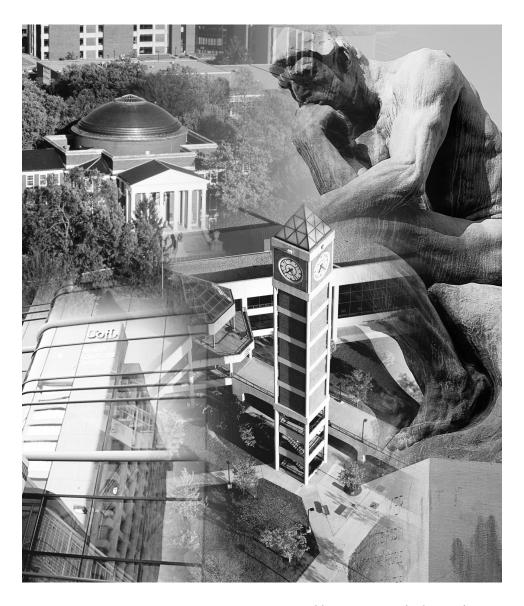


# DOCTORAL HOODING & GRADUATION CEREMONY

December 15, 2023

LOUISVILLE.



Fall 2023 Celebration

December 15, 2023



# The Academic Regalia

The tradition of gowns and hoods being worn as academic regalia at graduation ceremonies stems from a distinctive style of academic dress that emerged in the first universities in Europe in the twelfth century. The style was influenced by the fact that masters and scholars at that time were usually members of the clergy. For example, in 1222 at the Council of Oxford, the Archbishop of Canterbury ordered English clerics to wear the cappa clausa — a closed, flowing gown based on a lay fashion of the period. As a result, this garment came to be regarded as academic dress for university masters who, as clerics, wore it. Later, when the clergy neglected the rule in general, the garment was recognized as an exclusively academic one.

The pileus, a common headdress of medieval laymen, was adopted by the Church at the Synod of Bergamo (1311) and became typical headwear at the universities. The caps and tams worn by faculty are a direct descendant of the pileus. The pileus quadratus, or square cap, is today's mortarboard worn by most graduates.

The hood as an academic vestment originated from the cowl worn by monks in the Middle Ages as protection against inclement European weather. It was worn over a short cape known as a tippet, and had a tail, known as a liripipe, which was used to pull the hood over the head and then was wrapped around the throat to keep the hood in place. Today the tippet remains as part of the hood and, although the hood is never worn on the head, the liripipe is retained as the funnel-shaped hood.

The tradition of wearing the hood hanging down the back is said to be derived from the practice of medieval monks, many of whom were solicitors in the King's Court, who used the bag-like hanging hood as a "contribution bowl" for clients and well-wishers. Early scholars used the hood to collect the fees for lectures.

Colors have long been significant in denoting different academic disciplines and, more recently, levels of scholastic achievement. Standard gowns of different shape, length and sleeve design indicate the degrees of Bachelor, Master and Doctorate. The robes of the President, Provost, Chair of the Board of Trustees, and Grand Marshal represent the office, not the degree.

In the hoods of the faculty, the color of the border indicates the type of degree, while the lining of the hood shows colors of the university that bestowed the degree.

### **Hoods and Tassels**

The distinctive colors in the hoods and the tassels of the caps accord with the following:

Audiology	Spruce Green
Business	Drab
Dentistry	Lilac
Education	Light Blue
Engineering	Orange
Information Sciences	Gold
Law	Purple
Liberal Arts	White
Library Science	Lemon
Medicine	Kelly Green
Music	Pink
Nursing	Apricot
Philosophy	Dark Blue
Public Administration	Peacock Blue
Public Health	Salmon Pink
Science	Gold
Social Work	Citron

# The Guy Stevenson Award for Excellence in Graduate Studies

Olalekan Tunde Adepoju
Ph.D. English/Rhetoric and Composition
Mentor: Professor Bronwyn Williams

The Guy Stevenson Award for Excellence in Graduate Studies honors a former dean of the Graduate School and is presented to an outstanding doctoral degree recipient who has demonstrated excellence in both scholarship and leadership within the discipline and has made significant contributions to teaching and/or service. Olalekan Adepoju is the recipient of this year's Stevenson award and, as such, serves as the Graduate School's outstanding student, carries our banner for the Hooding and Commencement ceremonies, and delivers the student speech for the Hooding ceremony.

Olalekan Adepoju received his Ph.D. in English/Rhetoric and Composition from the University of Louisville in Summer 2023, where he specialized in composition studies, transnationalism, and writing center studies. His dissertation is titled "Difference in/at the Center: A Transnational Approach for Mobilizing International Graduate Writers' Writing Assets during Writing Instruction." Before coming to UofL, he received his M.A. in English Language from the University of Ibadan, Nigeria (2015) and his B.A. in English Language and Education from the University of Ilorin, Nigeria (2012).

Olalekan's research has been published or is forthcoming in journals such as *Rhetoric Review, Writing Center Journal, The International Journal of Multidisciplinary Perspectives in Higher Education,* and *The UNIUYO Journal of Humanities,* as well as in three edited collections. He has also presented his research at national and international conferences in rhetoric and composition, including the Conference on College Composition and Communication, the International Writing Centers Association, the National Conference on Peer Tutoring in Writing, and the Southeastern Writing Center Association Conference.

