

**CELEBRATION
OF SCHOLARSHIP**
& CREATIVE ACTIVITY
31st Annual Event
Program

Day 2, April 25, 2024

7:30 a.m. – 5:00 p.m.

Reeve Memorial Union

OFFICE OF
STUDENT
RESEARCH
&
CREATIVE
ACTIVITY



Schedule of Events

7:30 – 8:15 a.m. Registration and Exhibit Set Up	Reeve Union Ballroom 227
8:15 a.m. Welcome	Ballroom 227
8:30 a.m. – 4:00 p.m. Poster Exhibits	Ballroom 227
8:30 a.m. – 4:00 p.m. Visual Art Exhibits	Ballroom 227
8:30 – 10:00 a.m. Performance/Podium Presentations Session 1	Reeve 220
9:00 – 10:00 a.m. Performance/Podium Presentations Session 2	Reeve 209
9:00 – 10:30 a.m. Performance/Podium Presentations Session 3	Reeve 210
10:15 – 11:45 a.m. Performance/Podium Presentations Session 4	Reeve 209
1:00 – 2:00 p.m. Performance/Podium Presentations Session 5	Reeve 209
1:00 – 2:30 p.m. Performance/Podium Presentations Session 6	Reeve 210
11:00 a.m. – 1:00 p.m. Poster and Visual Art Presentations	Ballroom 227

Provost's Awards Reception

4:00 – 5:00 p.m. (doors open at 3:45)

Reeve Union Ballroom 227

Celebration of Scholarship and Creative Activity presenters,
other student scholars, faculty mentors and guests are invited.

Refreshments will be served.

**Join us in recognizing the
Celebration of Scholarship and Creative Activity award
winners, as well as other student scholars and their
faculty mentors.**

Performance/podium presentation Session 1 (8:30-10:00 a.m.)

Reeve 220

Interventions for Multiple Adverse Childhood Experiences

Lydia Medina, Social Work

Faculty Mentor: Paul Perales

Silent Struggles: Understanding the Mental Health Consequences of Online Racism and Microaggressions in the Digital Age

Temí Kayode-Ojo, Interactive Web Management

Faculty Mentor: Dr. Alphonso Simpson

The Places In Between: Photographing Gentrification and Segregation in Milwaukee's Harambee and Riverwest Neighborhoods

Willem Flaugher, Instrumental/General Music Education

Faculty Mentor: Thomas Leininger

Performance/podium presentation Session 2 (9:00-10:00 a.m.)

Reeve 209

Magical Themes in Musical Theater Repertoire

Holly Simpson, Music Education with a choral emphasis

Faculty Mentor: Dr. Anna Hersey

A Look Back to Look Forward: The Musical Genius of Black Composers

Jayden Flowers, Psychology

Faculty Mentor: Dr. Alphonso Simpson

Performance/podium presentation Session 3 (9:00-10:30 a.m.)

Reeve 210

Physical and structural properties of electrospun Zinc Oxide and Titania nanofibers

Connor Jensen, Chemistry

Faculty Mentor: Dr. Nenad Stojilovic

Understanding the Degradative Potential of Mycolicibacterium sp. RJGII-135

Ellison Nabi, Chemistry and Environmental Health

Faculty Mentor: Dr. Sabrina Mueller-Spitz

Identifying the role seed mucilage plays in seed germination under drought stress

Sheldon Schroeder, Biomedical Science

Faculty Mentor: Dr. Jessica Lucas

Performance/Podium presentation Session 4 (10:15-11:45 a.m.)

Reeve 209

“You Know What I Am”: A Systematic Analysis of Gendered Ethnography in Higher Education

Frankie Kerkhof, Anthropology

Faculty Mentor: Dr. Heidi Nicholls

Preservice Teacher Candidates and the Effects of Paid Clinical Experiences on Preparedness in the Classroom

Grace Peterson, Special Education (Early Childhood)

Faculty Mentor: Dr. Stacey Skoning

Stay Inside the Lines: The Effects of European Paradigm Domination on Black Women in Social Media

Phyllip McKnight-Donald, Sociology

Faculty Mentor: Dr. Alphonso Simpson

Performance/Podium presentation Session 5 (1:00-2:00 p.m.)

