

Wheeling Jesuit University
Student Research and Scholarship Symposium
April 6, 2011

9:00-9:45 Opening Ceremonies: Acker Science Center Auditorium

Welcome: Dr. Bryan Raudenbush, Associate Professor of Psychology, Director of Undergraduate Research and Symposium Committee Chair

Welcome: Mr. Richard Beyer, University President

Introduction of Keynote Speaker: Dr. Larry Driscoll, Associate Professor of Criminal Justice

Keynote Speaker: Mr. Ian Wilson, M.A., 2004 Alum

Invited Address: *“Keepers of the Secret Code: Where Research Intertwines with the Streets”*

Opening Blessing: Fr. James Flemming, S.J., University Vice President and Chief of Staff

10:00-11:00 Concurrent Session 1A: History 1 [ASC-212]

Session Moderators: Ms. Kristin McCombs, Adjunct Professor of Psychology
Fr. James O'Brien, S.J., Associate Professor of Philosophy

10:00-10:15 Chris Rouhier [Laker]
World of Hurt: The Rise and Fall of the 1974-75 World Football League

10:15-10:30 Chris Rouhier [Rutherford]
The Shuster Commission: Bureaucratic Inefficiency and Breaches of Secrecy

10:30-10:45 Sean Cooksey [Rutherford]
The Maginot Line: The Achilles Heel of the Third Republic

10:45-11:00 Marlee E. Amos [Rutherford]
Spies, Lies and Allies: Gender Roles Portrayed and Fought Against by Female Spies During World War II

10:00-10:30 Concurrent Session 1B: Philosophy [ASC-213]


Session Moderators: Dr. Michael Kirkpatrick, Associate Professor of Psychology
Dr. Jonathan Lief, Professor of Biology

10:00-10:15 Ryan Norman [Whelton]
Categories of Art, Art Forms, and Aesthetic Experiences

10:15-10:30 Edward P. Peters Jr. [Whelton]
The Composer as Elicitor: Why Musical Works Are Not Created By Humans

10:00-10:45 Concurrent Session 1C: Biology and Nuclear Medicine [ASC-215]

Session Moderators: Ms. MaryBeth Emmerth, Associate Professor and Director
of Respiratory Therapy Program
Dr. Elisabeth Chalovich, Assistant Professor of Biology

10:00-10:15  Zackary Birchard [Stout]
The Effects of Heavy Metal Contamination on Water under Simulated Underground Conditions

10:15-10:30 Laura Hydeman [Shurina]
Effect of C-peptide on Complex I Subunit Expression and Oxidative Metabolism of Glucose

10:30-10:45 Brian Budney [George]
Examination and Comparison of Tritium Glucose Analogs

10:00-10:45 Concurrent Session 1D: Professional Communications [ASC-312]

Session Moderators: Dr. Daniel Weimer, Assistant Professor of History
Dr. Leslie Liedel, Associate Professor of History

10:00-10:15 Kendyl Morris [Watson]
Fundraising through SendOut Cards

10:15-10:30 Chelsea Reyher [Watson]
Keeping Creativity

10:30-10:45 Shane Rabant [Watson]
BOHO Boards Advertising Portfolio

11:00-12:30 Poster Session 1: Troy Theater, Swint Hall

Athletic Training, Chemistry, Nuclear Medicine, and Respiratory Therapy

Session Moderators: Dr. Maureen McKenna, Associate Professor of Physical Therapy (Posters 1-6)
Dr. Michael Hoops, Assistant Professor of Chemistry (Posters 1-6)
Dr. Caterina Abraham, Clinical Assistant Professor of Physical Therapy (Posters 7-12)
Dr. Janet Bischof, Assistant Professor of Nursing (Posters 7-12)
Dr. Norman Duffy, Professor of Chemistry (Posters 13-17)
Dr. Thomas Conti, Adjunct Professor of Chemistry (Posters 13-17)
Dr. Peter Ehni, Associate Professor of Physics (Posters 18-22)
Ms. Jody Seabright, Assistant Professor of Nursing (Posters 18-22)

Number is poster location:

1. Adam Carter [Hanna]
The need for a greater use of the Y-balance test to help decrease lower leg injuries in athletes who suffer from chronic lower extremity injuries.
2. Mike Babjak [Hanna]
How effective is functional clothing at regulating body temperature and enhancing performance in exercise and sports?
3. Bridget Buskirk [Hanna]
How Effective is the use of Kinesio Tape on an Injured Athlete?
4. Torey Prickett [Hanna]
Speed Training vs. Strength Training: Which is more beneficial for improving speed?
5. Katrina Kennedy [Hanna]
Effects of Exercise in the Classroom During Lessons on Student Performance
6. Joseph Probert [Hanna]
Does the Power Balance bracelet really have a physiological effect on performance enhancement, or is it purely psychological?
7. Chasidy Burkhart [Hanna]
How Would Having a Certified Athletic Trainer (ATC) on Staff at Secondary Schools Affect Athletes and the Injuries that Occur?