At the University of Louisville, Olalekan was a Graduate Teaching Assistant in the English Department for four years from 2019 through 2023, teaching courses in first-year composition and business writing. He also worked as a consultant in the University Writing Center, where he also served as the Assistant Director for Graduate Student Writing from 2020 to 2022. His service to the University of Louisville includes serving as the Graduate Ambassador for the Graduate School; Graduate Student Coordinator of the Discourse and Semiotics Workshop (College of A&S); and as review editor for Cardinal Compositions, UofL's online journal for undergraduate writing. Dr. Bronwyn Williams, his dissertation mentor and his supervisor at the Writing Center, ends his nomination by saying,

"Finally, I want to mention Olalekan's commitment to being an active citizen of our department, the university, and the profession.

He served in several departmental and university mentoring programs, volunteered to help with local conferences, and also read as a reviewer for journals and conferences. On top of all this he also found time to volunteer as a language instructor for refugee families through Kentucky Refugee Ministries."

Olalekan's writing and research has been recognized with many research, travel, and teaching awards, including a research grant from the Graduate Network in Arts & Sciences (2022); a Multicultural Association of Graduate Students research grant (2022); a Bedford New Scholar Award from Macmillan Learning (2022); a Presidential Diversity Supplement Award (2022); a Ben Raforth Graduate Research Grant (2022); an Academic Merit Award from the National Conference on Peer Tutoring in Writing (2021); and a HASTAC Scholar award from the Humanities, Arts, Science, and Technology Alliance and Collaboratory (2020-22).

Dr. Olalekan Adepoju began working as a faculty member at the College of Staten Island this Fall, after completing his Ph.D. this past summer.

# The John Richard Binford Memorial Award

Belinda Joyce Petri
Ph.D. Biochemistry and Molecular Genetics
Mentor: Professor Carolyn Klinge

Belinda Petri is the recipient of the John Richard Binford Memorial Award, which honors a former chairman of the Department of Psychology. This award recognizes a doctoral degree recipient who excels in scholarship and has contributed to other areas within the discipline such as leadership, teaching, or service.

Belinda took a different path to doctoral studies in Biochemistry and Molecular Genetics than most students. After raising a family directly after high school, she returned to school at the age of 40, earning a B.S. in Biology with a minor in Chemistry from Indiana University Southeast, where she first participated in basic science research. She then entered the research lab of Dr. Carolyn Klinge in the Department of Microbiology and Immunology at the University of Louisville, a lab focused on the study of estrogen action and genomic/transcriptional regulation in breast cancer.

In her nomination letter, Dr. Klinge wrote that Belinda was an exemplar for all graduate students in the doctoral program. "Her leadership within our graduate program includes her service as the departmental representative on the graduate student council, where she served on the grant review committee making decisions on the distribution of funds designated to support graduate student research. She has demonstrated leadership among her fellow graduate students by sharing resources and providing guidance regarding experimental design and data analysis as well as courses, studying for exams, and other aspects of graduate school. She organized her 'entering class peers' to initiate an informal study group to prepare themselves for our comprehensive examination (Exam 2) and then to mentor subsequent 'classes' of graduate students in a similar manner. Belinda organized networking events to help foster a sense of community of graduate students within our department, including hosting students in our department to her home." Additionally, Belinda has mentored three high school students and three medical students, working to develop in them the capacity for critical thinking, technical precision, and thorough, robust data analysis.

Belinda's long-term research goals include investigating the role of epitranscriptomics, also called RNA modifications, in the regulation of gene expression in human disease and developing improved computational methods for identifying RNA modifications and their roles in human biology. She is particularly interested in understanding epitranscriptomics in the context of endocrine resistance in estrogen receptor  $\alpha$  positive (ER $\alpha$ +) breast cancer and extending those methods to other human pathologies.

Belinda has accepted a post-doctoral position with Dr. Eric Rouchka in the KY INBRE Bioinformatics Core here at the University of Louisville in order acquire the skills required to apply computational methods for the analysis of biological data, including genomics, proteomics, transcriptomics, and metabolomics data.

# The John M. Houchens Prize for Outstanding Dissertation

Affan Affan
Ph.D. Electrical Engineering
Mentor: Professor Tamer Inanc

Affan Affan is the winner of the John M. Houchens Prize, which honors a former registrar of the university and is awarded to the doctoral student who presents the most meritorious dissertation for the current commencement

Affan Affan received the B.S. degree in electrical engineering from COMSATS University Islamabad (CUI), Pakistan, in 2017, and the M.S. degree from Lahore University of Management Sciences (LUMS), Pakistan, in 2019. He was a Summer Research Student at Technische Universitat Kaiserslautern, Germany, in 2018 and 2019. He began his doctoral program in 2020 at the University of Louisville in the Department of Electrical and Computer Engineering, where he was awarded the Outstanding Graduate Student Award (2022), and an NSF Travel award (2021).

Affan's Ph.D. dissertation, "Adaptive Personalized Drug Delivery Method for Warfarin and Anemia Management: Modeling and Control," is about developing a clinical decision support system for personalized precise drug dosing using system identification, feedback control, and reinforcement learning theories. Affan's faculty mentor, Tamer Inanc. said this research is an important step toward achieving personalized medicine. More specifically, many drugs have a narrow therapeutic window, high toxicity, or are affected by patients' genetic makeup and/or disease progression. The variety and complexity of medications used for the treatment of diseases are also increasing. Because of the complexities listed above, drug dosing is often imprecise. Moreover, these complexities are potentially magnified in chronic disease settings where the treatment of a disease is complicated by patient diversity, multiple medication use, and comorbidities. Thus, finding an optimal drug dose for an individual patient can be very challenging and requires a trial-and-error approach, which can be time-consuming and lead to over- and under- dosing and an increase in significant adverse events. The field of personalized medicine addresses the issue of targeting the right drug for an individual. Affan Affan's work contributes significantly to this next step.

