



2024

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.

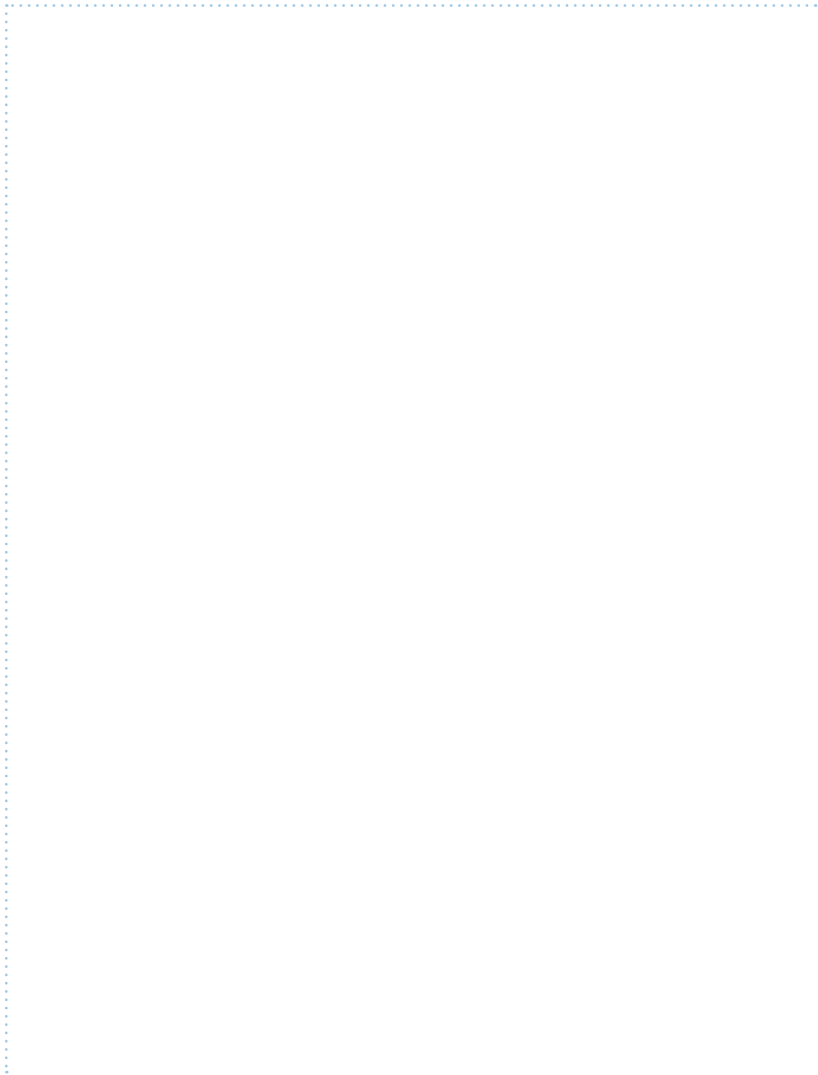
Activities such as the Student Symposium complement your work in the classroom; enhance critical thinking, communication and presentation skills; demonstrate a level of project management skills; and provide another opportunity to develop academically and professionally. An added and equally valuable 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



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Keynote Speaker

Kathy Catazaro Perry

Kathy Catazaro Perry is the executive director for Community Building Partnership. She served as mayor of Massillon from 2012-2023. Prior to that role, Kathy served as the council representative for Massillon's Third Ward for eight years.

Kathy co-founded the Golden Key Center for Exceptional Children, where she served as executive director for Operations and Medically Fragile Care. She also founded the American Elite "American Idols," a special needs cheerleading team, where she also coaches. Other previous roles include director of Weight Management at Aultman Hospital and director of the Wound Healing Center at the former Doctors Hospital.

Kathy holds a master's degree in business administration from Walsh University, a bachelor's degree in business management from Malone University, and an associate degree in science (RN) from Stark State College. She is also a graduate of the 23rd class of Leadership Stark County, as well as the Leadership Stark County Local Government Academy.

