2023
Faculty and Student Research Conference

Mercer University
Atlanta Campus
Administration & Conference Center

Saturday, April 15th, 2023
10am - 3pm

Sponsored By:
The Office of the Provost
The College of Professional Advancement
Welcome to the 13th annual Atlanta Faculty and Student Research Conference. In this program, you will find information about the different research projects and presenters, including presentation times and locations.

With 100+ presenters representing various colleges and disciplines across our campuses, we are proud to showcase the great research happening throughout the University!

### Conference Schedule Overview

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:30-10:00</td>
<td>Registration</td>
</tr>
<tr>
<td>10:00-10:55</td>
<td>Awards &amp; Opening Address</td>
</tr>
<tr>
<td>10:55-11:30</td>
<td>Poster Session 1</td>
</tr>
<tr>
<td>11:40-12:10</td>
<td>Lecture Session 1 (15 &amp; 30 minute talks)</td>
</tr>
<tr>
<td>12:10-12:45</td>
<td>Lunch</td>
</tr>
<tr>
<td>12:50-1:20</td>
<td>Poster Session 2</td>
</tr>
<tr>
<td>1:30-2:00</td>
<td>Lecture Session 2 (15 &amp; 30 minute talks)</td>
</tr>
<tr>
<td>2:00-2:40</td>
<td>Poster Session 3</td>
</tr>
</tbody>
</table>
OPENING REMARKS, SWILLEY LIBRARY RESEARCH AWARDS & OPENING ADDRESS
10:00 - 10:55

2nd Floor Auditorium

1. Opening Remarks. Welcome and thank you to all presenters and attendees.

   Presiding. Dr. Cameron Miller, Conference Planning Committee Chair, Associate Professor of Psychology, College of Professional Advancement.

   Welcome. Dr. Priscilla Danheiser, Dean, College of Professional Advancement.

2. 2023 Swilley Library Student Research Awards Presentation.

   Presenter: Kim Eccles, Associate Professor and Assistant Dean for Research Services, Swilley Library.


   Runner Up: Tanvi Karve, College of Pharmacy. Exploration of Physical and Chemical Enhancement Strategies for Transdermal Delivery of Linagliptin.

3. Opening Address. Research at Mercer: The Importance of Scholarship Among Faculty and Students. Dr. Wayne Glasgow, Senior Vice Provost for Research, Mercer University.
1. PA School Applicant Perception of Virtual Interviews. Shannon Jackson, Damian Bedoya, Joy Moverley, Anuradha Mathur, Amy Vu, Kristen Grippe, & Corinne Alois, College of Health Professions.


5. Updates in the Diagnosis and Treatment of Gonococcal Arthritis. Emily Muliero & Suzanne Nelson, College of Health Professions.


7. Pembrolizumab (Keytruda) for the Primary Care Physician Assistant. Karlyn Suggs & Erin Lepp, College of Health Professions.

8. Does Poor Quality of Sleep Negatively Affect the Mental Health in Collegiate Athletes?: CAT. Taylor Rain & Rachel Le, College of Health Professions.


10. The Effects of Pre-operative Rehabilitation on Anterior Cruciate Ligament Recovery: A Critically App. Tanner Hamby & Rachel Le, College of Health Professions.

11. The Effects of Anterior Cruciate Ligament Injuries on Psychological Outcomes: A CAT. Titania Lester & Rachel Le, College of Health Professions.


18. The Antiepileptic Effects of N, N-Dipropyltryptamine in a Mice Model of Fragile X Syndrome. Richa Tyagi, College of Pharmacy.


23. How Does Yoga Impact Those with Anxiety Disorders? Lauren Walsh, College of Professional Advancement.

24. Effects of Post Traumatic Stress Disorder on Overall Life Satisfaction. Necole Gonsahn & Merrin Oliver, College of Professional Advancement.


26. Assessment of the Newly Implemented Epic EHRs at the AHF Lithonia facility. Sandy Thai Lu & Awatef Ben Ramadan, College of Professional Advancement.

27. The Effect of a Modification to the Computerized Provider Order Entry (CPOE) to Identify Patients at Risk of Severe COVID-19 Based on Smoking Status. Mohammad Alkhatib & Awatef Ben Ramadan, College of Professional Advancement.


---

LECTURE SESSION 1
11:40 – 12:10

30 minute talks:

ACC 175 (11:40-12:10)
The Medical Problem with Smith County Georgia. Henry Heard, College of Health Professions.