Another of his professors, Dr. Jack Zurada, noted that Affan Affan is an independent thinker, a compassionate and well-trained researcher and embodies well the qualities that John M. Houchens Prize seeks to recognize. He would make a remarkable recipient of this honor.

# The Virginia "Jenny" Madden Award for Graduate Student Leadership and Service

Marta Martin M.A. Anthropology

Mentor: Associate Professor Angela Storey

The Virginia "Jenny" Madden Award for Graduate Student Leadership and Service is named in honor of Virginia "Jenny" Madden for her many years of service to the Graduate School, the Staff Senate, and the University of Louisville community. The award recognizes a master's degree recipient who exhibits leadership through service to the recipient's program, college, discipline, the University as a whole, and/or the community. Marta Martin is this year's recipient of the Madden award

After graduating from Louisville's Atherton High School, which she notes "fostered a community of empowerment and social justice," Marta Martin attended the University of Louisville to study some of the social and cultural issues that impacted her, her peers, and the larger community. After graduating in 2021 with a BA in Cultural Anthropology, Marta enrolled in the master's program in the department of Anthropology. During her graduate studies, she focused on food justice, disability advocacy, LGBTQ+ advocacy, and maternal health justice through both research and practical experience in social justice and positive change. Marta says that she has "been able to explore my passion to create a more equitable world by utilizing anthropological research to identify and understand social systems and root causes. By staying immersed in community-based justice, I have found informal leadership opportunities through work in social justice organizing and practice."

She has held formal leadership positions as Student Coordinator with the UofL/Kroger Zero Hunger | Zero Waste Scholarship Program, the UofL Sustainability Council, and local community-based organizations involved in creating a more sustainable future. After volunteering for a local political campaign in 2016, Marta was hired as a Field Organizer for Andy Beshear's successful 2019 campaign for Kentucky Governor and then served as Staff and Training Coordinator in 2020 for a local LGBTQ+candidate.

Dr. Gail DePuy, Senior Vice Provost with oversight of the Kroger Scholars, said this about Marta's work with the UofL/Kroger Zero Hunger|Zero Waste program: "Marta has exhibited exemplary leadership abilities, effectively guiding a team of undergraduate scholars and fostering a collaborative and inclusive environment within the program. Her leadership style is characterized by open communication, mentorship, and a strong sense of purpose."

Her thesis advisor, Dr. Angela Storey, likewise praised Marta's sense of purpose as she selected a thesis topic and completed the research into the experiences of students with disabilities with online learning: "What has struck me about Marta's thesis is that she chose this topic as a way of making her thesis research a form of service to the institution. She especially wanted for her work to embrace the diversity of experiences with/of disability, and thus recruited undergraduate and graduate students to participate in interviews who self-identified as disabled. I am very grateful that Marta chose a topic for her thesis that will be of significant service to the UofL."

# The Alice Eaves Barns Award for Outstanding Achievement in Master's Program

Kaelin Rae Allison M.S.S.W. Social Work

Co-Mentors: Lecturer Mane Martirosyan and Instructor Jennifer Bobo

The Alice Eaves Barns Award is named in honor of a Graduate School staff member's many years of outstanding service to the Graduate School. This award recognizes a student who has displayed tenacity in the face of adversity while attaining excellence in both the classroom and outside endeavors and is given in recognition of outstanding achievement in a master's program. Kaelin Rae Allison is this year's recipient of the Barns award

After graduating from Assumption High School where she excelled academically, Kaelin Allison received a scholarship to attend the University of Louisville, where problems with depression and substance abuse that began in high school increased. After losing her scholarship and struggling to get and stay clean, Kaelin dropped out of school, had a child, and finally in 2015 entered residential treatment for the third time, this time successfully completing the program; she has been in recovery and sober since 2015.

She returned to college at JCTCS in Fall 2016. As a result of being positively impacted by many excellent social workers in her own recovery journey, she set her sights on joining the social work field, aiming to help others find hope in the face of adversity. Kaelin proved that she could balance sobriety, motherhood, and college courses. She returned to the University of Louisville in Fall 2019, and after graduating with a bachelor's degree in Sociology in Spring 2021, she was accepted into the Kent School of Social Work MSSW program for Fall 2021.

Graduate school was never easy, even in the beginning. Kaelin writes that "being a full-time single mother trying to maintain my own sobriety and health, on top of full-time graduate course work plus a practicum placement was incredibly overwhelming. However, a series of events began in early 2022 that truly put my spirit to the test. I lost a dear friend to suicide in March and I caught COVID-19 twice that Spring. In late August, my son woke up with such severe hip pain that I took him to the emergency room. After a month-long process of MRIs and other testing, my son was diagnosed with Legg Calve Perthes disease. Because he had a series of procedures in his future, I withdrew for a semester, my son and I moved into my parent's single-floor home, and I took on the added roles of full-time caregiver and home-school teacher. Any moment I was not actively taking care of my child, I spent trying to care for myself, as my anxiety and depression spiked during this time."

Kaelin's son was able to successfully complete his treatment, and they both returned to school in January 2023. She resumed her specialized practicum placement at the Louisville Metro Department of Corrections, and is now preparing for graduation in December. Kaelin will continue working at LMDC as her first full-time position as a social worker.

