

15th
ANNUAL

STUDENT
RESEARCH
SYMPOSIUM



2013

Sponsored by
Glenn R. Sharfman
Vice President and Dean
for Academic Affairs

 **Manchester**
University

Manchester University Student Research Symposium

April 30, 2013

3:30 - 5 p.m.

SESSION I - Academic Center, Room 146

Faculty Evaluator - Anthony Cashio

Annexation of Hawai'i: Who Really Wanted It?

3:35 - 3:55 p.m.

BRENNA AUKER..... Class of '13

Major - History & Computer Science

Mentor - Katherine Tinsley

Fit in History: Changes in the Perceptions of Physical Fitness

4 - 4:20 p.m.

JAMES BARTH..... Class of '13

Major - History

Mentor - Katherine Tinsley

Congregational Political Sermons and the American Revolution: A

Natural Justification

4:25- 4:45 p.m.

ELIZABETH STULL..... Class of '14

Major - History

Mentors - Marjan Boogert & Katherine Tinsley

SESSION II - Academic Center, Room 149

Faculty Evaluator - Frank Olive

Listening to Quiet: Giving Introverts a Chance to Speak

3:35 - 3:55 p.m.

JESS RINEHART..... Class of '13

Major - Communication Studies

Mentor - Dave Switzer

*Cross-Cultural Communication in Business: A Comparative Study of
Managerial Communication*

4 - 4:20 p.m.

KATRIN MUSER..... Class of '15

Major - Sport Management

Mentors - Dave Switzer & Timothy Ogden

The Permissive Society and Labour Government in 1960s Britain

4:25 - 4:45 p.m.

ASHLIE BIDDLE..... Class of '13

Major - History

Mentor - Mark Angelos

SESSION III - Academic Center, Room 232

Faculty Evaluator - Michelle Calka

Venus, Cupid, Folly, and Time: Evidence of Mannerism's Genius

3:35 - 3:55 p.m.

AMANDA KEATING..... Class of '14

Major - Art

Mentor - Thelma Rohrer

Religion, Landscape, and Disease in German Renaissance Art

4 - 4:20 p.m.

FELICIA NICHOLS..... Class of '14

Major - Art

Mentor - Thelma Rohrer

Rhythmic Ambiguity in Fauré's Nocturne Opus 114, No. 1

4:25 - 4:45 p.m.

OSCAR ERWIN..... Class of '14

Major - Music Composition & Theory

Mentor - John Planer

SESSION IV - Academic Center, Room 234

Faculty Evaluator - John Deal

Hamlet's Morality in Text and Production

3:35 - 3:55 p.m.

EMILY KRABACH..... Class of '15

Major - English

Mentor - Stacy Erickson

Authors are Useless - A commentary on the motivation of readers and their ability to create a text's true meaning

4 - 4:20 p.m.

NICHOLAS SALUPO..... Class of '13

Major - Athletic Training & Biology-Chemistry

Mentor - Stacy Erickson

The Horned God: Resurrecting a New Masculinity

4:25 - 4:45 p.m.

SAMUEL OTT..... Class of '13

Major - Religion

Mentor - Kate Eisenbise

SESSION V - Academic Center, Room 236

Faculty Evaluator - Kim Duchane

Open Yet Closed: The Story of Ministerial Leadership in the Church of the Brethren

3:35 - 3:55 p.m.

TODD EASTIS..... Class of '14

Major - Sociology & Religion

Mentor - Walt Wiltschek

Medievalism, War, and Cheese: How Joan of Arc Inspires Nations

4 - 4:20 p.m.

SHANELL BRAZO..... Class of '14

Major - History

Mentor - Janina Traxler

Problems with the 1948 United Nations Convention on the Prevention and Punishment of Genocide

4:25 - 4:45 p.m.

KATY HERDER..... Class of '14

Major - Peace Studies

Mentor - Katy Gray Brown

SESSION VI - Academic Center 238

Faculty Evaluator - Mike Martynowicz

Students' Perceptions of Sexual Assault at a Small Liberal Arts College

3:35 - 3:55 p.m.

BRANDY LEEPER..... Class of '14

Major - Criminal Justice & Psychology

TRINITY SCHELICH..... Class of '15

Major - Psychology

Mentors - Rusty Coulter-Kern & Hannah Stork

Reasons Why Students Return to College: A Qualitative Analysis

4 - 4:20 p.m.

DEREK JONES..... Class of '13

Major - Psychology

Mentor - Rusty Coulter-Kern

ANDREW KURTZ..... Class of '13

Major - Psychology

Mentor - Rusty Coulter-Kern

SESSION VII - Academic Center, Room 241

Faculty Evaluator - Michael Slavkin

I-STEP or Misstep: Examining the Correlation between Students' Performance on Acuity Tests and the I-STEP

3:35 - 3:55 p.m.

