Manchester University
Student Research Symposium
Sponsored by Glenn R. Sharfman
Vice President and Dean for Academic Affairs
April 25, 2014
3 - 5:30 p.m.

Audience Arrival in Presentation Rooms, Academic Center
3 - 3:30 p.m.

Session I - Academic Center, Room 146
Faculty Evaluator: Dr. John Planer

The Lion and the Dwarf: An Exploration of the Subaltern in *A Song of Ice and Fire*
3:35 - 3:55 p.m.
**Sarah Carman** ............................................................... Class of ‘14
Major: English
Mentor: Dr. Beate C. Gilliar

An Overshadowed Minority: Recolonization of the Black Female in Contemporary Culture
4 - 4:20 p.m.
**Xunantunich Haley** ........................................................ Class of ‘14
Major: English
Mentor: Dr. Beate C. Gilliar

Dead Men Tell No Tales: Virginity and Maidenhood in *The Quest of the Holy Grail*
4:25 - 4:45 p.m.
**Marie Stump** ................................................................. Class of ‘15
Major: English
Mentor: Dr. Janina P. Traxler
Session II - Academic Center, Room 149
Faculty Evaluator: Dr. Jeff Osborne

Star Formation as a Result of Triggering in the Region of N90
3:35 - 3:55 p.m.
Miranda DeHart ........................................................ Class of ‘14
Major: Chemistry
Mentor: Dr. Christer G. Watson

Triggered Star Formation in Bubble N56
4 - 4:20 p.m.
Paula Rodriguez Ormaza............................................. Class of ‘15
Major: Engineering Science
Mentor: Dr. Christer G. Watson

Particle Detection Using Photomultipliers and Plastic Scintillators
4:25 - 4:45 p.m.
Emily Ehlerding.......................................................... Class of ‘14
Majors: Chemistry & Physics
Mentor: Dr. Christer G. Watson

Session III - Academic Center, Room 234
Faculty Evaluator: Dr. Jennifer Henriksen

Allelochemical Potential of Aesculus Glabra
3:35 - 3:55 p.m.
Megan Taylor............................................................. Class of ‘15
Major: Biology
Mentor: Dr. David J. Hicks

Analysis of Efficacy of Towel Drying Versus Air Drying in Removal of
Escherichia coli from a Washed Petri Dish
4 - 4:20 p.m.
Cally Miller .............................................................. Class of ‘17
Major: Biology
Mentor: Dr. Rachel E. Polando
Religiosity in Emerging Adulthood
4:25 - 4:45 p.m.

Betsy Varner ................................................................. Class of ‘14
Majors: Psychology, Religion, & Spanish
Mentor: Dr. Kathryn Eisenbise Crell

Session IV - Academic Center, Room 236
Faculty Evaluator: Dr. Andy Rich

Contribution to Wins as an Indicator of Pay in NBA Players
3:35 - 3:55 p.m.
Alexander Pierce ....................................................... Class of ‘14
Majors: History & Economics
Mentor: Dr. John L. Deal

Age Bias in Unemployment: A Regression Analysis
4 - 4:20 p.m.
Keith Kline ................................................................. Class of ‘15
Major: Accounting
Mentor: Dr. Sreenath Majumder

Cook the Books
4:25 - 4:45 p.m.
Katrin Muser ............................................................... Class of ‘14
Major: Sport Management
Mentor: Joe R. Messer

Session V - Academic Center, Room 238
Faculty Evaluator: Dr. C. Arturo Yañez

Imperialism and Racism: The Philippine-American War
3:35 - 3:55 p.m.
Brandon Curry ............................................................ Class of ‘14
Major: History
Mentor: Dr. Katherine A. Tinsley
Lost in Steerage  
4 - 4:20 p.m.  
**Brooke Walker** ........................................................................... Class of ‘15  
Major: History  
Mentor: Dr. Katherine A. Tinsley  

“Unser Rommel”: Field Marshall Erwin Rommel’s Successful Adaptation and Tactical Leadership of Desert Warfare  
4:25 - 4:45 p.m.  
**Cole Allison** ........................................................................... Class of ‘15  
Major: History  
Mentor: Dr. Katherine A. Tinsley  

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**Session VI - Academic Center, Room 241**  
**Faculty Evaluator: Dr. Michael Slavkin**  

Decreasing Performance Anxiety in Track Athletes Using Mindfulness  
3:35 - 3:55 p.m.  
**Allyson D. Smith** ........................................................................... Class of ‘16  
Major: Psychology  
Mentor: Dr. Russell G. Coulter-Kern  

The Effects of Prewriting Intervention on Test Anxiety  
4 - 4:20 p.m.  
**Louise Magiera** ........................................................................... Class of ‘14  
Major: Psychology  
**Ashley Landrum** ........................................................................... Class of ‘14  
Major: Psychology  
**Alivia Benbow** ........................................................................... Class of ‘15  
Major: Psychology  
Mentor: Dr. Russell G. Coulter-Kern  