Her nominator and mentor, Professor Jennifer Bobo strongly praised Kaelin's grit and resiliency: "What sticks out the most is Kaelin's ability to manage multiple stressors; she has strong communication skills, self-awareness and problem-solving skills in addition to self-care strategies that were helpful and supportive during these times. She was able to pivot, identify and plan for upcoming challenges and utilize her strengths and abilities to endure these challenges, all while also making sure that her course work was completed, and she didn't miss anything related to school and practicum."

### Graduate School's Outstanding Faculty Mentor

# Outstanding Faculty Mentor of Master's Students

John P. Wise Jr., Ph.D. Department of Pediatrics

Dr. Wise, Jr. received his B.S. in biology from the University of Southern Maine in 2013 before earning his Ph.D. in toxicology from Purdue University in 2018. Following the conclusion of his graduate career, he completed postdoctoral fellowships at the University of Southern California (2018-2019) and the University of Louisville in (2019-2021). In 2021, Dr. Wise, Jr. was awarded an R21, leading to his appointment as Assistant Professor in the Department of Pediatrics at the University of Louisville. As a member of the Department of Pediatrics, Dr. Wise, Jr. conducts research on differential neurotoxic outcomes of hexavalent chromium [Cr(VI)] across age groups while also examining how Cr(VI) accelerates aging at a cellular level. He is an active member of various community engagement projects, has received two awards, authored twenty peer-reviewed publications, presented over 100 abstracts, and conducted an array of field work addressing environmental dangers of metals in his time at UofL.

According to his nominator, Dr. Wise, Jr. has mentored one master's student, two medical students, five undergraduate students, and four high school students. "Though only at the start of his highly impactful career, Dr. Wise, Jr. has proven to be crucial to the development of scientists across several disciplines and has repeatedly shown his dedication to the mentorship of students at all stages of their academic careers. He has been highly influential in my development and has been supportive as I begin to write my master's thesis, schedule my defense, and obtain approval for my committee.

Dr. Wise, Jr. was nominated and won the Outstanding Faculty Mentor of a Graduate Student award in Spring of 2023, but elected to wait to receive it until the student who nominated him graduated this December.

# **Degrees - August and December 2023**

### Master of Fine Arts and Their Faculty Mentors

Candace Shania Spencer

Theatre Arts

Professor Nefertiti Burton

Thesis: Embodying an Afrofuturist Character on State: A Case Study in the Performance of Sarah B. Afromemory

# Doctor of Nursing Practice and Their Faculty Mentors

Amy Marie Barry

Nursing

Assistant Professor Leann Baker

Project: Improving Maternal and Infant Health: A Quality Improvement Initiative to Recognize Postpartum Depression in the Neonatal

Intensive Care Unit

Chelsea Ann Bills

Nursing

Assistant Professor Shannon Shumaker

Project: Improving Post-Stroke Dysphagia in the Intensive Care Unit

Sarah Marie Bishop

Nursing

Professor Ratchneewan Ross

Project: Effectiveness of an electronic health record imbedded evidence-based testing algorithm for Clostridioides difficile Infection

Nathaniel Sutton Bond

Nursina

Assistant Professor Kimberly Meyer

Project: Bleeding Risk Assessment in Interventional Radiology

Valenchia Quilleryne Brown

Nursing

Professor Ratchneewan Ross

Project: Evaluating the Effectiveness of a Standardized

Mobile Vaccination Clinic Training Program in Reducing Vaccination Administration Errors Madison Nicole Callery

Nursing

Professor Mary DeLetter

Project: Improving Postoperative Breast Augmentation Patient

Education Delivery

Brandi Shay Cecil

Nursing

Assistant Professor Kate Adelstein

Project: Increasing Music Therapy Referrals on a Surgical Intensive

Care Unit

Stacie Switzer Cheney

Nursing

Associate Professor Lynette Galloway

Project: Introduction of a Policy Adherence Plan in an Outpatient

Buprenorphine Treatment Clinic

Sarah Margaret Blaine Cohron

Nursing

Associate Professor Sara Robertson

Project: Implementation of an Initiative to Standardize Abdominal Binder Use in Postoperative Cesarean Section Patients: A Program

Evaluation

Breanna Marie Coulardot

Nursing

Assistant Professor Paul Clark

Project: Evaluation of Sensory Room Education to Promote Usage in an Inpatient Psychiatric Setting: A Quality Improvement Project

Briana Michelle Craddock

Nursing

Associate Professor Diane Riff

Project: Faith-Based Hypertension Self-Management in the African

American Community

Aubree Burcham Croghan

Nursing

Assistant Professor Lynn P. Roser

Project: Improving Central Line-Associated Bloodstream Infection

Prevention Bundle Compliance to Reduce Infection Rates in a

Pediatric Cardiac Intensive Care Unit

Jennifer Leigh Dumey

Nursina

Assistant Professor Cynethia Bethel-Hines

Project: Recognition and Reporting of Child Maltreatment in a

Pediatric Primary Care Setting

Laken Elise Heitz

Nursing

Assistant Professor Beverly Williams-Coleman

Project: Utilizing a Reminder Tool to Improve Post-hypoglycemia

Recheck Rates on a Medical Surgical Unit

Melissa Lynn Humphreys

Nursing

Co-Mentors Professor Frances Hardin-Fanning and

Assistant Professor Candace Harrington

Project: Recommendation of Intermittent Fasting in the Treatment of

Chronic Musculoskeletal Pain: Evaluating Healthcare Provider

Prescribing Behavior and Patient Fasting Behavior

Deven Shea Leffler

Nursina

Professor Ratchneewan Ross

Project: Educational Intervention for Preoperative Chlorhexidine Gluconate Cloths and the Reduction of Surgical Site Infections:

A Quality Improvement Initiative

Taylor Christine L'Heureux

Nursing

Associate Professor Sara Robertson

Project: A Program Evaluation of Domestic Violence Screening at A

Large Urban Hospital

Alisha Nicole Mitchell

Nursing

Assistant Professor Candace Harrington

Project: Improving Interprofessional Value-Based Care for Residents in

Skilled Nursing Facilities

Brittany Ann Morguelan

Nursing

Associate Professor Elisabeth Volpert

Project: Increasing Referrals to a Diabetes Educator and Diabetes

Prevention Program

Jumoke Folakemi Owolabi

Nursing

Associate Professor Sara Robertson

Project: Guide and Algorithm Creation for Hepatitis B and Tuberculosis

Brittany Alexandria Pollock

Nursing

Assistant Professor Paul Clark

Project: Proactive Toileting: Strengthening Purposeful Hourly

Rounding's Influence on Patient Falls

Jessica Raymond Richards

Nursing

Associate Professor Dedra Hayden

Project: Utilizing Health to Increase Follow-up in Latinx Adults

with Hyperlipidemia

Bethany Carol Risen

Nursing

Assistant Professor Shannon Shumaker

Project: Improving Catheter-associated Urinary Tract Infections in the Intensive Care Unit: Implementation of a Rounding Tool to Enhance

Communication and Collaboration

Terra Renee Schrembs

Nursing

Associate Professor Mollie Aleshire

Project: Use of Electronic Health Record Reminders to Improve Primary

Care Providers' Colorectal Cancer Screening Recommendations

Alyce Bailey Seaver

Nursing

Assistant Professor Emily McRae

Project: Enhancing Adherence to Best Practices Related to Pressure Injury Prevention at a Children's Hospital in the Operating Room

During Comprehensive Dental Procedures

Maria Camille Bacci Siegel

Nursing

Assistant Professor Kate Adelstein

Project: Decreasing Restraints on an Inpatient Psychiatric Unit

Mallory Michelle Swanson

Nursing

Assistant Professor Cynethia Bethel-Hines

Project: Intention to Change Lifestyle Behaviors in 10- to 14-year-old

Children with Obesity

Katie Diane Thomas

Nursing

Associate Professor Lynette Galloway

Project: Implementation of a Mindfulness Intervention to Increase Adolescent Resilience in an After-school Program: A Quality

Improvement Project

Theresa Bradley Thomas

Nursing

Assistant Professor Sarah Schirmer

Project: Implementation of a Progressive Muscle Relaxation Intervention to Decrease Cancer Patients' Distress: A Quality Improvement Project

Brittany Avonna Walker

Nursing

Assistant Professor Cynethia Bethel-Hines

Project: Remote Blood Pressure Monitoring: Program Evaluation

## **Doctor of Education and Their Faculty Mentors**

Don Edward Bacon

Educational Leadership and Organizational Development

Professor Jason Immekus

Dissertation: The Relationship Between High School Stem Courses and Students Attending Low-Income Schools College Major and Career Choices: A Social Cognitive Perspective

Joshua David Covington

Educational Leadership and Organizational Development

Co-Mentors Professor Mary Brydon-Miller and Assistant Professor

Gianina Fink

Dissertation: Building an Affirmative LGBTQ+ Leadership Paradigm:

An Autoethnography

Amy J. Ghibaudy

Educational Leadership and Organizational Development

Professor William Kyle Ingle

Dissertation: Teachers and Administrators' Perceptions of the Implementation of District Student Conduct Procedures

Jill Nicole Handley

Educational Leadership and Organizational Development

Professor Mary Brydon-Miller

Dissertation: Sense of Belonging for Black Families at Their Childs School: Factors that Promote, Inhibit, and Oppress

#### Amy J. Harris

Educational Leadership and Organizational Development Assistant Professor Deborah Powers

Dissertation: Assessment Literacy Influenced by Administrator Identity and Professional Learning: Confident Administrators in Kentucky Independent School Districts

#### Michele Diane Johnson

Educational Leadership and Organizational Development Assistant Professor Ron Sheffield Dissertation: The Influence of Power on Racial Identity and Social Power: Learning While a Minority in a Bullitt County High School in Kentucky

#### Brooke Paul Noon

Educational Leadership and Organizational Development Assistant Professor Deborah Powers

Dissertation: A Phenomenological Study of the Perceptions of Inclusive Preschool Education Through the Lens of Interdisciplinary Childhood Educators

#### Amanda Petters

Educational Leadership and Organizational Development Professor William Kyle Ingle

Dissertation: Educators Perceptions of the Case and Instruction of Trauma Exposed Students in a Small, Urban, Christian School

#### Mitzi D. Phelan

Educational Leadership and Organizational Development Assistant Professor Deborah Powers Dissertation: *Teachers' Perceptions of the Efficacy of Advisory Programs in Two Kentucky High Schools* 

Jessica Michelle Rosenthal Educational Leadership and Organizational Development Professor Mary Brydon-Miller Dissertation: *Principal Supervisor Professional Learning in a Community of Practice* 

# Doctor of Philosophy and Their Faculty Mentors

### College of Arts and Sciences

Francis Dean Orlina Ablan

Chemistry

Professor Muriel Maurer

Dissertation: Fbg aC 389 - 402 Modulates Factor XIII Crosslinking in

the Fibrinogen aC Region

Olalekan Tunde Adepoju

English/Rhetoric and Composition

Professor Bronwyn Williams

Dissertation: "Different in/at the Center" a Transnational Approach for Mobilizing International Multilingual Graduate Writers' Writing Assets During Writing Instruction

