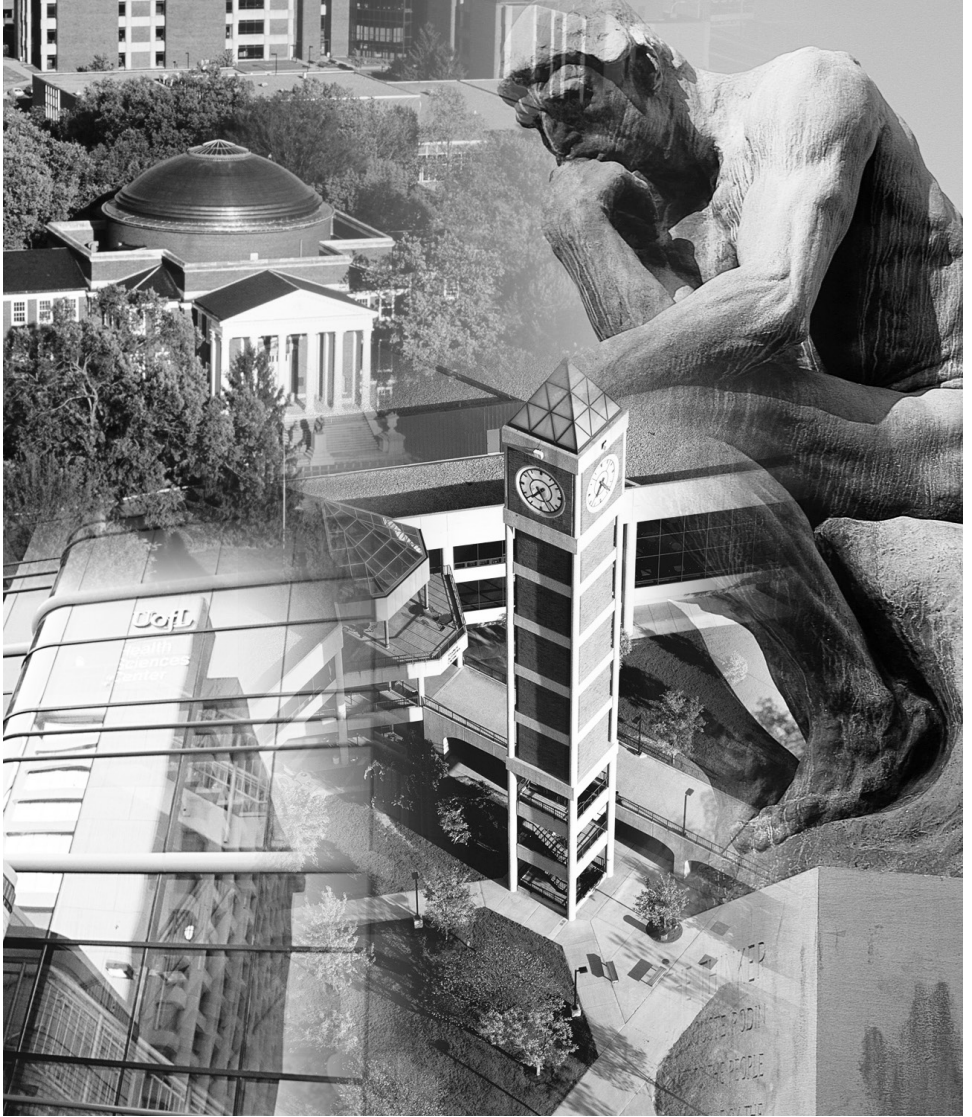




DOCTORAL HOODING & GRADUATION CEREMONY

December 16, 2022

UNIVERSITY OF
LOUISVILLE



Fall 2022 Celebration

December 16, 2022

UNIVERSITY OF
LOUISVILLE
GRADUATE SCHOOL

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

Claire Elizabeth Westcott

Ph.D. Microbiology and Immunology

Mentor: Associate Professor Kevin Sokoloski

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. Claire Westcott 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.

Born in rural southeast Missouri, an area with limited access to science education, Claire Westcott has always had a passion for science literacy and outreach. She received her bachelor's degree in biology from the University of Missouri, where she worked in multiple microbiology labs.