Let’s Quit While We’re Behind  
4:25 p.m. - 4:45 p.m.  
**Wesley Heath** ........................................................................... Class of ‘14  
Majors: Sociology and Psychology  
Mentor: Dr. Robert B. Pettit
Session VII - Academic Center, Room 241  
Faculty Evaluator: Dr. Barb Burdge

Medieval Marriage Rituals  
3:35 - 3:55 p.m.  
Elizabeth Stull ................................................................. Class of ‘14  
Major: History  
Mentor: Dr. Mark J. Angelos

The Effects of the Negro Leagues  
4 - 4:20 p.m.  
Ryan Pohrte ................................................................. Class of ‘15  
Major: History & Educational Studies  
Mentor: Dr. Katherine A. Tinsley

Andrew Cordier: Influences on His Life  
4:25 - 4:45 p.m.  
Kelley Brenneman .......................................................... Class of ‘14  
Major: History  
Mentor: Dr. Katherine A. Tinsley

Session VIII - Academic Center, Room 358  
Faculty Evaluator: Dr. Rob Beckett

The Removal of Two Low-head Dams in the Eel River near North Manchester and Liberty Mills, Indiana: Ecological Response of Benthic Macroinvertebrates  
3:35 - 3:55 p.m.  
Emily Kostoff ................................................................. Class of ‘14  
Major: Biology  
Mentor: Dr. Jerry E. Sweeten

Eel River Ecosystem: Stream Response to Low-head Dam Removal  
4 - 4:20 p.m.  
Peter Bauson ................................................................. Class of ‘15  
Major: Environmental Studies  
Mentor: Dr. Jerry E. Sweeten
A 2014 Perspective on Pay-for-Play in College Athletics and the Legal Ramifications and Implications of Such Implementation
4:25 - 4:45 p.m.
Erik Russell ................................. Class of ‘15
Major: Sport Management
Mentor: Brad L. Nadborne

Session IX - Academic Center, Room 364
Faculty Evaluator: Dr. Sreenath Majumder

Protesting in the USA: Guerilla Journalism at Manchester University and Fort Benning, Georgia
3:35 - 3:55 p.m.
Andrew Ellam ................................. Class of ‘15
Major: Communications
Phillip Keim ................................. Class of ‘14
Major: Peace Studies
Ashley McClintic ................................. Class of ‘14
Major: Communication Studies
Timothy McConville ................................. Class of ‘15
Major: Communication Studies
Lance Shifferly ................................. Class of ‘16
Major: Communication Studies
Mentor: Dr. Judd A. Case

Paratext Equality: Watchmen
4 - 4:20 p.m.
Jacob Ray ................................. Class of ‘16
Major: English
Mentor: Dr. Stacy L. Erickson

Venison vs. Vegetables: Dietary Habits and Social Status in Elizabethan England
4:25 - 4:45 p.m.
Kaitlin Kemper ................................. Class of ‘14
Major: English
Mentor: Dr. Stacy L. Erickson
Effects of Whey Protein Supplements on Strength Increases

**Maureen Lund** ................................................................. **Class of ‘15**
Major: Exercise Science and Fitness
Mentor: Jeffrey A. Beer

A Case Study Presentation on a PCL Rupture in a Women’s Basketball Player: Surgical vs. Non-Surgical Treatment

**Jillian Bower** ................................................................. **Class of ‘14**
Major: Athletic Training
Mentor: Erin R. Foreman

A Case Study Presentation on a Blood Clot of the Right Subclavian Vein in a Women’s Volleyball Player: The Importance of Early Detection.

**MacKenzie Williams** .......................................................... **Class of ‘16**
Major: Athletic Training
Mentor: Erin R. Foreman

A Case Study on Tarsal Tunnel Syndrome with Complications in a Soccer and Softball Player

**Raymond Wilson** ............................................................... **Class of ‘15**
Major: Athletic Training
Mentor: Jeffrey A. Beer

Case Study Presentation on Paget-Schroetter in a Baseball Player

**Shelby Morphew** ............................................................... **Class of ‘15**
Major: Athletic Training
Mentor: Zachary J. Dougal

Examining the Mechanism Responsible for Recognition-induced Forgetting

**Brandy Leeper** ................................................................. **Class of ‘14**
Major: Psychology
Mentor: Dr. Ashleigh M. Maxcey
How Does Recognition-induced Forgetting in Children Appraise the Instructional Method of Schema Activation?