Md. Sofiul Alom

Chemistry

Associate Professor Farshid Ramezanipour

Dissertation: Perovskite Oxide Derivatives for Enhanced

Electrochemical Water Splitting and Pseudocapacitive Energy Storage

Rachel Fleisher Appel

Experimental Psychology

Associate Professor Daniel DeCaro

Dissertation: Formalizing the Faustian Bargain Within the Healthcare

Domain: An End-of-Life Approach

Peter James Armstrong

Chemistry

Associate Professor Craig Grapperhaus

Dissertation: Scalable Solution Processing of NiOx Nanoparticles

Valery Renaye Bodziony

Clinical Psychology

Associate Professor Barbara Stetson

Dissertation: Understanding Associations Between Chronic Illness Identify, Psychological Flexibility, and Type 2 Diabetes Emotional,

Behavioral, and Psychological Functioning

Zoe Larkin Bridges-Curry

Clinical Psychology

Professor Tamara Newton

Dissertation: Connections Between Polyvictimization, Daily Stress, Emotion Regulation, and Mental Health Symptoms: An Ecological

Momentary Assessment Study

Rhiannon Emmanuel Cecil

Biology

Associate Professor Deborah Yoder-Himes

Dissertation: How Pathogens Evolve: Testing the Coincidental Evolution Hypothesis

Ryan Patrick Coleman

Experimental Psychology

Associate Professor Brendan Depue

Dissertation: False Memories are Impacted by Semantic Pairing of

DRM Lists

Aubrie Marie Cox

English/Rhetoric and Composition

Professor Bronwyn Williams

Dissertation: "Long Live Ear X-tacy!": An Oral History Study of Rhetorics

of Nostalgia and Place

Xinju Dong

Chemistry

Associate Professor Lee.M.Thompson

Dissertation: The Self-Consistent Field Energy Landscape and Its

Application to Describing Electron Correlation

Maryam Entezam

Urban and Public Affairs

Professor Sumei Zhang

Dissertation: Public Space and Well-being: An Empirical Study of

Central Park in Old Louisville

Emily Smith Hawboldt

Applied and Industrial Mathematics

Professor Andre Kezdy

Dissertation: A Machine Learning Approach to Constructing

Ramsey Graphs Leads to the Trahtenbrot-Zykov Problem

Isaac Nathaniel Johnson

Applied and Industrial Mathematics

Professor Bingtuan Li

Dissertation: Effects of a Protection Zone in a Reaction-Diffusion

Model with Strong Allee Effect

Shiva Hari Mainaly

English/Rhetoric and Composition

Associate Professor Timothy Johnson

Dissertation: Non-western Rendition of Ambient Rhetoric of

Khajuraho Monuments

Derek Keith McClellan Experimental Psychology

Associate Professor Marci DeCaro

Dissertation: Exploratory Learning Activities

Vicki Amunrud Modisette

Applied and Industrial Mathematics

Assistant Professor Dan Han

Dissertation: Penalized Bayesian Exponential Random Graph Models

Harikrishnan Nambiathan Nambiar

Chemistry

Professor Francis P. Zamborini

Dissertation: Electrodeposition Studies Of Gold Nanoparticles And

Alginate Hydrogels

Rojita Panta

Chemistry

Associate Professor Karen Kopelson

Dissertation: From 'Smart Talk' to 'Living Well': Commonplaces

of Healthcare and their Role in Rare Disease Narratives

Sauray Parmar

Chemistry

Professor Pawel M. Kozlowski

Dissertation: Computational investigations of bond-breaking

processes using DFT and TDDFT approaches

Chinmay Shashank Potnis

Chemistry

Professor Craig Grapperhaus

Dissertation: BioCaRGOS: Capture and Release Gels for Optimized

Storage of Biologics

Daniella Christina Prince

Biology

Professor Stephen Yanoviak

Dissertation: Tropical Understory and Canopy Twig Ants

(Pseudomyrmex): Natural History, Sensory Homing, and Neuroecology

Caitlin Elizabeth Ray

English/Rhetoric and Composition

Professor Karen Kopelson

Dissertation: From 'Smart Talk' to 'Living Well': Commonplaces

of Healthcare and their Role in Rare Disease Narratives

Sudripet Sharma

Chemistry

Associate Professor Sachin Handa

Dissertation: New Methodologies for Sustainable Organic Synthesis

in Water

Brittany Nicole Smart

English/Rhetoric and Composition

Professor Mary P. Sheridan

Dissertation: Rhetorical (De)stabilization During the COVID-19 Pandemic

Ahangama Vithanage Dinushika Chathurani Vithanage

**Physics** 

Professor Gamini Sumanasekera

Dissertation: Intercalation and High-pressure Investigations of Black Arsenic Phosphorus: Unraveling Material Transformations