In 2016, Claire moved to Louisville where she became a technician for Dr. Kevin Sokoloski, later joining the lab as a PhD student focused on RNA protein interactions with alphaviruses. Claire jumped headfirst into volunteering her extra time with the Science Policy and Outreach Group (SPOG) at the University of Louisville and the Louisville Regional Science and Engineering Fair (LRSEF). During her time in SPOG, Claire took on a variety of leadership opportunities as Policy Coordinator, Louisville Science Pathways Director, and Director of SPOG. Under her direction, Claire implemented and expanded several programs that focused on opening doors for future scientists and improving inclusivity within the science community. Claire was instrumental in establishing the partnership between Louisville Science Pathways (LSP) and Kentuckiana Works, an organization that supports the Louisville community by making job seeking more equitable. This partnership helped make Louisville Science Pathways a fully funded research internship, which allowed the program to reach more members of underserved populations. She continued to serve LSP as a director for two more years.

Claire also served as a board member to the Louisville Regional Science and Engineering Fair, where she pioneered programming to promote equity and engagement within the fair and founded STEM Ambassadors. This program recruits scientists in the Louisville community to participate in LRSEF, build relationships with young scientists, and promote excitement for different scientific fields.

Claire was also a leader in the Department of Microbiology and Immunology at the University of Louisville. Claire served as president of the Microbiology and Immunology Student Organization, where she built a community among graduate students. She also served as the student representative to the M&I Admissions Committee and department orientation where she provided a welcoming space for prospective and new students.

Claire's passion for science communication is also prominent in her written work, as she has several first author publications that include her dissertation work about viral RNA and protein interactions and the local SARS-CoV-2 Wastewater Surveillance program. Upon graduation and throughout her career, she plans to continue to focus on science communication and outreach.

The John Richard Binford Memorial Award

Kyle Levi Fulghum
Ph.D. Physiology and Biophysics
Mentor: Professor Bradford Hill

Kyle Fulghum 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.

Kyle Fulghum earned a Bachelor's degree (summa cum laude) in Biological Chemistry from Evangel University and a Master's degree in Cell and Molecular Biology from Missouri State University. Prior to starting his doctoral studies at the University of Louisville, Kyle worked in clinical and basic lab research settings where he focused on projects related to physical activity, airborne toxins, and human health. While pursuing his PhD at UofL, Kyle's work on cardiac metabolism resulted in 9 peer-reviewed publications, 11 presentations at national conferences, and the awarding of an international Early Investigator Award from the Society for Heart and Vascular Metabolism.

Currently, Kyle's research is funded by the National Institute of Health and investigates how aerobic exercise training promotes physiological remodeling of the heart. One of his overarching goals is to understand how exercise can be optimized to improve health and reduce the risks of complex diseases. Some of his work has been highlighted in a co-authored textbook chapter for the American Physiological Society and in several peer-reviewed journals, including the Journal of Molecular and Cellular Cardiology, Journal of Sport and Health Sciences, and the American Journal of Physiology.

Kyle's passion for human health and performance began with his participation in athletics at an early age, which he continued throughout his life. As a doctoral student, Kyle continued his involvement in athletics, participating as a weightlifting athlete in regional and national events, which included winning a Kentucky State Championship. He further established himself as a leader in the field of exercise sciences by holding active memberships with organizations such as the American Heart Association, American College of Sports Medicine, and USA Weightlifting. While at UofL, Kyle served on additional training committees, represented the Department of Physiology in the Graduate Student Council, and helped mentor several students with research projects.

After graduation, Kyle plans to continue his work examining the connections between exercise, metabolism, and human health. He would like to incorporate the use of innovative technologies to develop strategies for personalized healthcare and the optimization of exercise training protocols.

The John M. Houchens Prize for Outstanding Dissertation

Mohamed Nazih Mohamed Shehata
Ph.D. Computer Science and Engineering

Co-Mentors: Professors Adel Elmaghraby and Ayman El-Baz

Mohamed Nazih Mohamed Shehata 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.

Mohamed Shehata, PhD (Member, IEEE) received his B.Sc. degree in Computer Engineering and Control Systems from Mansoura University, Egypt, 2009. In 2014, he joined the Bioluminescence Lab at the University of Louisville. In 2016, Mohamed was awarded his M.Sc. degree from the Electrical and Computer Engineering Department at the University of Louisville, and directly enrolled in his Ph.D. program in the Computer Engineering and Computer Science Department. Mohamed successfully defended his PhD in Summer 2022. His dissertation focuses on machine and deep learning for medical imaging analysis, specifically, on the design of computer-aided diagnostic (CAD) systems for detection/classification of kidney diseases such as acute renal transplant rejection from diffusion-weighted and BOLD-MRIs and renal cancer from contrast-enhanced computed tomography images. In addition, he is working on developing new techniques for the early diagnosis, detection, and prediction of different types of cancers such as liver cancer, spine cancer, breast cancer, prostate cancer, Wilms tumors, and so on. Mohamed authored more than 60 technical peer reviewed publications, and he has also received more than 20 international and local prestigious awards, including the MIT technology review Award for innovators under 35 years old in 2021, Doctoral Dissertation completion award in 2021, Research of Louisville in 2021, EPIC innovator award in 2019 and 2020, Exemplary research scholarship award (2019- 2022). Mohamed is currently serving as a Guest-Editor for three prestigious journals, Frontiers in Medicine, Sensors, and Electronics, and he serves as a Review-Editor in Frontiers in Neuroimaging and Frontiers in Medicine as well.