Reeve 209

Damaged Goods: The Negative Effects of Social Media on Black Male/Female Relationships

Lexy Simpson, Human Services Leadership

Faculty Mentor: Dr. Alphonso Simpson

Facial Recognition of Differently Occluded Faces

Lorena Reid, Sarah Gillespie, Emily Merten, Lexy Gorges, Psychology

Faculty Mentor: Dr. Justyna Olszewska

Performance/Podium presentation Session 6 (1:00-2:30 p.m.)

Reeve 210

Exploring the Nexus: Economic Disparities, Institutional Void, and Socio-Economic Equality in Black America

Josiah Benjamin, Human Service Leadership

Faculty Mentor: Dr. Alphonso Simpson

Dirty Hands Make for Dirty Data: How AI and Predictive Policing Make Way for Racial Bias and Discrimination

Makaylee Stewart, Psychology

Faculty Mentor: Dr. Alphonso Simpson

Creating and Teaching Bowings for String Instruments

Rebecca Briesemeister, Music Education and Violin Performance

Faculty Mentor: Dr. Katherine Decker

Poster 1

The effect of technology on life satisfaction: Case study of elderly population in Oshkosh

David Makar, Psychology

Faculty Mentor: Dr. Sarinda Taengnoi Siemers

Poster 2

State-level Effects of Crisis Intervention Training on Lethal Use of Force by Police

Faith Lee, Nursing

Faculty Mentor: Dr. Jeremiah Bohr

Poster 3

Racial and Ethnic Concordance between Latino Patients and Healthcare Providers in the American Midwest

Juan Padilla Mendez, Biomedical Science and Spanish

Faculty Mentor: Dr. Maria Graf

Poster 4

Advance Care Planning and Goals of Care Discussions

Hope Sievert, Doctor of Nursing Practice, Family Nurse Practitioner

Faculty Mentor: Dr. Molly Schumacher

Poster 5

Laboratory Life Cycle Maintenance of the Soft Tick *Ornithodoros tartakovskyi*

Adam Sobieski, Microbiology, Biomedical science

Faculty Mentor: Dr. Michelle Michalski

Poster 6

An idiopathic erosive lesion on the surangular of *Allosaurus fragilis* with comparisons to common tyrannosaurid pathologies

Alicia Laycock, Geology

Faculty Mentor: Dr. Joseph Peterson

Poster 7

Difference in long-term performance after a training program with stim vs stim-free pre-workout

Ayanna Priestley, Isabella Bruder and Madison Eberle, Kinesiology

Faculty Mentor: Dr. Brian Wallace

Poster 8

Mutagenesis of a Sterol Uptake Protein in Yeast

Breanna Menzia, Microbiology

Faculty Mentor: Dr. David Krause

Poster 9

Microbiota transfer from a fattening hibernator triggers weight gain but not metabolic inflammation in outbred mice

Catherine Washak, MSc - Microbiology

Faculty Mentor: Dr. Courtney Kurtz

Poster 10

A first survey of the chemoreceptors in the longhorned beetles

Cody Kessler, Rachel Rush, Biomedical

Faculty Mentor: Dr. Robert Mitchell

Poster 11

Balance Performance Under Single- and Dual-Task Conditions Using A Mobile Application

Cooper Krokstrom, Rehabilitation Science

Faculty Mentor: Dr. Kyle Petit

Poster 12

Green Chemistry in Novel Organic Chemistry Reactions

Daisy Wilson, Biology and Psychology

Faculty Mentor: Dr. Brant Kedrowski

Poster 13

Design of Heptadentate Ligands for Selective Coordination of Mn(II)

Dominik Dempsey, Ben Croft, Paige Schmallerberg, Dole Nguyen, Biomedical sciences

Faculty Mentor: Dr. Sheri Lense

Poster 14

RR Lyrae Properties Within the Large Magellanic Cloud Globular Clusters

Emily O'Leary, Physics

Faculty Mentor: Dr. Barton Pritzl

Poster 15

Proposed conservation of function in the Kinesin 7 motor proteins in Arabidopsis thaliana from Kingdom Animalia

Emma Smith, Biology

Faculty Mentor: Dr. Jessica Lucas

Poster 16

Graph Theory: Peg Solitaire

Fatima Muniz, Math

Faculty Mentor: Dr. Linda Eroh

Poster 17

Wisconsin Forensic Anthropological Cold Case Investigation

Gloria Eddy, Grace Zeronis, Anthropology

Faculty Mentor: Dr. Jordan Karsten

Poster 18

Does artificial seed mucilage increase germination success of native Wisconsin plants?