JORDAN KINN..... Class of '13

Major - Early & Middle Childhood Generalist & Mild Interventions

Mentor - Heather Schilling

The Paradigm Shift: The Relativistic Approach of K-12 Social Studies

Education

4 - 4:20 p.m.

CHANDLER POGUE Class of '14

Major - History

DREW GRABER Class of '13

Major -Elementary & Secondary Education

Mentor - Heather Schilling

SESSION VIII - Academic Center, Room 354

Faculty Evaluator - Zach Dougal

The Effect of Smoking and Age on Oxygen Ventilatory Equivalents in

Sedentary Individuals

3:35 - 3:55 p.m.

MAKENNA HAMILTON Class of '14

Major - Athletic Training

LEE MELLING Class of '13

Major - Exercise Science & Fitness

Mentor - Mark Huntington

Effects of Environmental Temperature on Blood Pressure and Oxygen

Consumption During Exercise

4 - 4:20 p.m.

CHRISTINA GONZALEZ Class of '14

Major - Athletic Training

JACOB MEYER Class of '14

Major - Athletic Training

Mentor - Mark Huntington

The Effects of Energy Drink Consumption on Lactic Acid Formation

During Exercise

4:25 - 4:45 p.m.

ROBERT HERITZ Class of '14

Major - Exercise Science & Fitness

KYLE YODER Class of '14

Major - Exercise Science & Fitness

Mentor - Mark Huntington

SESSION IX - Academic Center, Room 356

Faculty Evaluators - Andy Rich

Research in Osteopathic Medicine: An Assessment on Examiner

Reliability of the SA-201 Instrument

3:35 - 3:55 p.m.

BRANDON BACCARI Class of '13

Major - Biology-Chemistry

Mentor - Rachel Polando

Square Achievement Game

4 - 4:20 p.m.

SARAH CARMAN Class of '14

Major - English

MARCUS WYATT Class of '14

Major - Mathematics & Computer Science

Mentor - Timothy Brauch

2012 Eel River Recreational Use Survey

4:25 - 4:45 p.m.

MATTHEW MILLER Class of '14

Major - Environmental Studies

Mentor - Matt Burlingame

SESSION X - Academic Center, Room 358

Faculty Evaluator - Sreenath Majumder

Genetic Characterization of the Chickadee Hybrid Zone in Northeast

Indiana

3:35 - 3:55 p.m.

BENJAMIN CLOUD Class of '13

Major - Biology & Environmental Studies

Mentors - Kristen Short & Jerry Sweeten

Redside Dace (Clinostomus elongatus) in Mill Creek, Wabash County, Indiana: A Strategy for Research and Augmentation

4 - 4:20 p.m.

AMBER MELICK Class of '13
Major - Biology & Environmental Studies
Mentor - Jerry Sweeten

Agonistic Behaviors of Male Deer Mice (Peromyscus maniculatus) and Their Investigation of Females Based on the Number of Females Present

4:25 - 4:45 p.m.

KELSIE BIGLIN Class of '13
Major - Biology
Mentor - Aron Costello

SESSION XI - Academic Center, Room 362

Faculty Evaluator - Kristen Short

Water Splitting in Photosystem II

3:35 - 3:55 p.m.

EMILY EHLERDING Class of '14
Major - Chemistry & Physics
Mentor - Christer Watson

Emissivity of β -Cloth after 8.6 Years Exposure to Low Earth Orbit

4 - 4:20 p.m.

ALYSSA LOOS Class of '13
Major - Physics
Mentor - Greg Clark

Fluorescent Carbon Nanodots: A Procedural Replication of a Green Synthesis from Soy Milk

4:25 - 4:45 p.m.

RODNEY TIGAA Class of '13
Major - Chemistry
Mentor - Kathryn Davis

SESSION XII - FIRST YEAR SEMINAR SESSION - Academic Center, Room 364

Faculty Evaluator - Leonard Williams

No Bones About it: The History of Joint Replacement

3:35 - 3:55 p.m.

BRIAN ANDERSON Class of '16
Major - Biology-Chemistry
Mentor - Beate Gilliar

From Bra Burning to Brief Cases and Stilettos: Have Women Really Advanced?

4 - 4:20 p.m.

KATHERINE SKEEN Class of '16
Major - Political Science & Economics
Mentor - Beate Gilliar

Jesus: Here and Now

4:25 - 4:45 p.m.

JACOB RAY Class of '16
Major - English
Mentor - Justin Lasser

SESSION XIII - FIRST YEAR SEMINAR SESSION - Academic Center, Room 369

Faculty Evaluator - Jeff Diesburg

Sexuality in Fairy Tales: Determining the Roles in "Little Red Riding Hood"

3:35 - 3:55 p.m.