The Virginia “Jenny” Madden Award for Graduate Student Leadership and Service

Jose M. Najera

M.S. Human Resources and Organization Development

Mentor: Associate Professor Ann Herd

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. Jose M. Najera is this year’s recipient of the Madden award.

Jose’s dedication to helping others reach their fullest potential and build bright, equitable futures is evident in all that he does. Jose M Najera is a graduating student from the University of Louisville Master of Science in Human Resources and Organization Development. Born in Guatemala and raised in Los Angeles, California, he now calls Louisville home.

During his studies, Jose gained knowledge in human resource and organizational development leadership, adult and organization learning, and talent management, which he applied when reestablishing the University of Louisville’s Society for Human Resource Management (SHRM) Student Chapter. Serving as Chapter President, Jose was responsible for coordinating numerous educational events and student-led activities, as well as being the liaison between local and state SHRM chapters and various schools and departments. Jose helped create a space for students to learn, collaborate, and lead.

As a former senior military leader with 20 years of service, Jose has a keen understanding of the importance of communication, building relationships, and commitment to serving. This, along with his academic experience, and work in the public and private sectors, has allowed Jose to develop a broad perspective of how people and organizations can help elevate marginalized communities by creating opportunities. Now, as a Training Specialist at the Digital Transformation Center at the University of Louisville, and the Health-Equity Innovation Hub, he is charged with building a regional talent pipeline through upskilling and reskilling digital and analytics competencies to create family-sustaining careers for community members. Jose’s commitment and the Digital Transformation Center’s mission are helping to create a better future for everyone in the Louisville community.

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

Dustin Ray Smith
M.A. Anthropology

Mentor: Assistant Professor Thomas Jennings

The Alice Eaves Barns Award is named in honor of Mrs. Alice Eaves Barns for her many years of outstanding service as a staff member of 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. Dustin Smith is one of this year's recipients of the Barns award, and he tells his own story in his words here:

Most folks in my small town did not aspire to go to college. Personally, my family did not put much importance on education. Grades were not something that I had to worry about. There were no consequences for not doing homework, or for bringing home a failing grade. I didn't graduate from high school. As the years went by, I found myself wanting more. I longed for more financial stability, and as someone part of the LGBTQ+ community who was living in a small southern town, I didn't feel as safe or as understood as I would like. At the age of 24 I got my driver's license and started studying for the GED. After I aced the practice test the first time out, I was advised to take the actual test and passed on the first try.

These accomplishments gave me the encouragement that I needed, and I decided to go to my local community college. After completing my work there, I enrolled in the anthropology program at Western Kentucky University and excelled, graduating magna cum laude and winning an award for outstanding undergraduate in cultural resource management. My first semester in UofL's graduate program in Anthropology was tough. As someone from a small town who had always struggled with anxiety, being in a much larger city was a very hard adjustment. I had a number of personal losses, which led me to take a break from school. Some time away from school seemed to do the trick and I was able to return the following semester and finish my incomplete work.

The following semester things seemed to be improving. My coursework was going well, and I was offered a position as a TA (one of my proudest achievements). However, 2019 was another tough year for my partner and family. My partner was having a difficult time with his mental health, and his drinking increased. He bounced around between several jobs. During this time, my mother was diagnosed with having blood clots and cancer, and then rapidly progressing dementia. My mental health took a turn. I found it difficult to take care of everything

that I needed to take care of. My family wanted me to move back home, but I knew that if I did that there was a chance that I wouldn't finish school. I was one of the first people in my family to go to college. If I stopped then, I knew that I would regret it forever.