Current board memberships: Aultman's Woman's Board / Rolling Panthers (board president) / Stark Mental Health and Addiction Recovery / Whole Latte Love Café

Current community memberships: Massillon Quota International / Massillon Woman's Club / Stop Heroin from Killing Committee / Walsh University Women's Committee

Past memberships: Community Health Foundation of Massillon (chairperson) / Massillon Boys & Girls Club / Massillon Homeless Task Force / OneOhio Recovery Foundation (vice president, local board) / Stark County Library Foundation / Stark Development Board of Trustees / Strengthening Stark Governance Board

Honors: Athena Leadership Award (2014) / Gaetano Mattioli Cecchini Humanitarian Award / Malone University Leadership Excellence Award (2014) / MDF Harold Bostic Award (2022) / NSME Accent on Excellence Award (2022) / Ohio Public Image Award / Person of the Year, About magazine (2020) / Rabbi John Spitzer Leadership Award / Rotarian of the Year / Stark County Board of Developmental Disabilities Lifetime Achievement Award / Stark State College Alumni Hall of Fame / VFW Post 3124 Special Recognition for Exceptional Service (2014) / YWCA Woman's Hall of Fame (2014, Community Service)

Agenda

- 8-8:45 a.m. **registration and poster set up**
M100
- 9-9:10 a.m. **opening remarks**
Silk Auditorium
- 9:15-10:05 a.m. **SESSION I**
performance - M101
oral presentations - B100, B102, B103, B106,
B109, B111
- 10:15-11:05 a.m. **SESSION II**
demonstration - M101
oral presentations - B100, B103, B106, B109, B111
- 11 a.m.-noon **SESSION III**
poster presentations - M100
- 11:45 a.m.-12:25 p.m. **intermission**
lunch
music by Zacharia Simon
Atrium
- 12:25-12:45 p.m. **keynote speaker**
Kathy Catazaro Perry
Silk Auditorium
- 12:45-1 p.m. **awards**
recognition of Honors Program graduates
closing remarks

Student Presentations

**denotes member of the Honors Program*

SESSION I

PERFORMANCE – M100

Anastasia Ciobanu, Tessa Tournoux, Ian Reynard,
Salma Abueteen, Garrett Ashley
Stark State College

A Presentation of Short Comedies

9:15-10:05 a.m. // M100

Advisor: Robert Berens

ORAL PRESENTATIONS – B100

Curtis Williams, Michael Paulen
Perry High School, Grade 12, Stark State College
***Equilibria of Cobalt Complexes with Methanol and
2-Propanol Determined Through a Matrix-Based
Deconvolution Study of UV-Visible Spectra***

9:15-9:35 a.m. // B100

Advisor: Amy Jo Sanders, Ph.D.

Nadia Watts-Jackson
Jackson High School, Grade 12
Exploring the Importance of Racial Representation

9:45-10:05 a.m. // B100

Advisor: Kathryn Stone

ORAL PRESENTATIONS – B102

Amaya Moore
Stark State College
Emotional Storytelling

9:15-9:35 a.m. // B102

Advisor: Karen Padrutt

ORAL PRESENTATIONS – B103

Millie Parks

Stark State College

Complex Regional Pain Syndrome and Occupational Therapy

9:15-9:35 a.m. // B103

Advisor: Sadi Ray

Kayla Haines

Stark State College

***The Caregivers Compass: Navigating Schizophrenia
Relapse Prevention***

9:45-10:05 a.m. // B103

Advisor: Elizabeth Ann Slater

ORAL PRESENTATIONS – B106

Nevaiah Mayle

Lehman Early College High School, Grade 12

Thoracic Outlet Syndrome

9:15-9:35 a.m. // B106

Advisor: Nathan Miller, Ph.D.

