

21st ANNUAL Student Research Symposium

Friday, April 26, 2019
3:15 p.m.



Manchester
University

Sponsored by
the Office of
Academic Affairs

Academic Center and
Jo Young Switzer Center

Manchester University Student Research Symposium

Sponsored by the
Office of Academic Affairs
Friday, April 26, 2019
3:15 - 6:30 p.m.

Rooms open for Oral Presentations

3:15 p.m.

Programs available in Academic Center lobby

Student Ambassador: Laura Mayorga Majia

Oral Presentations

Academic Center

3:35 - 4:45 p.m.

Oral Presentations: Session I

Academic Center, Room 146

Faculty Evaluator: Dr. Arturo Yañez

Student Convener: Quantae Miller

Feminizing and Coloring Filipinos: American Media and the Philippines 1898-1902

3:35 - 3:55 p.m.

Zoe Vorndran..... Class of '19

Majors: History, English

Hometown: Fort Wayne, IN

Faculty Mentor: Dr. Uma Ganesan

Solving America's Democratic Problem

4 - 4:20 p.m.

Carson Fort..... Class of '19

Majors: Political Science, History

Hometown: New Paris, IN

Faculty Mentor: Dr. Uma Ganesan

The Pen is Mightier than the Sword: The Authors of Everlasting Life in Atonement and Sing, Unburied, Sing

4:25 - 4:45 p.m.

Zoe Vorndran..... Class of '19

Majors: History, English

Hometown: Fort Wayne, IN

Faculty Mentor: Dr. Katharine Ings



Oral Presentation: Session II

Academic Center, Room 234

Faculty Evaluator: Dr. Beate Gilliar

Student Convener: Charise Samuel

Renaissance Witches and Their Ties to Religion and Gender

3:35 - 3:55 p.m.

Jensen Lassiter Class of '19

Majors: History, English

Hometown: Roann, IN

Faculty Mentor: Dr. Mark Angelos

Erased: Afro-French Women and The Struggle for Visibility in a Colorblind Republic

4 - 4:20 p.m.

Chris Francois Class of '21

Majors: Peace Studies, French

Hometown: Port-au-Prince, Haiti

Faculty Mentor: Dr. Tara Smithson

“Fear God, Honor the King:” The Cult of King Charles the Martyr in Restoration England

4:25 - 4:45 p.m.

Nolan McBride Class of '19

Majors: History, Religious Studies

Hometown: Elkhart, IN

Faculty Mentor: Dr. Mark Angelos



Oral Presentation: Session III

Academic Center, Room 149

Faculty Evaluator: Dr. Tim McKenna-Buchanan

Student Convener: Taylor Aeschliman

A Marketing Research Study of How Schools Can Break through the Communication Gap in Rural Communities

3:35 - 3:55 p.m.

Delina Tewelde Class of '19

Major: Marketing

Hometown: Dubai, UAE

Kira Hall..... Class of '19

Majors: Marketing, Business Management

Hometown: Indianapolis, IN

Faculty Mentor: Dr. Sun Kang

The Role of Nrf2 Activation and the Importance of GHS in Neurodegenerative Diseases

4 - 4:20 p.m.

Samuel Tetteh-Quarshie Class of '19

Major: Biology-Chemistry

Hometown: Tema, Ghana

Faculty Mentor: Dr. Dennis Brown

“MU Recycles:” Improving the Recycling Program of a Higher Education Institution

4:25 - 4:45 p.m.

Amy Weeks Class of '19

Majors: Peace Studies, Environmental Studies

Hometown: Farmington Hills, MI

Faculty Mentor: Dr. Suzanne Beyeler



Oral Presentation: Session IV

Academic Center, Room 238

Faculty Evaluator: Ms. Beth Driscoll

Student Convener: Cale Hindman

The Debate about Responsibility and Blame in the Context of Addiction: Finding the Middle Ground

3:3 - 3:55 p.m.

Taryn Curie Class of '21

Majors: Psychology, Criminal Justice, Philosophy

Hometown: Goshen, IN

Faculty Mentor: Dr. Seth Mayer

Software Based Lock-in Amplification for Weak Light Signals

4 - 4:20 p.m.