The desire to finish my degree is what has kept me in Louisville. Although I have sometimes struggled with my coursework at UofL, I have also learned about perseverance. In fact, I have actually drawn strength and inspiration from my coursework. Much of the subject matter in the courses that I have taken centers around groups of people who have dealt with things that I cannot even imagine. I remember thinking, if they can survive all they did, I can make it through school! As an outsider, I could identify with the people I read about, and I believe that it gave me strength. Although I definitely still struggle with my mental health, upon looking back, I am glad that I have persisted and have not given up on my education. As I finish my last semester, I must say that I am proud of myself. My final project consists of creating an exhibit around the servants who lived and worked in the Conrad-Caldwell House. Not only were most of the servants from marginalized groups, but they have also largely been neglected when the history of the house is presented. It is my sincere hope that I do justice to those who have largely been ignored by history. I hope to make the invisible now visible. I'm so glad I did not give up on school and that I now have the opportunity to do this work.

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

Bolaji Michael Ogbulu

M.U.P. Urban Planning/ M.P.A. Public Administration

Co-Mentors: Associate Professors Aaron Rollins and Sumei Zhang

The Alice Eaves Barns Award is named in honor of Mrs. Alice Eaves Barns for her many years of outstanding service as a staff member of 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. The award is given in recognition of outstanding achievement in a master's program. Bolaji Ogbulu is one of this year's recipients of the Barns award, and he tells his own story in his words here:

In March of 2020, just before the COVID-19 pandemic engulfed our lives, my mother, Robin Ogbulu, was diagnosed with a rare, but manageable form of cancer called Multiple Myeloma. My parents were divorced, and I am the oldest of three children so took charge of everything. My mother had a few surgeries after the diagnosis and was not well enough to manage everything, so I became the power of attorney, managed her finances, and consulted with her doctors. During the summer of 2020, prior to my enrollment in my program, my mom lived with my wife and I and we cared for her in the second bedroom of our apartment. COVID-19 made everything more difficult. Due to the extreme risk to those in skilled nursing facilities, no long-term facilities were taking patients. I questioned whether I should defer graduate school to focus on her care. By early August just before the semester was set to begin, my mother's health seemed to be steadily improving and we were lucky to find a nursing facility that could admit her. With that weight off my shoulders, I felt comfortable enough to start school that fall semester.

Everything was going well. I was enjoying my classes and I checked in on my mom every day and she was doing pretty well - until she wasn't. In late September, her health took a sudden turn for the worst, and she was hospitalized at UofL. Again, as a result of COVID-19 precautions, there was trouble scheduling regular appointments with doctors and getting consistent treatment. She also wasn't healing like the doctors expected her to.

Her health spiraled quickly and her once positive prognosis turned for the worst. Since I was the power of attorney, I communicated with her doctors and managed her care while in school full time. It was a lot to manage, and I fell behind some, but I caught back up quickly and I was able to take an incomplete in one of my four classes so that I could ease up for a bit. Within a week of her hospitalization, in the midst of midterms, and a week after her 54th birthday, my mother passed away.

It was a very tough time. Thankfully, my mom's side of the family is large and not too far away. They were a great comfort to my siblings and me. A week later, we planned the funeral and laid my mom to rest back in our hometown of Lexington.

Education meant a lot to my mom. She never got to finish her education the way that she wanted to so she inspired me and my siblings to learn and make the most of the opportunities that we had. I think that is what drove me to continue through that semester after her passing and it still drives me today. My mom also instilled a desire to serve others and my community. There is not a single day that I don't think about her and how she put aside her educational and career goals to raise me and put me in the position that I am in today. I intend to carry on her legacy after I graduate and into my future of public service

Degrees - August and December 2022

Doctor of Audiology and Their Faculty Mentors

Margaret J. Spiegel

Audiology

Professor Lynzee Cornell

Project: Review of Data Regarding Harassment and Micro Aggressions from Patient Toward Providers on University of Louisville's Health Science Campus

Doctor of Nursing Practice and Their Faculty Mentors

Courtney Alicia Albers

Nursing

Assistant Professor Sarah Schirmer

Project: Improving Trauma-Informed Education and Parenting for Resource Parents at a Foster Care Agency

Tracey Brink

Nursing

Assistant Professor Leann Baker

Project: Development of a Project to Improve Prenatal Education at a Rural Medically Assisted Treatment Center Focused on Neonatal Abstinence Syndrome and Parenting Skills

Anna Louise Davidson

Nursing

Associate Professor Mary-Beth Coty

Project: Reducing Weekly Screen Time Use in College Students

Connor A. Epperson

Nursing

Dr. Kimberly Meyer

Project: Quality Improvement for Timely Extubation in an Urban Community ICU

Hope Kathryn Eppley
Nursing
Assistant Professor Candace Harrington
Project: *Quality Improvement DNP Project Proposal for the Prevention of ICU Delirium*