Jessica Bostic ................................................................. Class of ‘15
Major: Psychology

Ashley Kann ................................................................. Class of ‘15
Major: Psychology & Business

Zabrian Mills ................................................................. Class of ‘14
Major: Psychology
Mentor: Dr. Ashleigh M. Maxcey

Correlation Between Test Anxiety and Processing Speed

Travis Adkins ................................................................. Class of ‘14
Major: Psychology

Rowan Caylor ................................................................. Class of ‘15
Major: Psychology

Ashlee Duff ................................................................. Class of ‘16
Major: Psychology
Mentor: Dr. Russell G. Coulter-Kern

Motivating Factors of Successful Students

Rowan Caylor ................................................................. Class of ‘15
Major: Psychology
Mentor: Michael J. Martynowicz

Top 10 Events that Detract from Students’ Overall College Experience

Kyle Knepp ................................................................. Class of ‘14
Major: Psychology

Joe Hunter ................................................................. Class of ‘14
Major: Psychology
Mentor: Dr. Marcie L. Coulter-Kern

Intrusion Errors in Older Adults Induced by Recognition Practice

Ted Maldonado ................................................................. Class of ‘14
Major: Psychology
Mentor: Dr. Ashleigh M. Maxcey
What Students Wish Faculty Knew about Preparing them for Life After Graduation

**Hannah Glenn** ................................................................. **Class of ‘16**
Major: Psychology
Mentor: Dr. Marcie L. Coulter-Kern

Student Satisfaction and Course Assignments: What Students Really Want

**Jessica Hernandez** .......................................................... **Class of ‘14**
Major: Psychology
Mentor: Dr. Marcie L. Coulter-Kern

What do Students Want out of Residential Life and Campus Activities?

**Kailah Glock** ................................................................... **Class of ‘16**
Major: Psychology
Mentor: Dr. Marcie L. Coulter-Kern

Paired Watershed Study

**Trisha McClain** ................................................................. **Class of ‘14**
Major: Environmental Studies
Mentor: Dr. Jerry E. Sweeten

Assessment of *Escherichia coli*, and Physical, and Chemical Data in the Surface Waters of Weesau Creek and Squirrel Creek in the Middle Eel River Watershed in North Manchester, Indiana

**Brittany Ross** ................................................................. **Class of ‘14**
Major: Environmental Studies
Mentor: Dr. David P. Kreps

Effect of Vitamin A on Raw 264.7 Macrophage Cell Line upon Challenge with *S. aureus* and *E. coli*

**Elisia Ray** ........................................................................ **Class of ‘14**
Major: Biology-Chemistry
Mentor: Dr. Rachel E. Polando

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Graduate and Professional Student Poster Session - Lahman Room, Jo Young Switzer Center upper level
4:45 - 5:30 p.m.

Exploration of *Dithiolethiones* as Inducers of *Glutathione*: Implications in Neuroprotection
**Hitesh Mistry** ................................................................. Class of ‘16
Degree: Doctor of Pharmacy

**Quang Tran** ................................................................. Class of ‘16
Degree: Doctor of Pharmacy

**Kari M. Smith** .............................................................. Class of ‘17
Degree: Doctor of Pharmacy
Mentor: Dr. Dennis A. Brown

Evaluation of Student Expectations of Team Members and Teamwork
**Andrea Hopper** .............................................................. Class of ‘16
Degree: Doctor of Pharmacy
Mentor: Dr. Mary E. Kiersma

Analysis of the Effects of Changes to Anteroom Cleaning Procedures
**Justin Cornewell** ............................................................ Class of ‘16
Degree: Doctor of Pharmacy
Mentor: Dr. Mary E. Kiersma

Assessment of Health Profession Student Perceptions of Interprofessional Education
**Veronia Guirguis** ........................................................... Class of ‘16
Degree: Doctor of Pharmacy
Mentor: Dr. Mary E. Kiersma

Liposomal Delivery of *Minocycline* in Acute Ischemic Stroke Treatment
**Nsikak Ekanem** ............................................................. Class of ‘16
Degree: Doctor of Pharmacy
**Clement Sakyi** ............................................................ Class of ‘16
Degree: Doctor of Pharmacy
Mentor: Dr. Ningning Yang
Humor in the Pharmacy Classroom

Carmen Whitlock ................................................................. Class of ‘17
Degree: Doctor of Pharmacy

Audrey Rosene ............................................................... Class of ‘16
Degree: Doctor of Pharmacy

Portia Dixon ................................................................. Class of ‘17
Degree: Doctor of Pharmacy
Mentors: Dr. Robert Beckett and Dr. Lorin Sheppard

A Case Study Presentation on a Dislocated Subcondylar Fracture of the Mandible in an Intramural Football Player: The Importance of Immediate Medical Referral

Robert Perry ............................................................... Class of ‘14
Degree: Master of Athletic Training
Mentor: Erin R. Foreman
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Hoff and Lahman Rooms are located in the Jo Young Switzer Center upper level.
Reception and Awards

5:30 - 6 p.m.
Jo Young Switzer Center upper level rooms.
All are welcome.

Student Research Symposium Committee
Timothy M. Brauch, Chair
Marcie Coulter-Kern
Lynne F. Margolies
Ejenobo Oke
Christer Watson

Our sincere thanks to all of the people who worked hard to make this year’s Manchester University Student Research Symposium a success, including the student conveners, the faculty evaluators, the faculty mentors, Chartwells, and anyone else we may have missed!

A special thanks to Kathrine Dwyer, administrative assistant for Academic Affairs.

We recognize and appreciate your dedication to the students of Manchester University.