University Research and Scholarship Council Symposium
April 6-7, 2016

Featuring:

Brian Baum, PhD
Keynote Speaker
Wednesday, April 6, 2016
Main Hall 333
12:00 p.m. – 1:00 p.m.

Poster and Podium Presentations
Thursday, April 7, 2016
St. Peter Claver, S.J. Hall
9:30 a.m. – 4:30 p.m.

Wednesday, April 6
Keynote Speaker
12:00p – 1:00 a.m.
Main Hall 333
Brian Baum, PhD, Associate Professor, School of Physical Therapy
Running After Amputation: Performance, Injury Risk, and Research at Regis
Streamed live via http://videos.regis.edu/live

Thursday, April 7
9:30 a.m. – 11:00 a.m.
St. Peter Claver, S.J. Hall, Mountain View Room entrance
Poster registration and space assignment
11:15 a.m. – 4:30 p.m.
Poster viewing open to the public (See below for poster presentation preview)
Podium Sessions  
Classrooms: PCH 210, PCH 328, PCH 306, PCH 307  
* Designates URSC Funded Research

11:15 – 12:30 p.m.  
Session 1

PCH 210  
Session Facilitator: Kelli Woodrow, PhD

*Camille DeBell, PhD; Bobbi Miller, PhD; Jennifer Cates, PhD: Real-Time Client Feedback in a Psychotherapy Training Clinic

*Matt Barton: Genetic Structure of a Howler Monkey Population at La Suerte, Costa Rica

LaToya Braun, PhD: A novel silicone oil-free lubrication for pre-filled glass syringes

*Mary Katrina Andrus: Examining the presence of internalized Arcobacter butzleri in rice (Orzya sativa) as transmitted by contaminated irrigation water

PCH 328  
Session Facilitator: Jennifer Cates, PhD

*Daryl Palmer, PhD: What We Can Learn from the Extraordinary Case of Dartington Hall, 1925-1940

*Brittany Truong and Heather Humphrey: Comparison of genetic structure between mantled howler (Alouatta palliata) and white-faced capuchin (Cebus capucinus) monkeys in La Suerte, Costa Rica

Amy Rell, PhD; Fabiola Roll; Rita Puig: Transformed Lives: An Examination of the Impact of Dual Language Programming on Post-Secondary Learners

12:30 – 12:45 p.m.  
Break and poster viewing in Mountain View Room

12:45 – 1:45 p.m.  
Session 2

PCH 306  
Session Facilitator: Amy Schreier, PhD  
Session Ambassador: Amanda Miller, PhD

*Ryan Barton: Genetic analysis of symbiotic bioluminescent marine bacteria Photobacterium leiognathi and Aliivibrio fischeri
Maureen McGuire PhD, RN; Carol Goldstein PhD, MSN, MPH, RN: Motivation and change: An analysis of student reflections of experiential learning in nursing health policy courses

Frederick Gray, PhD: Muon g-2: Searching for Particle Physics Beyond the Standard Model

*Meghan Schrik: Sublethal Toxicity of Copper to Urban-dwelling Damselflies

12:45 – 1:45 p.m.  
**Session 2 (cont’d)**

**PCH 307**  
**Session Facilitator: Chris Malarkey, PhD**  
**Session Ambassador: Jennifer Cates, PhD**

*Obdulia Castro, PhD: The Impact of the Orality-Literacy Continuum in the Process of Language Maintenance and Change in Bi-Cultural/Bilingual Environments: a comparative study of Traditional New Mexican Spanish and Galician

Linda Land-Closson, PhD: Tattoos are really about relationship: Bringing Relational Cultural Theory into conversation with Tattoos on the Heart

*Michael Nelson, PhD, RPh: Team-Based Learning in the UK: The Faculty Experience

1:45 – 2 p.m.  
**Break**

2 – 3:15 p.m.  
**Session 3**

**PCH 306**  
**Session Facilitator: Luka Powanga, PhD**  
**Session Ambassador: Amy Schreier, PhD**

*Cath Kleier, PhD: Monitoring Trail Restoration and Revegetation: Success of Cushion Plant Plug Transplants and Colonization on Mount Yale, Collegiate Peaks Wilderness Area, CO

*Evan Ingerson, SPT: Clinical Response to Stabilization Based Exercise in a Subgroup of Individuals with Low Back Pain

*Brennan Mulligan: Effects of Visual Ambiguity on Audiovisual Sentence Perception

*Alice M. Davis, PT, DPT: Development of Transformational Leaders in Doctor of Physical Therapy Students
2 – 3:15 p.m.  

Session 3 (cont’d)

PCH 307  
Session Facilitator: Chris Malarkey, PhD  
Session Ambassador: Karen Smith, PhD

*Michael J. Ghedotti, PhD: Morphology and evolution of bioluminescent organs in the glow bellies and sweepers (Acropomatidae and Pempheridae)

Holly Anderson, PharmD: Utilization of a pharmacist-driven penicillin allergy protocol to reduce use of unnecessary broad spectrum antibiotics

Surendra Mahapatro, PhD: 125 Years of Sandmeyer Reaction- Molecular Basis of Diazonium Ion Toxicity: Electron Transfer Reactions

*Owen Krueger B.S., M.S. Candidate: Examining the Effects of Unexpected Cell Phone Notifications on Response Time in Humans

3:30 – 4:30 p.m.