Logan Marie Griffith
Nursing
Assistant Professor Shannon Shumaker
Project: *Impact of Palliative Care Screening Process Implementation Among Intensive Care Unit Registered Nurses*

Kelley Joan James
Nursing
Assistant Professor Beverly Williams-Coleman
Project: *Multicomponent Approach to Delirium Prevention in the Acute Care Setting: An Evidence-Based Quality Improvement Project*

Christopher George Jenkins
Nursing
Assistant Professor Candace Harrington
Project: *Comprehensive Pain Assessment*

Paula Johnson
Nursing
Assistant Professor Lynette Galloway
Project: *School Nurses' Participation in Accommodations for Children with Epilepsy: A Quality Improvement Project*

Channing Jane Kay
Nursing
Assistant Professor Sarah Schirmer
Project: *Trauma-Informed Schools: A Quality Improvement Project for a Rural Public School System*

Kimberly M. Knott
Nursing
Assistant Professor Paul Clark
Project: *Implementation of Scripted Debriefings Following Neonatal Delivery Room Resuscitations*

Ashley Dru Larson
Nursing
Associate Professor Mary-Beth Cody
Project: *Retrospective Evaluation of Depression Screening Process Among Older Patients in Primary Care for Quality Improvement*

Anna M. Marks
Nursing
Associate Professor Elisabeth Volpert
Project: *Implementing a Diabetes Risk Screening Protocol in the Primary Care Setting*

Anna M. Moore
Nursing
Assistant Professor Katharine Adelstein
Project: *Improving Confidence and Job Satisfaction in Emergency Nurses through TeamSTEPPS*

Nicole Moseley Jaeger
Nursing
Assistant Professor Leann Baker
Project: *Neonatal Developmental Care Makes SENSE: Implementation of an Evidence-Based Guideline for Developmentally Appropriate Multi-Modal Positive Sensory Exposures*

Philip E. Phippen
Nursing
Associate Professor Mary-Beth Coty
Project: *Reducing the No-show Rate at a Community Mental Health Organization*

Bailee Elizabeth Pope
Nursing
Professor Frances Hardin-Fanning
Project: *Feasibility of An Emergency Department Fall Screening Tool and Intervention Bundle Checklist on Nursing Fall Prevention Documentation: A Quality Improvement Project*

Jessica Marie Rivera
Nursing
Assistant Professor Lynette Galloway
Project: *Implementation and Evaluation of Mental Health Referral Pathway for School Nurses*

Sarah Elizabeth Schaefer
Nursing
Dr. Kimberly Meyer
Project: *Reducing Rates of Contrast-Induced Nephropathy in the Cardiac Catheterization Laboratory: A Program Evaluation*

Erin Shaye Semeyn
Nursing
Assistant Professor Emily McRae
Project: *Piloting a Pediatric Obesity Prevention Screening Tool and Intervention in a Family Practice Setting*

Emily Christine Storms

Nursing

Professor Frances Hardin-Fanning

Project: *It Takes Heart: Cardiovascular Disease Risk Reduction in the Underserved and Underinsured Population of Louisville, Kentucky*

Michael Stefan Swift

Nursing

Associate Professor Whitney Nash

Project: *Implementation and Evaluation of Asthma Education Cell Phone Application: ASTHMAXcel, Within an Allergy and Asthma Specialty Practice*

Maggie Marie Wiser

Nursing

Associate Professor Sara Robertson

Project: *A Policy Project: Implementing Safe Firearm Storage Legislation in Kentucky*

Shelby Madalyn Young

Nursing

Associate Professor Sara Robertson

Project: *Implementation of a Maternal Hypertension Bundle: A Program Evaluation*

Doctor of Education and Their Faculty Mentors

Rachelle Jean Bramlage-Schomburg

Educational Leadership and Organizational Development

Professor William Kyle Ingle

Dissertation: *Teachers' Perceptions of Professional Development and Pedagogical Practice: A Study of Kentucky Suburban School District*

Doctor of Philosophy and Their Faculty Mentors

College of Arts and Sciences

Ciana M. Applegate
Applied and Industrial Mathematics
Assistant Professor Dan Han
Dissertation: A New Sir Model with Mobility

Holley Pitts Arnold
Experimental Psychology
Professor Carolyn Mervis
Dissertation: Self-Regulation in Young School-Aged Children with Williams Syndrome

Kritika Bajaj
Chemistry
Co-Mentors Professors Craig Grapperhaus and Robert Buchanan
Dissertation: Alkylthiocarbamate Metal Complexes with Antiproliferation Activity