Angela Ortolani

Stark State College

Rupture of Calcaneal Tendon

9:45-10:05 a.m. // B106

Advisor: Nathan Miller, Ph.D.

ORAL PRESENTATIONS – B109

Serenity Pollard

Hoover High School, Grade 9

Open Your Eyes to Color

9:15-9:35 a.m. // B109

Advisor: Lindsay McCann

Olivia Latherow

Stark State College

Erb's Palsy

9:45-10:05 a.m. // B109

Advisor: Nathan Miller, Ph.D.

ORAL PRESENTATIONS – B111

Madison Eshelman

Stark State College

Stable Minds, Stronger Souls

9:15-9:35 a.m. // B111

Advisor: Karen Padrutt

Christopher D'Attoma

Stark State College

Social Media and its Impact on Modern Guitar

9:45-10:05 a.m. // B111

Advisor: Karen Padrutt

SESSION II

DEMONSTRATION – M100

Emma Hamilton, Susie Thomas, Soleil Ortiz, Emma Zawaski,

Samirah Karam

St. Vincent-St. Mary High School, Grade 10

Pride and Prejudice: Choose Your Own Adventure Story

10:15-11:05 a.m. // M100

Advisor: Nick Fiedler

ORAL PRESENTATIONS – B100

Damonique Blake

Stark State College

***A Look into the Anatomy of Carpal Tunnel Syndrome
via Cadaveric Dissection***

10:15-10:35 a.m. // B100

Advisor: Nathan Miller, Ph.D.

Maria Bennett

Stark State College

Finding Solutions: Racism and Mental Health

10:45-11:05 a.m. // B100

Advisor: Anthony Incarnato

ORAL PRESENTATIONS – B103

Owen Hoopes

Stark State College

What is Dungeons & Dragons?

10:15-10:35 a.m. // B103

Advisor: Karen Padrutt

Ngozi Emeka-Ogbonna

Stark State College

Total Ankle Replacement Surgery

10:45-11:05 a.m. // B103

Advisor: Nathan Miller, Ph.D.

ORAL PRESENTATIONS – B106

Sarah Crist

Stark State College

The Significance and Effects of Physical Therapy

10:15-10:35 a.m. // B106

Advisor: Anthony Incarnato

Gabrielle Knaflich

Stark State College

Learning to Write and Get Help

10:45-11:05 a.m. // B106

Advisor: Jennifer Smith

ORAL PRESENTATIONS – B109

Carter Sterling

GlenOak High School, Grade 11

Balloon Degradation in Ocean Systems

10:15-10:35 a.m. // B109

Advisor: Dori Hess

Kyle Krueger

Stark State College

Chronic Regional Pain Syndrome

10:45-11:05 a.m. // B109

Advisor: Nathan Miller, Ph.D.

ORAL PRESENTATIONS – B111

Avery Romain

Stark State College

Beyond the Filter: Examining the Effects of Social Media on Youth

10:15-10:35 a.m. // B111

Advisor: Karen Padrutt

Alexandra Corke

Stark State College

From Soil to Succession

10:45-11:05 a.m. // B111

Advisor: Karen Padrutt

SESSION III

POSTERS – M100

Madeline Alberts

Woodridge High School, Grade 12

Wolbachia-Induced Cytoplasmic Incompatibility

Advisor: James Gillahan

Dana Aramouni*, Ellie Gardinier

Stark State College

Investigating Dental Polymers Using ATR-FTIR Analysis

Advisor: Ebru Buyuktanir, Ph.D.

Kennetha Cooper, Marisa McClain

Stark State College

Aldol Condensation of Vanillin and Acetone

Advisor: Amy Jo Sanders, Ph.D.

Cadence Mya Dungan, Michael Paulen

Stark State College

Synthesis of Chalcone Intermediate and Further Michael Addition Between Chalcone and Ethyl Acetoacetate

Advisor: Amy Jo Sanders, Ph.D.