Poster Presentations and Celebration Reception
Mountain View Room

Father John P. Fitzgibbons, S.J.; President, Regis University  
Welcome

Patricia A. Ladewig, PhD; Provost, Regis University  
Regis University’s Growing Research

Poster Awards

“Experiential learning is participative, interactive, and applied. It allows contact with the environment, and exposure to processes that are highly variable and uncertain. It involves the whole-person; learning takes place on the affective and behavioral dimensions as well as on the cognitive dimension.”  
James W. Gentry
Poster Presentations
St. Peter Claver, S.J. Hall, Mountain View Room
* Designates URSC Funded Research

1. **Presenter(s)** Meghan Schrika
   Sublethal Toxicity of Copper to Urban-dwelling Damselflies

2. **Presenter(s)** Surendra Mahapatro, PhD
   Green Approaches to the Reductive Detoxification of TNT

3. **Presenter(s)** Surendra Mahapatro, PhD
   125 Years of Sandmeyer Reaction- Molecular Basis of Diazonium Ion Toxicity: Electron Transfer Reactions

4. **Presenter(s)** *Jolee Espinosa*
   Hop Flavoring in Beer Through Gc-Ms and Partial Least Squares Discriminant Analysis

5. **Presenter(s)** *Evan Ingerson, SPT*
   Clinical Response to Stabilization Based Exercise in a Subgroup of Individuals with Low Back Pain

6. **Presenter(s)** Laura Beer, PhD
   A Novel Silicone Oil-Free Lubrication for Pre-Filled Glass Syringes

7. **Presenter(s)** *Alexandra Crook*
   Spectroscopic Characterization of Lumazine: Determining the Mechanism of Photodynamic Cancer Therapy

8. **Presenter(s)** Diane Ernst, RN, MSN, MBA, PhD and Barbara Berg, RN, DNP, CNS, PNP, CNE
   Coordinating a Masters in Nursing Clinical Experience for Online Students: An Innovative Teaching Strategy

9. **Presenter(s)** Mark F. Reinking, PT, PhD, SCS, ATC
   Medial Tibial Stress Syndrome in Active Individuals: A Systematic Review and Meta-Analysis of Risk Factors

10. **Presenter(s)** April Hughes, PharmD
    Impact of Community Pharmacist Education Through the Use of a Patient Friendly Handout on Statin Adherence

11. **Presenter(s)** Owen Krueger BS, MS Candidate; Michael Cuje BA; Lindsay Tatman BA; Sally Huynh BS
    Examining the Effects of Unexpected Cell Phone Notifications on Response Time in Humans

12. **Presenter(s)** Holly Anderson, PharmD
    Utilization of a Pharmacist-Driven Penicillin Allergy Protocol to Reduce Use of Unnecessary Broad Spectrum

13. **Presenter(s)** Vanessa Jamison, PharmD Candidate; Brennan Jacobs, PharmD Candidate; Stephanie James, PhD
    Response of Varicella Zoster specific T cells to Programmed Death Receptor-1 blockade
14. Presenter(s) *Bridget O'Mara
Examining the Impact of Prandtl Number and Surface Convection Models on Deep Solar Convection

15. Presenter(s) Miki Goldwire, PharmD, MS, BCPS
Relationship between Intra-semester Quizzes and Cumulative Exam Score in a Team-based Learning Literature Evaluation Course

16. Presenter(s) *Thomas McPoil, PhD, PT
The Use of a Static Measure to Predict Foot Posture at Mid-support During Running

17. Presenter(s) Michelle Andress, PharmD
Assessing 30-day Readmissions and Interventions Provided by Community and Hospital Pharmacy

18. Presenter(s) *Nathaniel Pryor
A Preliminary Examination of Genetic Diversity in Mantled Howler Monkeys (Alouatta Palliata) in a Fragmented Forest in Costa Rica

19. Presenter(s) Open

20. Presenter(s) Alfredo Guzman, PharmD Candidate; Amelia Nelson, PharmD Candidate; Theresa Simpson, PharmD Candidate; Charlotte Ricchetti, PharmD BCPS CDE
Clinical Pharmacy Intervention to Reduce Morphine Equivalent Dose in Chronic Non-cancer Pain

21. Presenter(s) Miki Goldwire, PharmD, MS, BCPS
Impact of High and Low-Ranking Team-Members on Individual-Scores in a Team-Based Learning Integrated Literature Evaluation (ILE) Course

22. Presenter(s) Alan Stark Adverse Events

23. Presenter(s) Alexandra Moauro; Janna K. Brown; Katherine Wallerius; Stacy Chamberlin, PhD
Role of Aspartic Acid 101 in E. coli Alkaline Phosphatase Architectural Activity and Stability

24. Presenter(s) *Levi Kramer; Carolyn Hofmeister; Danica Cutshall; Olivia Kilbarger; Hyun Kim; Halli Benasutti; Stacy Chamberlin, PhD
Why taking your vitamins is essential: The importance of architecture in metabolite sensing by the B12 riboswitch

25. Presenter(s) Olivia Kilbarger; DA Than; BJ Anderson; Stacy Chamberlin, PhD
Increasing the Activity of E. Coli Alkaline Phosphatase Through a Structurally Destabilizing Mutation

26. Presenter(s) *Aleina Tanabe and Isabella Kaser
Impact of Social Networking on Recovering from an Acute Stressor in College Students

27. Presenter(s) *Abigail Taylor, PharmD Candidate
Examining Health Claims Provided on Dietary Supplement Packaging

28. Presenter(s) Mary Katrina Andrus
Examining the Presence of Internalized Arcobacter Butzleri in Rice (Orzya Sativa) as Transmitted by Contaminated Irrigation Water
Acknowledgements and Appreciation

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Research Support Services

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irb@regis.edu

Institutional Animal Care and Use Committee
iacuc@regis.edu

University Research and Scholarship Council
ursc@regis.edu

Dayton Memorial Library, Research Help Desk
library@regis.edu

Information Technology Services
its@regis.edu

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learningcommons@regis.edu

Center for Excellence in Teaching and Learning
ksagendorf@regis.edu

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