Ivan Benitez
Criminal Justice
Associate Professor Bradley Campbell
Dissertation: SRO Roles and Teacher Behavioral Intervention Strategies: An Analysis on Behavioral Approaches and Student Suspensions

Diptaparna Biswas
Physics
Associate Professor Swagato Banerjee
Dissertation: Search for a Dark Leptophilic Scalar Produced in Association with Taupair in Electron-Position Annihilation at Center-of-Mass Energies Near 10.58 GeV

Tiffany Jo Brandt
Biology
Associate Professor Deborah Yoder-Himes
Dissertation: Death of a Bacterium: Exploring the Inhibition of Staphylococcus Aureus by Burkholderia Cenocepacia

Leigh Cara Brosf
Clinical Psychology
Associate Professor Cheri Levinson
Dissertation: Investigating the Shared and Unique Mechanisms of the Development of Comorbid Eating Disorder Anxiety Symptoms During Adolescence

Natalie Kaylyn Burke
Clinical Psychology
Professor Richard Lewine
Dissertation: Investigating the Income Academic Achievement Gap: An Exploration of the Roles of Mindfulness and Self-Concept Clarity in Low-Income College Students

Derek A. Carpenter
Humanities
Professor John Gibson
Dissertation: Cultivating the Human Narrative: On Nietzsche, Science Fiction, and the Aesthetics of Life

John Yu-Choh Chang
English/Rhetoric and Composition
Associate Professor Frank Kelderman
Dissertation: Taiwanese Indigenous Representation, Heteroglossia and Rhetorics of Resistance in Warriors of the Rainbow, Seediq Bale

James Gregory Clark
Humanities
Professor Julie Peteet
Dissertation: Reaching Syrians in Need: An Analysis of Humanitarian Aid in the 21st Century

Israel Ricardo Curbelo
Applied and Industrial Mathematics
Associate Professor Csaba Biro
Dissertation: The On-Line Width of Various Classes of Posets

Kathryn Lafferty Danner
Humanities
Professor Ranen Omer-Sherman
Dissertation: The A-Word: Destigmatizing Abortion in American Culture

Jacinta Parthenia Dickens
Clinical Psychology
Professor Anita Barbee
Dissertation: Quality of Life and End-of-Life Plans: The Inclusion of Sexual Health

Lauren Brooke Flaherty
Clinical Psychology
Professor Benjamin Mast
Dissertation: The Effects of Stigma on Quality of Life and Psychological Outcomes in Participants with Varying Reports of Subjective Cognitive Decline

Dalton Seth Gannon
Applied and Industrial Mathematics
Professor Hamid Kulosman
Dissertation: *Properties and Classifications of Certain LCD Codes*

Leon Sergio Garduno Villa
Criminal Justice
Co-Mentors Professor Deborah Keeling and
Associate Professor Kristin Swartz
Dissertation: *The Effects of Gang Membership and Transitions
in a Gang on Within-Individual Changes in Offending*

Christina Han
Applied and Industrial Mathematics
Professor Ryan Gill
Dissertation: *Cross-Validation for Autoregressive Models*

Diana Therese DiGasbarro Hedrick
Clinical Psychology
Professor Benjamin Mast
Dissertation: *Changing Public Perception of Dementia: The
Effect and Credibility of Three Informational Models*

Hyun Jin Jung
Biology
Professor Mark Running
Dissertation: *Determination of the Functional Role of RAB-GGT in
Physcomitrium Patens*

Anna Maureen Kelley
Experimental Psychology
Co-Mentors Assistant Professor Campbell Bego
and Associate Professor Marci DeCaro
Dissertation: *Effects of Top-down Attention and Individual
Differences on Recognition Memory and Recollective Experience*

Wing Yee Jackie Ma
Clinical Psychology
Associate Professor Paul Salmon
Dissertation: *The Combined Benefits of Dispositional Mindfulness
and Trait Self-Compassion as Potential Buffers of the Effects of
Perceived Stress on Sleep Quality in College-Aged Young Adults*

Michael David Martin
Physics
Professor David Brown
Dissertation: *A Computational Model of the Line-1 Retrotransposon
Life Cycle and Visualization of Metabolic Networks in 3-Dimensions*

Suzanne Marie Overstreet

Criminal Justice

Co-Mentors Professors George Higgins and Gennaro Vito

Dissertation: *Understanding Racial Disparate Treatment of Juvenile Interpersonal Violent Offenders in The Juvenile Justice System Using Focal Concerns Theory*

Eve J. Carlisle Polley

Humanities

Professor D. A. Masolo

Dissertation: *Unraveling DNA and Identity: A Humanistic Perspective on Epistemologies and Ethics of Genetic Ancestry Testing*