Holden Everett Wells

Applied and Industrial Mathematics

Professor Thomas Riedel

Dissertation: Stability of Cauchy's Equation on  $\Delta$ +

Yuhao Yang

Chemistry

Professor G. B. Hammond

Dissertation: Development and Applications of Novel and Practical

Fluorination Reagents

### College of Education and Human Development

Caroline Mae Fitchett

Curriculum and Instruction

Co-Mentors Professor Ginevra Courtade

and Professor Timothy Landrum

Dissertation: Using Graphic Novels to Teach Economics Content

to High School Students with Extensive Support Needs

Kevin Pacifico Tapp Gonzaga

Counseling and Personnel Services

Professor Laurie McCubbin

Dissertation: Social Ecological Resilience, Social Capital, Anomie

and the Impact of COVID-19

Leah Marie Halliday-Johnson

Curriculum and Instruction

Co-Mentors Professor Michèle Foster and Associate Professor

James Chisholm

Dissertation: "I Became Myself": Exploring Cultural Learning through

Stories and Storytelling

Sydni Peak Morris

Curriculum and Instruction

Associate Professor Sheron Mark

Dissertation: Analyzing the Influence of Mathematics Intervention
Teacher Actions on Students' Mathematics Identities: An Examination
of Pipes Student Presentings and Past Learning Experiences

of Bipoc Student Perceptions and Past Learning Experiences

Jason W. Oliver

Educational Leadership and Organizational Development

Professor Brad Shuck

Dissertation: The Experiences Of Leaders Who Transitioned To Leading A Virtual Team During The COVID-19 Pandemic: A

Phenomenological Study

Eric Joseph Smith

Counseling and Personnel Services

Co-Mentor Professors Patrick Pössel and Jeffrey Valentine

Dissertation: Why are Measures of Depressive Symptoms Imperfectly

Correlated? An Empirical Investigation

Nicholas Michael Swim

Educational Leadership and Organizational Development

Professor Mary Hums

Dissertation: Where Are All the Women? Rose Congruity Theory to Explore the Experiences of Women Interscholastic Athletic Directors

Jody Ziyi Zhong

Counseling and Personnel Services

Professor Laurie McCubbin

Dissertation: Institutional Racism, Racial Trauma, and Mental Health in

BIPOC Graduate Students and Professionals

### **Interdisciplinary Studies**

Brandon Lee Brown

Interdisciplinary Studies, specialization in Translational Neuroscience

Professor David Magnuson

Dissertation: Injury Induced Neuroplasticity and Cell Specific

Targeting of the Lumbar Enlargement for Gene Therapy

# School of Public Health and Information Sciences

Toluwani Elizabeth Adekunle

Public Health Sciences

Professor Monica Wendel

Dissertation: "The Health System Currently Feels Unsafe:" Trust, Distrust and Cervical Cancer Screening Among Black Women in Louisville,

Kentucky

Sultan Saleh A Alsaif

Public Health Sciences

Associate Professor J'Aime C. Jennings

Dissertation: Organizational Change in Saudi Healthcare Settings: Evaluating Organizational and Individual Readiness, and Mediating Role of Readiness Between Leadership and Commitment to Change

Chandre Ladrea Chaney

Public Health Sciences

Professor Andrew Scott LaJoie

Dissertation: Food Insecurity and Residential Segregation Among Adults in the United States: The National Health and Nutrition Examination Survey 2017 - March 2020 Pre-Pandemic Data

Yana B. Feygin

Public Health Sciences

Associate Professor Nicholas Peiper

Dissertation: The Relationships Between State-Level Economic Policies, Child Maltreatment, and Suicidal Behavior and Mortality

Huirong Hu

**Biostatistics** 

Co-Mentors Professor Maiying Kong and

Associate Professor Riten Mitra

Dissertation: Statistical Methods for Assessing Treatment Effects on Ordinal Outcomes and Selecting Optimal Treatment on Survival Outcomes Using Observational Data

Kahir Sabri Jawad

Public Health Sciences

Associate Professor Anne Wallis

Dissertation: Incidence and Determinants of Hypertensive Disorders of Pregnancy in the US: Hospitalization Discharge Rate for Preeclampsia, Eclampsia, and Gestational Hypertensions, 2016-2018

Aastha Kakar

Public Health Sciences

Associate Professor Kira C. Taylor

Dissertation: Genetic risk scores for hypertension and chronic kidney disease in African Americans

Damilola Rukayat Owoade

Public Health Sciences

Associate Professor Kira C. Taylor

Dissertation: Environmental exposures and male reproductive health

Naiya Ghanshyam Patel

Public Health Sciences

Associate Professor Seyed Karimi

Dissertation: Clinical and Environmental Factors Affecting the Treatment Receipt and Survival Outcomes Among State 1A Non-Small Cell Lung Carcinoma (NSCLC) Patients in the United States

Triparna Poddar

**Biostatistics** 

Professor Maiying Kong

Dissertation: Causal inference for the effect of continuous treatment on time-to-event outcomes and mediation analysis on health disparities in observational studies

Farhin Rahman

**Biostatistics** 

Professor Dongfeng Wu

Dissertation: Statistical Inference on Lung Cancer Screening Using the

National Lung Screening Trial Data

Uthpala Ishanthi Wanigasekara

**Biostatistics** 

Associate Professor Jeremy Gaskins

Dissertation: Bayesian Strategies for Propensity Score Estimation

in Causal Inference

# Raymond A. Kent School of Social Work and Family Science

Eva Xenakis Nyerges

Social Work

Associate Professor Lesley M. Harris

Dissertation: Exploring Burnout and Work Engagement in the United States Refugee Resettlement Policy-Practice Domain: A Qualitatively Driven Mixed-Method Study

