



2023

# Student Symposium

Spotlighting  
Student Success



dedication

perseverance

stellar

creativity showcase

determination

Dear Students and Faculty,

Welcome and thank you for participating in Stark State College's Student Symposium, designed to enrich and showcase our students' academic achievements and technical skills. Thank you for taking the time and putting forth the effort and initiative to participate in this event to celebrate *your* academic excellence.

Activities such as the Student Symposium complement your work in the classroom; enhance critical thinking, communication and presentation skills; demonstrate a level of project management skills; and provide another opportunity to develop academically and professionally. An added and equally valuable benefit is the opportunity to work closely with our dedicated faculty, who have impressive academic credentials and professional experience to share with our students. This experience will serve you well in your career and/or further education.

Thank you for investing the extra time and work in your education and success!

Sincerely,



Para M. Jones, Ph.D.  
President  
Stark State College



## Keynote Speaker

**Katie Gamby, LPCC-S, LSCC, CWC**

Dr. Katie Gamby is a licensed professional clinical counselor supervisor, certified wellness counselor, professional life coach and yoga instructor.

She holds a doctorate degree in counselor education and a master's degree in clinical mental health counseling.

Dr. Gamby is the director and associate professor in the graduate counseling program at Malone University. She has specialized training in EMDR, a trauma-informed practice, and internal family systems

Dr. Gamby works with those who have experienced anxiety and related disorders, stress, spiritual/religious abuse, religious/spiritual disillusionment/deconstruction, grief/loss, LGBTQ+ individuals and stress/life transitions. She moved her practice, The Wellife, from Toledo to her new location in North Canton.

# Agenda

- 8-8:40 am **registration and poster set up**  
M100
- 9-9:10 am **opening remarks**  
Para Jones, PhD, President  
Silk Auditorium
- 9:15-10:15 am **SESSION I**  
oral presentations-B103, B106, B108, B109, B111  
performance-M101
- 10:20-11:20 am **SESSION II**  
demonstrations-M101  
oral presentations-B103, B106, B109, B111
- 11:25-12:00 pm **SESSION III**  
posters-M100
- 11:45-12:25 pm **intermission**  
lunch  
music by Zacharia Simon  
atrium
- 12:25-12:45 pm **keynote speaker**  
Dr. Katie Gamby, LPCC-S, LSCC, CWC  
Silk Auditorium
- 12:45-1 pm **awards**  
recognition of Honors Program graduates  
closing remarks  
Lada Gibson-Shreve, PhD, Provost and  
Chief Academic Officer  
Silk Auditorium

# Student Presentations

*\*denotes member of the Honors Program*

## SESSION I

### PERFORMANCE - M101

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Michaela Rich\*, Victoria Monaco, Blake Knore,  
Anastasia Ciobanu, Caleb McAllister, and Dominic Lancianese  
*Stark State College*

#### ***13 Ways to Screw Up Your College Interview***

9:15-10:05 // M101

Advisor: Robert Berens

### ORAL PRESENTATIONS - B103

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Anna Curtis  
*Stark State College*

#### ***Diabetes Mellitus Type 1: Physiological Pathways***

9:15-9:35 // B103

Advisor: Annissa Langworthy

Erin LaRose  
*Stark State College*

#### ***Schizophrenia***

9:45-10:05 // B103

Advisor: April Cunion

### ORAL PRESENTATIONS - B106

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Antonio Carosielli  
*Stark State College*

#### ***Deep Dive into the Psychological Effects of Podcasts***

9:15-9:35 // B106

Advisor: Karen Padrutt

Landon Angel  
*Stark State College*

#### ***The Beauty of Film***

9:45-10:05 // B106

Advisor: Karen Padrutt

## ORAL PRESENTATIONS - B108

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Kayla Haines

*Stark State College*

***A Look Into The Microbial World of Clostridium Botulinum***

9:15-9:35 // B108

Advisor: Nathan Miller

## ORAL PRESENTATIONS - B109

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McKayla Wymer\*

*Manchester, grade 12*

***How Elite Sports Teaches Resilience, Discipline, and Hard Work***

9:15-9:35 // B109

Advisor: Karen Padrutt

Karissa Yoder

*Stark State College*

***What is "The Coffee Shop Effect?" Explore and Discover the Enticing Nature Behind Coffee Shops***

9:45-10:05 // B109

Advisor: Karen Padrutt

## ORAL PRESENTATIONS - B111

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Ella George\*

*Stark State College*

***From Concrete Jungle to Urban Oasis: Promoting Conservation and Protection of Urban Biodiversity***

9:15-9:35 // B111

Advisor: Curtis Clevinger

Juli Merkle and Alyssa Gaynor

*Stark State College*

***The Synthesis of 5-Phenyl-2-hydroxyacetophenone through Microwave-Assisted Suzuki Coupling***

9:45-10:05 //B111

Advisor: Amy Jo Sanders

## SESSION II

### DEMONSTRATION-M101

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Savana Whitten, Cora Dotts, Maggie Lesiecki, and Gemma Dotts  
*Claymont High School*