Matthew Barbosa Class of '19

Major: Physics

Hometown: Portage, IN

Faculty Mentor: Dr. Christer Watson

Possible Interferents in Copper Soil Analysis for Phytoremediation

4:25 - 4:45 p.m.

Kendall Wrage Class of '22

Major: Chemistry

Hometown: Syracuse, IN

Faculty Mentor: Dr. Kathy Davis



Oral Presentation: Session V

Academic Center, Room 243

Faculty Evaluator: Mr. Jonathan Krull

Student Convener: Tabatha Lanning

The Language of the #OccupyICE Movement

3:35 - 3:55 p.m.

Caraline Feairheller Class of '19

Majors: Peace Studies, Political Science

Hometown: Kettering, OH

Faculty Mentor: Dr. Mary Lahman

Religious Persecution of Bahá'ís in Iran

4 - 4:20 p.m.

Jesse Langdon Class of '20

Majors: Peace Studies, Political Science

Hometown: Columbus, IN

Faculty Mentor: Dr. Elton Skendaj

Constructing Laws for Society

4:25 - 4:45 p.m.

Casey Schultz Class of '19

Major: Philosophy

Hometown: Fair Oaks, IN

Faculty Mentor: Dr. Seth Mayer



Oral Presentation: Session VI

Academic Center, Room 236

Faculty Evaluator: Dr. Jonathan Watson

Student Convener: Haley Farris

Systemic Immune Response Time in Unifoliate Soybean Leaves

3:35 - 3:55 p.m.

Shelby Bagby Class of '19

Major: Biology-Chemistry

Hometown: Indianapolis, IN

Faculty Mentor: Dr. Jennifer Robison

Comparing Male and Female Managers Using an Employee-Sourced Model of Managerial Effectiveness

4 - 4:20 p.m.

Connor Eichenauer Class of '19

Major: Psychology

Hometown: North Manchester, IN

Faculty Mentor: Dr. Jack Wiley



Undergraduate Poster Session

4:45 - 5:20 p.m.

Speicher/Lahman Room, Jo Young Switzer Center

Faculty Evaluators: Dr. Marcie Coulter-Kern, Dr. Uma Ganesan, Mr.

Jonathan Krull,

Dr. Shekher Mohan

Sociometric Popularity and its Effect on Mental Illness

Rocco Angone..... Class of '19

Major: Psychology

Hometown: Warsaw, IN

Faculty Mentor: Dr. Marcie Coulter-Kern

Effect of the Perceived Risk of Predation on the Foraging and Anti-Predator Behavior of Gray Squirrels (*Sciurus carolinensis*)

Sarah Astling Class of '20

Majors: Biology, Environmental Science

Hometown: Middlebury, IN

Naomi Deneke..... Class of '20

Major: Biology

Hometown: Addis Ababa, Ethiopia

Faculty Mentor: Dr. Aron Costello-Harris

First-Year Only Residence Halls and the Formation of Relationships

Madison Coy Class of '21

Major: Psychology

Hometown: Syracuse, IN

Lacy Walker Class of '20

Major: Psychology

Hometown: Mcdonough, GA

Taryn Curie Class of '21

Major: Psychology

Hometown: Goshen, IN

Faculty Mentor: Dr. Marcie Coulter-Kern

Predictors of Post-Graduate Success: A Descriptive Study of Manchester University Pre-Professional Students

Karly Eichenauer..... Class of '21

Major: Biology-Chemistry
Hometown: North Manchester, IN
Faculty Mentor: Dr. Kelsey-Jo Kessie

SFR6/MED16 and Arabidopsis

Brooke Hollenbaugh Class of '19

Major: Biology
Hometown: South Whitley, IN
Faculty Mentor: Dr. Jennifer Robison

The Effects of Mentoring and Pre-Term Orientation on First-Year College Students

Madison Kaylor Class of '20

Majors: Psychology, Educational Studies
Hometown: Hometown, IN

Kalyn Flora Class of '20

Major: Psychology
Hometown: Nappanee, IN

Brooke Mosbaugh Class of '21

Majors: Psychology, Philosophy
Hometown: Elwood, IN
Faculty Mentor: Dr. Marcie Coulter-Kern