ACC 555 (11:40-12:10)
Rehabilitation of a Recreational Golfer Following Tumor Excision and Radiation to the Thigh. Nathan Arnett, Jeffrey Lewandowski, Kenneth Wessel, & Ann Lucado, College of Health Professions.

ACC 240 (11:40-12:10)
Serious Mental Illness and the Counseling Student: Too Serious to Teach? Hanna Cespedes, College of Professional Advancement.
15 minute talks:

ACC 181 (11:40-11:55)

ACC 181 (11:55-12:10)
The Importance of Physical Therapy Treatment for a 40-year-old Individual with an Acute Diagnosis of a Diffuse Intrinsic Pontine Glioma (DIPG). Emma Thompson & Niamh Tunney, College of Health Professions.

ACC 182 (11:40-11:55)
Applied Practice Experience: Community Health Worker (CHW) Training Curriculum. Stacia Wilson & Vasantha Kasinathan, College of Health Professions.

ACC 182 (11:55-12:10)
Parenting Style and Patterns of Racial Socialization Practices. Gail Kemp, College of Health Professions.

ACC 243 (11:40-11:55)
South Asian Mental Health in the US. Hibbah Agha, College of Professional Advancement.

ACC 243 (11:55-12:10)
Supervision Issues Related to Telehealth. Christy Waters & Michelle Shlafman, College of Professional Advancement.

ACC 280 (11:40-11:55)
PEGCAPPSULE Application Development Project for Aging and Special Patient Populations. Kimberly Lancaster & Awatef Ben Ramadan, College of Professional Advancement.

ACC 280 (11:55-12:10)

LUNCH
12:10 - 12:45
2nd Floor Atrium
2nd Floor Atrium


3. How Injection Drug Use is Changing the Face of Infective Endocarditis. Christine Rardin & Henry Heard, College of Health Professions.


5. How to Recognize and Appropriately Manage ADHD in Children and Adolescents. Katherine Kennedy, College of Health Professions.


9. Policy Proposal to Improve Policies to Support the use of Postpartum Care for Up to a Year. Vasantha Kasinathan, Mellanese Cobb, Tatyania Gardner, Carly Johnson, Cathony Reid, & Desiree Smith, College of Health Professions.


11. A Titrated Approach to Dizziness. Hannah Francis & Lisa Dickerson, College of Health Professions.

13. Hide and Seek: Where is the Melanoma? Valery Dinh & Catherine Sadowski, College of Health Professions.


15. Graduate Student Academic Anxiety. Michele Carmichael, Hayley Lovelace, & Raven Scott, College of Professional Advancement.

16. BDSM/Kink Counselor Competence Scale. Oriema Ewo & Deondra Curry, College of Professional Advancement.


25. Formulation of Polymeric Nanoparticles of Lurasidone for Transdermal Delivery to Treat Schizophrenia. Ariana Radmard & Ajay Banga, College of Pharmacy.


27. Skin Microporation Approaches for N-acetylcysteine Delivery as an Antidote for Arsenical Injury. Sharvari Kshirsagar, Amruta Dandekar, Ritesh Kumar Srivastava, Mohammad Athar, & Ajay Banga, College of Pharmacy.

28. Enhancing Transdermal Delivery of Lamotrigine for Improved Epilepsy Treatment. Meheli Ghosh & Ajay Banga, College of Pharmacy.

---

LECTURE SESSION 2
1:30 - 2:00

30 minute talks:

ACC 175 (1:30-2:00)
Utilizing CBT Strategies to Promote Anti-Racism Ally Persistence: A Proof of Concept. Gail Kemp, College of Health Professions.

ACC 280 (1:30-2:00)
Am I Worthy to Wear White? Stained by Stigma as a Disabled Upcoming Medical Student. Kimberly Lancaster, College of Professional Advancement.
LECTURE SESSION 2
1:30 - 2:00

30 minute talks:

ACC 555 (1:30-2:00)
Discovering One's (Inter) Cultural Identity. Arla Bernstein, College of Professional Advancement.

ACC 240 (1:30-2:00)

15 minute talks:

ACC 181 (1:30-1:45)

ACC 181 (1:45-2:00)

ACC 182 (1:30-1:45)
The Effect of COVID-19 Pandemic on the Use of Health Information Technology Such as Telehealth. Aqsa Arshad & Awatief Ben Ramadan, College of Professional Advancement.

ACC 182 (1:45-2:00)
A Foucauldian Discourse Analysis of Educator Certification in Georgia. Caleb Land, Tift College of Education.