Ian Greathouse, John Bennett
Stark State College
***Presence of Melanoidins in Medium
and Dark Roast Coffees***
Advisor: Amy Jo Sanders, Ph.D.

Calvin Goshe, Sajak Rimal
Stark State College
Colors of Quinacridone
Advisor: Amy Jo Sanders, Ph.D.

Elliot Hartley
Stark State College
Could Dye Affect the Base Polymer of Lego Pieces?
Advisor: Amy Jo Sanders, Ph.D.

George Hennigan, Abigail McCauley
Stark State College
***Capstone Experiment: Lactam Synthesis
Through the Kinugasa Reaction***
Advisor: Amy Jo Sanders, Ph.D.

Beth Hodges, Ryan Warstler
Stark State College
Planned Unit Development Design
Advisor: Nader Abueteen

Sarah Humphrey, Camille Ciarlariello
Green High School, Stark State College
***Analyzing Specific Rotation of Chiral Fructose,
Glucose, and Corn Syrup***
Advisor: Ebru Buyuktanir, Ph.D.

Danielle Kozlowski
Stark State College
Analysis of a SNP causing Von-Hippel Lindau Syndrom
Advisor: Beth Albrecht, Ph.D.

Tyler Legere, Maria Grutzmacher
Stark State College

Isopropyl Benzoate Synthesis: Transesterification of Methyl Benzoate with an Unconventional Catalyst

Advisor: Amy Jo Sanders, Ph.D.

Victoria Martinez, Emma Jundi
Woodridge High School, Grade 12

Wolbachia-Induced Feminization

Advisor: James Gillahan

Ashleigh Moorer, Amour Khalid
Stark State College

Synthesis of Acetaminophen Through an Ammonolysis Reaction

Advisor: Amy Jo Sanders, Ph.D.

Annemarie Pace, Trevon Anderson
Stark State College

Determining the Specific Heat of an Unknown Metal and Measuring the Enthalpy of a Neutralization Reaction

Advisor: Amy Jo Sanders, Ph.D.

Olivia Putnam
Jackson High School, Grade 12

The Chemistry of Eating Plant-Based

Advisor: Kathryn Stone

Mari Sarafian, Kelly Ciancio
Stow-Munroe Falls High School, Woodridge High School, Grade 12

Proteinaceous Infectious Particles

Advisor: James Gillahan

Richard Shaffer, Isaiah Ulrich*
Stark State College

Ruff Degradation, AKA Reverse Kilani-Fischer Synthesis

Advisor: Amy Jo Sanders, Ph.D.

Thank you

Music

Zacharia Simon

Volunteers

Beth Albrecht, Ph.D. / Tiffany Archer / Sarah Bradford
Danette Bosh Alexander, Ph.D. / Ebru Buyuktanir, Ph.D.
Lori Caughey / Helen Dauka / Kristine Deeken
Amber Keene / Khadija Khazafi / Nicholas Kincaid
Sarah Klink / Jill Kohler / Amy Lane / Vince Lombardi
Christian Lopez / Elizabeth Modarelli
James Leatherbarrow, Ph.D. / Ryan Moton
Therese Revlock, Ed.D. / Kevin Ryan, D.P.M.
Amy Jo Sanders, Ph.D. / Jennifer Sells
Jason Smith / Jennifer Smith / Andrew Stephan, Ph.D.
Patty Weller / Paul Wells / Beth Williams

Special Thanks

Para Jones, Ph.D. / Lada Gibson Shreve, Ph.D.
Career Services / Jo Monroe
Computer Services / Physical Plant
Marketing and Communications / Security

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, Ph.D., Dean

Jennifer Smith, Chair

Paul Wells, Vice-Chair

Tiffany Archer

Claudia Barr, Ph.D.

Theresa Benning

Ebru Buyuktanir, Ph.D.

Lori Caughey

Nicholas Kincaid

James Leatherbarrow, Ph.D.

Therese Revlock, Ed.D.

Andrew Stephan, Ph.D., Dean



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