8. Caroline Williams [Hanna]
Current Concussion Management Techniques and the Effect of Diet on the Return to Play Time
9. Michael Ludewig [Hanna]
Effects of Pitching Restrictions to Reduce Injuries in Children
10. Kristen DuBroy [Hanna]
Augmented Soft Tissue Mobilization Effects on Balance
11. Nathan Ogonek [Hanna]
Treating Medial and Lateral Epicondylitis with Low-Level Laser Therapy
12. Kara Houston [Hanna]
What Differences Exist between the Graston Technique and the Augmented Soft Tissue Mobilization and Which Technique is Superior?
13. Katie Rennie [Railing]
Thermodynamic Studies on Conjugated Heteroalkenes
14. Colin Jack [Hoops]
Studying the Thermal Decomposition Pathways of Dithiocarbamates with TGA
15. Rory Beck [Coffield]
Electrochemical Investigation and Synthesis of Novel Metal-Dithiocarbamate Complexes
16. Aubrey L. Bodo [George]
Would it be Beneficial to Nuclear Medicine if an Alternative Molecular Imaging Agent were created to Succeed ¹¹¹In Capromab Pendetide?
17. Lacy Greene [George]
Implementation of Positron Emission Mammography as an Adjunct Imaging Modality in Breast Cancer
18. Megan Stuvek [George]
Comparison of Nuclear Medicine Stress testing and Cardiac CT and which one yields greater benefits for the patients
19. Bria Morris [George]
Myocardial Perfusion Imaging and Cardiac CT are Two Non Invasive Scans Used In the Diagnosis of Coronary Artery Disease Which is Better?
20. Drew West [Emmerth]
When Various Extubation Forces Are Applied, Do Traditional Taping Methods or Endotracheal Tube Holders Provide the Greatest Endotracheal Tube Securement?

21. Sarah Kaczor [Emmerth]
Does Nail Polish Effect Pulse Oximetry Saturation Level Readings?
22. Mike Goldsberry [Emmerth]
Does the Neopuff provide increased patient safety and effective tidal volume delivery to neonates when compared to standard self-inflating and flow-inflating neonate resuscitation bags?

11:30-12:30 Student Fine Arts Exhibition: ASC-313

Session Facilitator: Ms. Georgia Tambasis, Instructor of English, Communications and Fine Arts

12:30-1:00 Lunch: Benedum Dining Room, Swint Hall

1:00-2:30 Poster Session 2: Troy Theater, Swint Hall

Biology, Honors Program, Political and Economic Philosophy, Professional Communications, and Psychology

Session Moderators:

- Ms. Deborah Wilkinson, Clinical Assistant Professor of Nuclear Medicine (*Posters 1-6*)
- Ms. Christina Coyle, Adjunct Instructor of Chemistry (*Posters 1-6*)
- Mr. Theodore Pauls, Assistant Professor of Marketing and Management (*Posters 7-12*)
- Ms. Mary Roberta Caswell, Assistant ARC Coordinator (*Posters 7-12*)
- Dr. Beverly Whelton, Associate Professor of Philosophy (*Posters 13-17*)
- Mr. Patrick Plunkett, Associate Professor of Computer Science (*Posters 13-17*)
- Ms. Jane Neuenschwander, Instructor in Professional Education (*Posters 18-22*)
- Mr. John Yelenic, Director of the Accelerated Certification for Teaching Program (*Posters 18-22*)

Number is poster location:

1. Jodi Gottardi [Cook]
Determining Antimicrobial Properties of Titanium Dioxide, Zinc Oxide, and Magnesium Oxide Against Escherichia coli, Staphylococcus aureus, and Pseudomonas aeruginosa
2. Brittany Burkhart [Shurina]
Transfection of SVEC4-10 Cell Line with sh-RNA to Study the Effects of AFAP Knockdown on Angiogenesis
3. Michael Netasie [Cook]
Diminished Mitochondrial Protein Import in Association with ALS
4. Brittany White [Shurina]
Melphalan Treatment Induces An Interleukin-6 Deficit In The Bone Marrow Microenvironment and Toxicity of Melphalan is Observed
5. Elizabeth H. Pierson [Shurina]
Comparative Immunofluorescent Analysis of Tumor Cell Leading Edge Properties and Susceptibility to Pseudomonas Type III Secretion
6. Talia Blankenship [Shurina]
Delivery of Fusion Protein into cells using the cell-permeable peptide Antennapedia
7. Abbey Bennet [Leif]
The Effects of Diabetes on the Incidence of Prostate Cancer
8. Chelsea D. Coconougher [Cook]
Senior Pasture Horses and the Change in Lactobacillus acidophilus Populations: Based on a Diet of All Stock Feed Compared with a Diet of Triple Crown Senior Feed
9. Sarah Mogan; Greenwalt, Mertz [Weimer]
What Constitutes Zombie-ness? - A Psycho Historical International Study
10. Elizabeth Pierson [Weimer]
A comparative neurobiological assessment of PWS patients and the classic zombie
11. Chasidy Burkhart [Weimer]
Being Prepared for When Zombies Attack
12. Laura Hydeman; White, Brittany [Weimer]
The Optical Illusions of Zombies
13. Natalie Mogan [Stover]
The Wedding Industry: Capitalism takes the Cake

14.  Kendyl Morris [Ruberg]
Analyzing the Spin of Media Coverage on Mining Safety Issues
15. Christina Pavlik; Antoinette, Johnson, Little, Moore [Hull]
Impact of Body Size on Perceived Personality
16. August Capiola [Raudenbush]
Effects of Soccer Ball Heading on Scent Identification and Olfactory Functioning
17. August Capiola [Raudenbush]
Physiological Responses of Food Neophobics and Food Neophilics to Food and Non-Food Stimuli
18. Courtney Newlon [McCombs]
An Examination of the Influence of Serious Video Game Play on Body Language
19. Mark Sappington; Bova, Andrea [Raudenbush]
Effects of Peppermint Scent Administration on Cognitive Video Game Performance using the Wii Gaming System
20. Mark Sappington [Raudenbush]
Influence of Artificial Sweeteners on Pain Perception
21. Katherine Winters-Hazen [Hull]
Use of Line Drawings to Assess Perceptions of Healthy Weight
22. Sarah Mogan [Raudenbush]
Effects of Odorant Administration on Consumer Product Selection and Expected Value

2:30-3:15 Concurrent Session 2A: History 2 [ASC-212]

Session Moderators: Mr. James Stover, Instructor in Philosophy
Dr. Julie Osland, Associate Professor of Psychology

- | | |
|-----------|--|
| 2:30-2:45 | Dean Williams [Rutherford]
<i>German Forced Labor in World War Two</i> |
| 2:45-3:00 | Aaron Simpson [Rutherford]
<i>Divided They Fall: Failure of the German Resistance to Hitler</i> |
| 3:00-3:15 | Emily Taylor [Rutherford]
<i>When Extreme Nationalism Destroys</i> |

2:30-3:00 Concurrent Session 2D: Information Science [ASC-315]

Session Moderators: Dr. Theodore Erickson, Professor of Mathematics
Dr. Benjamin Stout, Professor of Biology

2:30-2:45 Audra Macri [Plunkett]
Wheeling Jesuit University Virtual Tour

2:45-3:00 Timothy C. Henson [Plunkett]
The Human Computer

3:45-4:30 Service for Social Action Center Presentation – Acker Science Center Hawk Auditorium

Session Facilitators:

Ms. Adrienne Greene, Coordinator, Service for Social Action Center
Mr. Austin Macri, Service Development and Research Coordinator

Impact of SSAC Domestic and International Service Immersion Experience on Students

Student Discussion and Question/Answer Session

4:30-5:00 Awards Ceremony: Acker Science Center Hawk Auditorium

Presentation of Awards:

Dr. Maureen McKenna, Associate Professor of Physical Therapy

Ms. Mary Ellen Cassidy, Director of the Appalachian Institute

Closing Remarks:

Dr. Steven Stahl, Vice President for Academic Affairs
and Dean of Faculty

5:30-6:30 Dinner: Benedum Dining Room

6:30-8:30 Haig Presentations – Acker Science Center Hawk Auditorium

Session Moderator: Dr. James Coffield, Assistant Professor of Chemistry and Haig Coordinator