- Comparison of Radon Contamination in Slippery Rock University Campus Buildings and Surrounding Homes in Western Pennsylvania**
Tyler Martin, Meaghan Hainzer, and Patrick Hill
College of Health, Environment and Science
- A Concise History of Women Astronomers**
Kaitlyn Campbell, Dessie Cipicchio, Kathryn Kurylo, and Mandy McNabb
College of Health, Environment and Science
- 12:30 p.m.
MPR-C
- An Alternative Explanation to Dark Matter in the Universe**
Kevin Sobczak and Dustin Hemphill
College of Health, Environment and Science

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AFTERNOON: POSTER PRESENTATIONS

1:00 p.m. – 2:30 p.m.
Multipurpose Room
University Union

- 1:00 p.m.
MPR-C **Reflex Sympathetic Dystrophy in a Collegiate Athlete**
Jenna Micsky, Katherine Sullivan, Ashley Rex, and Brandon Hall
College of Health, Environment and Science
- Wolf-Hirschhorn Syndrome**
Alexandra McKenzie
College of Business, Information and Social Sciences
- 1:30 p.m.
MPR-C **Photo Explorations of Texture and Glamour**
Nicole Fullerton
College of Humanities, Fine and Performing Arts
- 2:00 p.m.
MPR-C **Terrestrial In-site Cosmogenic Nuclide Dating of Ventifacts
with ^{10}Be to Constrain the Deposition of Alluvium in Roberts
Prairie Dog Town, Badlands National Park**
Bryan Page
College of Health, Environment and Science
- 2:30 p.m.
MPR-C **Update on the Moraine Watershed Groundwater Monitoring
Project**
Katelyn Smiley
College of Health, Environment and Science

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