### **School of Medicine**

Jane Jeruto Bartonjo

Anatomical Sciences and Neurobiology

Associate Professor Robert Lundy

Dissertation: Connectivity of Amygdala Somatostatin-

Expressing Neurons and Their Role in Taste-Guided Behavior

Makayla Patricia Brady

Biochemistry and Molecular Genetics

Associate Professor David Powell

Dissertation: Immune Phenotypes in Lupus Nephritis

Michael David Forston

Anatomical Sciences and Neurobiology

Co-Mentors Professor Scott Whittemore and Professor Michal Hetman

Dissertation: Novel Insights Into Oligodendrocyte Biology from

Developmental Myelination Studies in Autophagy Deficient Mice and

Analysis of Oligodendrocyte Translatome Response to Contusive

Spinal Cord Injury

Michael Lee Frazure

Physiology and Biophysics

Associate Professor Teresa Pitts

Dissertation: Swallow, Breathing and Survival: Sex-Specific Effects

of Opioids

William Sinclair Gibson

Biochemistry and Molecular Genetics

Associate Professor Corey Watson

Dissertation: Characterization of the Immunoglobulin Lambda Chain

Across Diverse Human Populations

Tyler Charles Gripshover

Pharmacology and Toxicology

Professor Matthew Cave

Dissertation: The Impact of Environmental Pollutants on Alcohol-

associated Liver Disease Pathogenesis

Cory J. Kucera

Physiology and Biophysics

Assistant Professor Alex Carll

Dissertation: The Role of E-Liquid Constituents in E-Cigarette-Induced

Cardiac Arrhythmia and Autonomic Imbalance

Belinda Joyce Petri

Biochemistry and Molecular Genetics

Co-Mentors Professor Carolyn Klinge and

Associate Professor Brian Clem

Dissertation: Epitranscriptomic Regulation in Breast Cancer and

PCB-Induced Liver Disease

Müge Sak

Biochemistry and Molecular Genetics

Professor Norman Lehman

Dissertation: Aurka Inhibition-Based Combination Therapy Approaches

in Glioblastoma

Sarah Huang Shrader

Pharmacology and Toxicology

Co-Mentors Professor Zhao-Hui Song and Professor Gregory Barnes

Dissertation: Cannabidiol, Behavior, and Immune Biomarkers in

Idiopathic Autism Spectrum Disorder

Alexis Avidan Vega

Biochemistry and Molecular Genetics

Co-Mentors Associate Professor Levi Beverly and Associate

Professor Brian Clem

Dissertation: The Interplay Between Lung Adenocarcinoma, Nutrient

Availability, and the Microbiome

Kennedy Marie Walls

Pharmacology and Toxicology

Professor David Hein

Dissertation: Investigation of heterocyclic amines and

N-acetyltransferase 2 genetic polymorphism in the dysregulation of hepatic energy homeostasis: A gene-environment approach

Cassandra Renee Woollev

Microbiology and Immunology

Professor Thomas Mitchell

Dissertation: Illuminating Underappreciated Mechanisms of Receptor

Regulation in Human Lymphocytes

### J. B. Speed School of Engineering

Affan Affan

Electrical Engineering

Professor Tamer Inanc

Dissertation: Adaptive Personalized Drug Delivery Method for Warfarin

and Anemia Management: Modeling and Control

Kameswara Pavan Kumar Ajjarapu

Mechanical Engineering

Associate Professor Kunal Kate

Dissertation: Synergistic Strategies in Sinter-Based Material Extrusion

(MEX) 3D Printing of Copper: Process Development, Product

Design, Predictive Maps and Models

Paul Bupe Jr.

Electrical Engineering

Professor Cindy K. Harnett

Dissertation: A Modular Framework for Surface-Embedded Actuation

and Optical Sensing in Soft Robots

Mohammad Shafquatul Islam

Electrical Engineering

Professor Cindy K. Harnett

Dissertation: Investigating MEMS Devices in Flow Conditions Relevant

to Flow-through Systems

Abdulgani Kahraman

Computer Science and Engineering

Professor Mehmed Kantardzic

Dissertation: A Data-Driven Multi-Regime Approach for Predicting

Real-Time Energy Consumption of Industrial Machines

Uttam Karki

Industrial Engineering

Professor Pratik Parikh

Dissertation: Visibility Based Hospital Inpatient Unit Design

Huan Liu

Computer Science and Engineering

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Dissertation: Innovative Approaches for the Visualization and Analysis

of Topological Knots and Surfaces

James David Morris Chemical Engineering Professor Xiaoan Fu

Dissertation: Novel Breath Collection Techniques for Detection of

COVID-19

Ruponti Nath Electrical Engineering Professor Amir Amini

Dissertation: Deep Learning for 4D Flow MR Imaging of Aortic Stenosis:

Accelerated Acquisition and Hemodynamic Assessment

Olalekan Olakitan Olowo Electrical Engineering

Co-Mentors Professor Dan Popa and Professor Kevin Walsh Dissertation: *Design, Fabrication, and Integration of Robotic Skin* 

Sensors for Human Robot Interaction

Santosh Kumar Rauniyar Industrial Engineering Professor Kevin Chou

Dissertation: Experimental and Numerical Studies of Laser Powder-Bed Fusion Process with TI-6AL-4V Powder: (1) Porosity and Mechanical Properties, and (2) Transient Phenomena in One- and Two-Dimensional Fabrications

Sima Shafaei Industrial Engineering

Associate Professor Jason J. Saleem

Dissertation: Automated Usability Evaluation Utilizing Log Files and Data

Mining Techniques

Ahmed Abdullah Hussein Sleman Computer Science and Engineering

Co-Mentors Professor Adel Elmaghraby and Professor Ayman El-Baz Dissertation: *CAD System for Early Diagnosis of Diabetic Retinopathy* Based on 3D Extracted Imaging Markers

Jason Scott Turner Computer Science and Engineering Professor Mehmed Kantardzic

Dissertation: Cannabidiol Tweet Miner: A Framework for Identifying

Misinformation in CBD Tweets

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Ph.D. Electrical Engineering
Mentor: Professor Tamer Inanc.

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