***The Impact of Facility Dogs on Student Learning  
and Leadership: A Student's Perspective***

10:20-11:10 // M101

Advisor: Heather Dotts

### ORAL PRESENTATIONS-B103

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Curtis Williams and Michaela Tucker\*  
*Stark State College*

***Food Insecurity: On a Local Level***

10:20-10:40 // B103

Advisor: Florian Haiduc

Rachel Fox

*Stark State College*

***Study of Macroinvertebrates in the Cuyahoga River***

10:50-11:10 // B103

Advisor: Curtis Clevinger

### ORAL PRESENTATIONS - B106

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David Gregory

*Stark State College*

***How Briefing and Debriefing Help Make Diverse Teams  
More Successful***

10:20-10:40 // B106

Advisor: Chip Gerstenslager

Cheryl Twineham

*Stark State College*

***The Nefarious Pizza Man: The Making of a Sound Design***

10:50-11:10 // B106

Advisor: James Leatherbarrow

## ORAL PRESENTATIONS - B109

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Sarah Crist

*Stark State College*

***Effects of Social Media on the Human Brain***

10:20-10:40 // B109

Advisor: Anthony Incarnato

Heidi Hodges

*Homeschool, grade 10*

***A Story Behind Oireachtas***

10:50-11:10 // B109

Advisor: Karen Padrutt

## ORAL PRESENTATIONS - B111

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Jacob Anderson and Tia Gardinier

*Stark State College*

***3-Nonenoic Acid Synthesis***

10:20-10:40 // B111

Advisor: Amy Jo Sanders

Max Ciarlariello\* and Morgan Munro

*Stark State College*

***Inquiry into Less Harmful Derivatives of Proparacaine***

10:50-11:10 // B111

Advisor: Amy Jo Sanders

## SESSION III

### POSTERS - M100

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Katherine Barnes and Andrew Paumier-Hathaway

*Stark State College*

***Conversion of Triglycerides Extracted from Spent Coffee into Biodiesel via the Transesterification Pathway***

Advisor: Amy Jo Sanders



Emily Boda and Cayla Drake

*Stark State College*

***Green Synthesis of an Ester***

Advisor: Amy Jo Sanders

Tori Dudek and Kayla Grubb

*Stark State College*

***2- Methycinnamaldehyde Friedel Craft Reaction to Form Indenes***

Advisor: Amy Jo Sanders

Ishita Kopparapu

*Hathaway Brown, grade 11*

***3D Human Stem Cell Model for Neural Development***

Advisor: James Costanzo

Alex Minor

*GlenOak High School, grade 10*

***How Does the Style of Composting Affect Plant Growth?***

Advisor: Dori Hess

Millie Parks

*Stark State College*

***Intermittent Explosive Disorder***

Advisor: Kristine Deeken

Zander Thompson

*Stark State College*

***Cyber-Physical Concerns Surrounding Autonomous Vehicles***

Advisor: Glenn Goe

Curtis Williams and Michael Acheampong

*Stark State College*

***Ammonolysis of Methyl Salicylate to form Salicylamide***

Advisor: Amy Jo Sanders

# Thank you

## **Music**

Zacharia Simon

## **Volunteers**

Tiffany Archer / Derek Arnold / Danette Bosh Alexander, PhD  
Kim Bartholomew / Ebru Buyuktanir, PhD / Lori Caughey  
Danielle Cordes / April Cunion, SciD / Paul Custer, PhD  
Helen Dauka / René Eneix / Laura Gargus / Chip Gerstenslager  
Kathy Ison / Florian Haiduc / Khadija Khazafi, PhD  
Nicholas Kincaid / Jill Kohler / Shari Kosec  
James Leatherbarrow, PhD / Christian Lopez  
Helen Mandalinich / Megan Minder / Elizabeth Modarelli  
Krystal Nash / Therese Revlock, EdD / Catherine Rock, PhD  
Kevin Ryan, DPM / Amy Jo Sanders, PhD / Amy Shriner  
Jennifer Smith / Eugene Starr / Beth Williams / Paul Wells

## **University and Business Partners**

Franklin University  
University of Mount Union  
Baldwin Wallace University  
Malone University  
The University of Akron  
Kent State University at Stark  
Walsh University  
Spectrum - Brittany Hancock and Brandon White

## **Special Thanks**

Jo Monroe / Dan Schweitzer / Kate Backur  
Career Services / Computer Services  
Facilities and Maintenance / Marketing Department  
Security / Stark State College Culinary Arts

# We're glad you came

Plan to join us next year at  
Stark State College's Annual Student Symposium.

## **Symposium Presented by Honors Program Oversight Committee (HPOC)**

Danette Bosh Alexander, PhD, Dean  
Jennifer Smith, Chair  
Paul Custer, PhD, Vice-Chair  
Tiffany Archer  
Claudia Barr  
Ebru Buyuktanir, PhD  
Lori Caughey  
Chip Gerstenslager  
James Leatherbarrow, PhD  
Helen Mandalinich  
Krystal Nash  
Therese Revlock, EdD  
Kerry Stanziano  
Andrew Stephan, PhD, Dean  
Paul Wells

## **Symposium Committee Chair** Krystal Nash





**Stark State**  
COLLEGE

[starkstate.edu/symposium](http://starkstate.edu/symposium)