ACC 243 (1:30-1:45)
To Test or Not to Test? SAT/ACT Scores as a Predictor of Student Success. John Wilson Gordon, Tift College of Education.

ACC 243 (1:45-2:00)
2nd Floor Atrium


7. Early Sepsis Detection and Treatment: The Use of Biomarkers in Hospital Settings. Cayley Merritt & Leanne Martinelli, College of Health Professions.

8. The Psychological Impact of Type 1 Diabetes: Disturbed Eating Behaviors in Female Adolescents. Reagan Balog & Arlene Salmon, College of Health Professions.

10. Disparities and Social Determinants of Health Visualization in Columbus, Georgia. Mandana Malyani, Mikeisha Oldson, Vyjayanti Kasianathan, Mary Catherine Bertulfo, & Kirsten Beasley, College of Health Professions.

11. The Effects of Adult Learners Balancing School and Work Life. Whyeethia Respress, Julia Meltinord, & Kala Thompson, College of Professional Advancement.

12. The Effects of Food Insecurity in Middle Georgia Households. Christina Stump & Rosalind Davis, College of Professional Advancement.


14. How Does the Transition from Military to Civilian Life Affect the Rate of Homelessness Among Veterans in Atlanta, GA? Freddie W. Pelzer III, Kathy Taylor, Crystal Jackson, & Rachel Dunn, College of Professional Advancement.

15. The Effects of Rehabilitation for Substance Addiction on Young Adults. Mercy Ogbo, College of Professional Advancement.

16. Coaches Perspective to Supporting Student-Athlete Mental Wellness. Scott Bassett & Deana Ford, Tift College of Education.

17. Effects of Keeping a Reading Log on Reading Comprehension and Motivation. Jessica Jang, Tift College of Education.


23. Integrating Assessment Mapping & Feedback Reports to Support Learning Outcomes in a Pharmacy Course. Taylor Justice, Renee Hayslett, & Reid Proctor, College of Pharmacy.


27. COVID-19 Impact on Breast Cancer Patients. Ashley Mathieson, Samantha Meadows, & Justice McCray, Georgia Baptist School of Nursing.

Thank you for attending the 2023 Atlanta Research Conference!
Thank you to all of the presenters and volunteers who helped make this a great event. Thank you to Jeff Waldrop, Vice Provost for the University Libraries, for his support of the annual Research Award; to College of Professional Advancement’s Dean Danheiser; and finally to the Senior Vice Provost for Research, Dr. Wayne Glasgow, for his support of this Conference!

I’d also like to extend a special thank you to several people who volunteered their time to review submissions and support the event in some capacity. This year’s conference planning committee included: Dr. Erin Lepp in the College of Health Professions, Dr. Nadar Moniri in the College of Pharmacy, Dr. Rob Helfenbein in the Tift College of Education, Prof. Florence Tang with the Swilley Library, Dr. Arnab Nayak with the Stetson-Hatcher School of Business, Dr. Sonique Sailsman with the Georgia Baptist School of Nursing; and Dr. Suneetha Manyam, Dr. Awatef Ben Ramadan, Dr. Stephen Ruegger, and Prof. Ming Hii, in the College of Professional Advancement.

Cameron A. Miller, Ph.D.
Chair, Department of Human Services and Psychology
College of Professional Advancement

Thank you for joining other students and faculty members from all of the colleges and schools on the Atlanta campus and Regional Academic Centers for the Mercer Atlanta Research Conference. Each of our faculty members strives to encourage scholarly development of our students that will prepare them for lives of meaning and for informed, ethical leadership in their chosen fields.

We believe that honing our students’ capacities for inquiry, critical thinking, analysis, synthesis, collaboration, and problem solving is critical to achievement of this outcome. To that end, we offer this conference to showcase these capacities, to provide a venue for the practice of these capacities, and to celebrate our students’ and our faculty’s scholarly work. I want to express my sincere appreciation to Dr. Cameron Miller, Chair of the Department of Human Services and Psychology and Associate Professor of Psychology, for his leadership of this conference.

Priscilla R. Danheiser, Ph.D.
Dean, College of Professional Advancement
ACC Building: 1st and 2nd Floor Plans with Room Numbers

ACC 1st Floor

ACC 175
ACC 181
ACC 182
ACC 183

Thank You for attending the 2023 Faculty and Student Research Conference!

ACC 2nd Floor

Entrance from Main Campus (North Lot)

Rm 280

Rm 245

2nd Floor Atrium (All Poster Sessions)

Rm 243

Rm 240

Note: Internal stairs do not connect 1st and 2nd floors; only the elevator and external stairs do.