Haven Powell, Mackenzie Charles, Biology

Faculty Mentor: Dr. Laura Ladwig

Poster 19

Geographic Variation in Parasite Communities of Wisconsin Amphibians

Kailey Freund, Biology

Faculty Mentor: Dr. Michelle Michalski

Poster 20

Indigenous Garden Project

Kendra White, Environmental Studies

Faculty Mentor: Dr. Margaret Huettl

Poster 21

Germination requirements of Wisconsin prairie plants and how they relate to production of seed mucilage.

Mackenzie Charles, Haven Powell, Biology

Faculty Mentor: Dr. Laura Ladwig

Poster 22

Balance and Postural Control of Hearing Impaired vs Non-Hearing Impaired Pre-Pubescent Children

Melissa Doersch, Rehabilitation Science

Faculty Mentor: Dr. Brian Wallace

Poster 23

IoT Facilitated mmWave Sensing Platform for Simple Gesture Recognition

Paul Price, Electrical Engineering Technology

Faculty Mentor: Dr. Ahmed Nasif

Poster 24

Rocket Launch: Design, Applications, and Lessons Learned

Peter Berry, Physics, mechanical engineering technology

Faculty Mentor: Dr. Barton Pritzl

Poster 25

Petrographic Study of Metamorphic Minerals in Northern Wisconsin

Piper Novy, Geology

Faculty Mentor: Dr. Benjamin Hallett

Poster 26

Growth Curves of Lager Yeast

Robert Lewandowski, Biology

Faculty Mentor: Dr. David Krause

Poster 27

Monitoring Bird Window Collisions at UWO

Stephanie Losse, Biology (ecological emphasis), Environmental Science

Faculty Mentor: Dr. Misty McPhee

Poster 28

How Social Media affects Self-Esteem

Anna McKenzie, Sociology

Faculty Mentor: Dr. Jeremiah Bohr

Poster 29

The Birds, the Bees, and the STDs

Cora Strand, Sociology

Faculty Mentor: Dr. Jeremiah Bohr

Poster 30

Richard T. Ely's Census of Public Utilities

Kaleb Walter, Economics and Finance

Faculty Mentor: Dr. Marianne Johnson

Poster 31

Belonging and Engagement on a Two-Year College Campus

Logan White, History

Faculty Mentor: Dr. Erin DeMuyneck

Poster 32

The Ideal College in Current Students' Perception

Lorena Reid, Psychology

Faculty Mentor: Dr. Justyna Olszewska

Poster 33

Social Service Work for At-Risk Youth: Biggest Stressors Experienced, the Effect on their lives, and Coping Strategies

Makaylee Stewart, Psychology

Faculty Mentor: Cordelia Bowlus

Poster 34

Determinants of General Health Status in the Midwest

Meagan McDowell, Amber Graf and Nicole Markofski, Psychology

Faculty Mentors: Dr. Amy Knepple Carney and Dr. David Lishner

Poster 35

Does This Count As Phubbing? The Role of Bias and Attributions on Perceptions of Phone Usage During Face-to-Face Conversations

Olivia Klessig, Brook Branscombe, Ashely Plageman, Peyton Sherry, Communication Studies

Faculty Mentor: Dr. Ryan Allred

Poster 36

Inequality's Impact: Exploring Socioeconomic Influences on Mental Health in the Upper Midwest

Sophie Hagey, Rachel Kosakowski, Psychology

Faculty Mentors: Dr. Amy Knepple Carney and Dr. David Lishner

Poster 37

Commuter Student Mobilities

Travis Kurowski, Psychology

Faculty Mentor: Dr. Erin Demuynck

Poster 38

Exploring the Development of Pragmatic Politeness in Familial Relations; When Excuses Fail as Rapport Management Strategies

Elijah Plonsky, English

Faculty Mentor: Dr. Margaret Hostetler

Poster 39

Characterization of Mutations in the Small Protein MntS and the Manganese Exporter MntP in Escherichia coli

Kylee Moore, Biomedical Science

Faculty Mentor: Dr. Lauren Waters

Visual Art Presentations (11 a.m.–1 p.m.)

Reeve Union Ballroom

Animal Abstracts

Willem Flaughter, Instrumental/General Music Education

Faculty Mentor: Thomas Leininger