Christopher Ritter Rickels

Humanities

Professor Guy Dove

Dissertation: *A New Direction for Public Understanding of Science: Toward a Participant-Centered Model of Science Engagement*

Sait Sarr

Urban and Public Affairs

Associate Professor Matthew Ruther

Dissertation: *Barriers and Opportunities to Sustainable Urban Agriculture: The Case of Louisville, Kentucky*

Sarah Kelly Shryock

Clinical Psychology

Professor Suzanne Meeks

Dissertation: *Age-Related Differences in the Relationship Between Activity Familiarity and Well-Being*

Saurin Rahul Sutaria

Chemistry

Professor Michael Nantz

Dissertation: *α , β -Unsaturated Aldehydes: The Underrepresented Markers of Disease*

Ming-Chang Tsai

Biology

Professor Michael Perlin

Dissertation: *Characterization of *Microbotryum Lychnidis-Dioicae* Secreted Effector Proteins that Manipulate Its Host Plant, *Silene Latifolia**

Sida Wan

Applied and Industrial Mathematics

Associate Professor Csaba Biro

Dissertation: *Dimension and Ramsey Results in Partially Ordered Sets*

Alex Jordan Way
English/Rhetoric and Composition
Professor Bruce Horner
Dissertation: *Rewriting Writing as Transmodal and Translingual:
Transcribing Japanese*

College of Business

Malcolm Armani Muhammad
Entrepreneurship
Professor Robert Garrett
Dissertation: *Ideas in Communities: A Micro-Perspective on
Entrepreneurial Ecosystems*

College of Education and Human Development

Katrina Ellen Elliott
Counseling and Personnel Services
Associate Professor Susan Longerbeam
Dissertation: *Academic Achievement and Degree Attainment
Among Students with Children*

Maame-Safowaa Geary
Counseling and Personnel Services
Associate Professor Laurie McCubbin
Dissertation: *Not Only Black or Only a Woman, a Black Woman:
Gendered Racial Microaggressions, Colorism and Hair on Trauma
Symptoms*

Ehren Reagor Green
Educational Leadership and Organizational Development
Associate Professor Meg Hancock
Dissertation: *The Person Behind the Team: A Phenomenological
Exploration of the Role of the Sport Supervisor in NCAA Division I
Intercollegiate Athletics*

Achyut Kulkarni
Educational Leadership and Organizational Development
Associate Professor Evan Frederick
Dissertation: *The Influence of Sponsorship Engagement on Brand Loyalty:
An Analysis of On-Site and Social Media Activational Communications*

Timothy Schaub Lau
Counseling and Personnel Services
Professor Jeff Valentine
Dissertation: *The Effect of Typewriting vs Handwriting Lecture
Notes on Learning: A Systematic Review and Meta-Analysis*

Stephen Michael Leach
Counseling and Personnel Services
Co-Mentors Professors Jeffrey Valentine and Jason Immekus
Dissertation: *A Psychometric Analysis of the Comprehensive School Survey (CSS) Middle School Version*

Edwin Carl Pavy Jr.
Educational Leadership and Organizational Development
Professor Mary Brydon-Miller
Dissertation: *"I am Who I am": LGBTQ+ Student Experiences at a Baptist Liberal Arts University*

Jennifer Mary Pollard
Curriculum and Instruction
Professor Ginevra Courtade
Dissertation: *Increasing Self-Determination Skills through Behavioral Skills Training for Individuals with Extensive Support Needs to Examine Reversible Contraceptive Choices*

Yohimar Andreina Sivira Gonzalez
Curriculum and Instruction
Co-Mentors Associate Professor James Chisholm
and Professor Michele Foster
Dissertation: *Language Ideologies and Racialization of Language: Multilingual Learners Experiences in the First Year in a Community College*

Adam Cory Stieglitz
Educational Leadership and Organizational Development
Professor Mary Brydon-Miller
Dissertation: *Voices of the "Served": Community Resident Perspectives on International Service-Learning in Peru*

Katalina Guadalupe Traxler
Counseling and Personnel Services
Associate Professor Susan Longerbeam
Dissertation: *Mejorar La Raza: Measuring the Implicit Anti-Black Racial Bias of Multiracial Individuals*

Matthew David Trzaskus
Curriculum and Instruction
Co-Mentors Professor Thomas Tretter and
Associate Professor Justin McFadden
Dissertation: *An Analysis of Public Comments on the Implementation of the NGSS in Kentucky*