RACHEL LAING Class of '16
Major - English & Language Arts Education
Mentor - Katharine Ings

Give Peace a Chance: Domestic Resistance to United States Militarism in Southeast Asia

4 - 4:20 p.m.

SAMUEL TORGERSON Class of '16

Major - Peace Studies

Mentor - Katy Gray Brown

Academic vs. Non-Academic Sources on Being Personally Creative

4:25 - 4:45 p.m.

EMILY PLEADWELL Class of '15

Major - Mathematics

Mentor - Jim Falkiner

SESSION XIV - POSTER SESSION - Speicher Room, upper Union
Faculty Evaluators -Arturo Yañez, Jeffrey Osborne

Group A - 3:30 - 3:50 p.m.

Identification of Pathogenic and Non-Pathogenic Skin Flora on Equipment Used by the Manchester University Football Team in the Fall of 2012

AUDREY DEITRICH Class of '13

Major - Biology

Mentor - Rachel Polando

Catalyst Processing and Analysis for Green Fuel Production

MACIE PRICE Class of '14

Major - Chemistry

Mentor - Susan Klein

Hedgehog Signaling Mediates Interferon-Gamma Induced Mesenchymal Stem Cell Proliferation and Recruitment to the Stomach

MATTHEW HELM Class of '13

Major - Biology

Mentor - Rachel Polando

Examination of Flute, Saxophone, and Trumpet for S. aureus, B. cerues, and N. mucosa

TIFFANY YORK Class of '14

Major - Biology

Mentor - Rachel Polando

Group B - 3:50 - 4:10 p.m.

The Last Time I Went to a Cocktail Party, I Lost My Poodle Skirt

JOEY HOLT Class of '13

Major - Psychology

ZABRIAN MILLS Class of '14

Major - Psychology

STEPHANIE WILSON Class of '13

Major - Psychology

Mentor - Ashleigh Maxcey-Richard

Parental Involvement and College Student Academic Success

ASHLEY LANDRUM Class of '14

Major - Psychology

LOUISE MAGIERA Class of '14

Major - Psychology

JOHN MCCALL Class of '14

Major - Psychology

Mentor - Marcie Coulter-Kern

Remembering the Get-Away Car Hurts Your Memory for the Robber: Retrieval-Induced Forgetting for Visual Images

DYLAN HINER Class of '13

Major - Psychology

TED MALDONADO Class of '14

Major - Psychology

JESSICA STAFFORD Class of '13

Major - Psychology

Mentor - Ashleigh Maxcey-Richard

The Relationship between Job Performance and Job Satisfaction in College Students

KAITLYN DEWITT Class of '13

Major - Psychology

MARGARET HESS Class of '13

Major - Political Science & Psychology

TAYLOR JANTZI Class of '15

Major - Psychology

MEGAN SPICE Class of '15

Major - Psychology

Mentor - Rusty Coulter-Kern

Group C - 4:10 - 4:30 p.m.

Analysis of Student Workbook Use in IPPE Community Pharmacy

EZZA IFTIKHAR Class of '16

Major - Doctorate of Pharmacy

Mentors - Ahmed Abdelmageed & Mary Kiersma

Assessment of Factors Affecting the Use of Instructional Instruments During Pharmacy Practice Experience

JUSTIN CORNEWELL Class of '16

Major - Doctorate of Pharmacy

Mentors - Ahmed Abdelmageed & Mary Kiersma

Evaluation of Workbook and Instrument Uses for IPPE and APPE Rotations in Pharmacy Schools

KIMBERLY PERKINS Class of '16

Major - Doctorate of Pharmacy

Mentors - Ahmed Abdelmageed & Mary Kiersma

Group D - 4:30 - 4:50 p.m.

A Case Study Presentation on Synovial Sarcoma in a Track Athlete

MAKENNA HAMILTON Class of '14

Major - Athletic Training

Mentor - Erin Foreman

The Effects of Vocal Cue-Training on Lie Detection

JESSICA BOSTIC Class of '15

Major - Psychology

ASHLEA KOEHL Class of '14

Major - Psychology

Mentor - Marcie Coulter-Kern

Applied Program Evaluation & Management: Manchester University Intramural Program

TYLER KREMPASKY Class of '13

Major - Sport Management

Mentor - Ryan Hedstrom

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Reception and Awards

5:15 - 6 p.m.
upper Union rooms
All are welcome.

Student Research Symposium Committee
Lynne F. Margolies, chair
Timothy M. Brauch
Ejenobo Oke

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 Katie Winkler, administrative assistant,
and Arturo Yañez, photographer.

We invite you to view the Manchester University 2013
Annual Juried Student Art Show on display in Link Gallery,
Otho Winger Hall.

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



Manchester
University