The Effect of 4-Nonyphenol on DNA and Molting of Daphnia Magna

Jamie McBride..... Class of '19

Majors: Biology, Religious Studies
Hometown: Elkhart, IN
Faculty Mentor: Dr. Kristen Short

The Effect of Shared Political Identity on Empathic Responding and Observational Fear Learning

Ava McVey Class of '21

Major: Psychology
Hometown: Crystal Lake, IL

Greg Miller Class of '19

Major: Psychology
Hometown: North Manchester, IN
Faculty Mentor: Dr. David Johnson

Can't Stop Till You Get Enough: Do Smartphones Thwart Student Recovery?

Ava McVey Class of '21

Major: Psychology

Hometown: Crystal Lake, IL

TerraceUniq Johnson Class of '19

Major: Psychology

Hometown: Cincinnati, OH

Connor Eichenauer Class of '19

Major: Psychology

Hometown: North Manchester, IN

Jessica Evans Class of '21

Major: Psychology

Hometown: Lake Station, IN

E'mon Harris..... Class of '19

Major: Psychology

Hometown: Fort Wayne, IN

Faculty Mentor: Dr. Kelsey-Jo Kessie

Perceptions of Alcohol Usage and Students' Drinking Patterns Effect on Well-Being

Brittany Miller Class of '21

Major: Psychology

Hometown: Fort Wayne, IN

Ava McVey Class of '21

Major: Psychology

Hometown: Crystal Lake, IL

Taryn Curie Class of '21

Majors: Psychology, Criminal Justice, Philosophy

Hometown: Goshen, IN

Faculty Mentor: Dr. Marcie Coulter-Kern

Understanding the Recovery Process among Students: Effects of Procrastination and Achievement Motivation

Brittany Miller Class of '21

Major: Psychology
Hometown: Fort Wayne, IN

Brooke Mosbaugh Class of '21

Majors: Psychology, Philosophy
Hometown: Elwood, IN

Emma Ayers Class of '21

Major: Psychology
Hometown: Auburn, IN

Kalyn Flora Class of '20

Major: Psychology
Hometown: Nappanee, IN

Phillip Clesceri Class of '21

Majors: Psychology, Spanish
Hometown: Mason, OH

Taryn Curie Class of '21

Major: Psychology
Hometown: Goshen, IN

Sage Correll Class of '21

Major: Psychology
Hometown: Peru, IN
Faculty Mentor: Dr. Kelsey-Jo Kessie

The Impact of First-Year-Specific Residence Halls on Academic Success

Steven Grimes Class of '20

Major: Psychology
Hometown: Camby, IN

Elizabeth Russell..... Class of '21

Major: Psychology
Hometown: Columbia City, IN

Kasia Melham..... Class of '21

Major: Psychology
Hometown: Muncie, IN

Shakira Perez..... Class of '20

Major: Psychology
Hometown: Elkhart, IN

Kole Kelley..... Class of '21

Major: Psychology
Hometown: Decatur, IN
Faculty Mentor: Dr. Marcie Coulter-Kern

A Case Study Presentation on a Collegiate Football Player with a Fractured Patella: The Importance of Proper Diagnosis

Beth Schaefer Class of '19

Major: Athletic Training

Hometown: Fort Wayne, IN

Faculty Mentor: Ms. Erin Foreman

Graduate/Professional Poster Session

Biodegradable Polymeric Micelles for Tumor Selective Delivery of Irinotecan

Valentin Bogun Class of '20

Program: PharmD

Hometown: Fort Wayne, IN

Jerusah Okwoyo Class of '20

Program: PharmD

Hometown: Fort Wayne, IN

Mike Berna Class of '20

Program: PharmD

Hometown: Noblesville, IN

Faculty Mentor: Dr. Vaibhav Mundra

Neuroprotective Evaluation of Dithiolethiones in the PC12 cell line

Taylor Chatterson Class of '21

Program: PharmD

Hometown: Greenfield, IN

Faculty Mentor: Dr. Dennis Brown

Evaluation of Cytochrome P450-Mediated Metabolism of Butylone

Ping Lin Class of '20

Program: PharmD

Hometown: Terre Haute, IN

Joshua Appel Class of '19

Program: Pharmacogenomics

Hometown: Sioux City, IA

Faculty Mentor: Dr. Diane Calinski

Depression and How It Relates to Academic Performance in Pharmacy Students

Megan Sexton **Class of '20**

Program: PharmD

Hometown: Fort Wayne, IN

Nathan Schreiber..... **Class of '20**

Program: PharmD

Hometown: Fort Wayne, IN

Faculty Mentor: Dr. Tom Smith



Keynote Speaker

5:30 - 6 p.m.

The Effect of Rab11b on Actin Dynamics and the Adhesome

Nicole Weaver **Class of '20**

Major: Biology

Hometown: Fort Wayne, IN

Faculty Mentor: Dr. Cassie Gohn

Index

Name	Location	Time
Zoe Vorndran.....	Academic Center, Room 146	3:35 - 3:55 p.m.
Carson Fort	Academic Center, Room 146	4 - 4:20 p.m.
Zoe Vorndran.....	Academic Center, Room 146	4:25 - 4:45 p.m.
Jensen Lassiter.....	Academic Center, Room 234	3:35 - 3:55 p.m.
Chris Francois	Academic Center, Room 234	4 - 4:20 p.m.
Nolan McBride.....	Academic Center, Room 234	4:25 - 4:45 p.m.
Kira Hall	Academic Center, Room 149	3:35 - 3:55 p.m.
Delina Tewelde	Academic Center, Room 149	3:35 - 3:55 p.m.
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Kendall Wrage	Academic Center, Room 238	4:25 - 4:45 p.m.
Caraline Fearheller	Academic Center, Room 243	3:35 - 3:55 p.m.
Jesse Langdon.....	Academic Center, Room 243	4 - 4:20 p.m.
Casey Schultz.....	Academic Center, Room 243	4:25 - 4:45 p.m.
Shelby Bagby	Academic Center, Room 236	3:35 - 3:55 p.m.
Connor Eichenauer.....	Academic Center, Room 236	4 - 4:20 p.m.
Rocco Angone.....	Speicher Room	4:45 - 5:20 p.m.
Sarah Astling.....	Speicher Room	4:45 - 5:20 p.m.
Naomi Deneke.....	Speicher Room	4:45 - 5:20 p.m.
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Ping Lin	Speicher Room	4:45 - 5:20 p.m.
Joshua Appel	Speicher Room	4:45 - 5:20 p.m.
Megan Sexton.....	Speicher Room	4:45 - 5:20 p.m.
Nathan Schreiber.....	Speicher Room	4:45 - 5:20 p.m.
Nicole Weaver	Lahman Room	5:30 - 6 p.m.

Speicher and Lahman Rooms are located in the
Jo Young Switzer Center, upstairs

Student Research Symposium

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Office of Academic and Student Affairs
Friday, April 26, 2019
3:15 - 6:30 p.m

Master Itinerary

Academic Center

3 p.m.	Programs available in Academic Center lobby
3:15 p.m.	Rooms open to guests
3:35 - 3:55 p.m.	Oral Presentations, Various Rooms
4 - 4:20 p.m.	Oral Presentations, Various Rooms
4:25 - 4:45 p.m.	Oral Presentations, Various Rooms

Jo Young Switzer Center

4:45 - 5:20 p.m.	Poster presentations and refreshments, Speicher Room
5:30 - 6 p.m.	Student Keynote Presentation, Lahman Room
6 - 6:25 p.m.	Presentation of Awards
6:30 p.m.	Group Picture in Stairwell

2019 Student Research Symposium Committee

Dr. Katharine Ings, Professor of English, Chair
Dr. Dennis Brown, Associate Professor of Pharmaceutical Sciences
Dr. Sun Kang, Assistant Professor of Sport Management
Dr. Mary Lahman, Professor of Communication Studies
Dr. Young Lee, Professor of Mathematics
Kathrine Dwyer, representing Academic Affairs

Our sincere thanks to all the people who worked to make the 2019 Manchester University Student Research Symposium a success. Special thanks to our student conveners, faculty evaluators, faculty mentors and Chartwells catering. We recognize and appreciate your dedication to the students of Manchester University.