Tianhong Yao
Counseling and Personnel Services
Associate Professor Laurie McCubbin
Dissertation: *Internalized Racism Mediating the Effects of Ethnic-Racial Socialization on Self-Esteem and Psychological Distress Among Asians and Asian Americans in the United States*

Interdisciplinary Studies

Hisham Abouelseoud Elsayem Abdeltawab
Interdisciplinary Studies, specialization in Translational Bioengineering
Professor Ayman El-Baz
Dissertation: *Role of Deep Learning Techniques in Non-Invasive Diagnosis of Human Diseases*

Nicholas Craig Allen
Interdisciplinary Studies, specialization in Translational Bioengineering
Associate Professor Martin O'Toole
Dissertation: *Tumor Targeting Gold Nanoparticles for Deliver of RNA and DNA Oligonucleotide Therapies for Glioblastoma*

Yaser Abdelrahman ElNakieb
Interdisciplinary Studies, specialization in Translational Bioengineering
Professor Ayman El-Baz
Dissertation: *The Role of MRI in Diagnosing Autism: a Machine Learning Perspective*

Jessica Marie Miller
Interdisciplinary Studies, specialization in Translational Bioengineering
Co-Mentors Professor Guruprasad Giridharan and
Associate Professor Tamer M. Mohamed
Dissertation: *Re-engineering Cardio-oncology Testing using Biomimetic Heart Slice Cultures*

Ahmed Mosaad Elsaid Mohamed Naglah
Interdisciplinary Studies, specialization in Translational Bioengineering
Professor Ayman El-Baz
Dissertation: *The Role of Generative Adversarial Networks in Bioimage Analysis and Computational Diagnostics*

School of Public Health and Information Sciences

Sahal Abdulrahman Alzahrani
Public Health Sciences
Professor Chris Johnson
Dissertation: *Rehabilitation Length of Stay in Individuals with Spinal Cord Injury Paraplegia*

Sagnik K. Bhadury

Biostatistics

Co-Mentors Associate Professor Jeremy Gaskins
and Associate Professor Riten Mitra

Dissertation: *Bayesian Methods for Graphical Models with Neighborhood Selection*

Sara Atherton Choate

Public Health Sciences

Associate Professor Liza Creel

Dissertation: *Meeting the Mental Health Needs of College-Aged Young Adults: Evaluating the Value and Impact of Digital Mental Health Interventions*

Siddhesh Shripad Kulkarni

Biostatistics

Associate Professor James Gaskins

Dissertation: *Bayesian Methodologies for Constrained Spaces*

Daniel Riggs

Public Health Sciences

Professor Kathy Baumgartner

Dissertation: *Ecological Differences in the Associations Between Air Pollution, Greenness, and Risk of Stroke: The Regards Study*

Don Ramesh Dinendra Sudaraka Tholkage

Biostatistics

Co-Mentors Associate Professor Qi Zheng and Professor K.B. Kulasekera

Dissertation: *Statistical Methods for Personalized Treatment Selection and Survival Data Analysis Based on Observational Data with High-Dimensional Covariates*

Madeline May Tomlinson

Public Health Sciences

Associate Professor Anne Baber Wallis

Dissertation: *A Mixed Methods Assessment of Menstrual Hygiene Management and School Attendance Among School Girls in Edo State, Nigeria*

Monique Williams

Public Health Sciences

Professor Monica Wendel

Dissertation: *"...You Can't Unknow It, It's a New Reality": A Case Study Exploring a Social Justice Public Health Intervention's Impact on Critical Consciousness Development in Youth*

Lindsey Adelle Wood
Public Health Sciences
Assistant Professor Natalie DuPré
Dissertation: *Environmental Noise Exposure and its Association with Elementary Standardized Testing Scores and Adult Mental Ill-Health in Louisville, Kentucky*

Yuanbao Zhang
Public Health Sciences
Professor Qunwei Zhang
Dissertation: *The Role of MMP-3 in Copper Oxide Nanoparticle-Induced Pulmonary Inflammation and Fibrosis*

Raymond A. Kent School of Social Work and Family Science

Katherine Cameron
Social Work
Professor Seana Golder
Dissertation: *Using the Behavioral Risk Factor Surveillance System to Evaluate Realized, Effective, and Equitable Healthcare Access in the Census Bureau's Region 3, Division 7*

Alyssa Ashlyn Middleton
Social Work
Co-Mentors Professors Karlynn BrintzenhofeSzoc and Karen Kayser
Dissertation: *Pediatric Oncology Social Work Job Analysis*

Sara M. Williams
Social Work
Associate Professor Laura Frey
Dissertation: *Stigma Described by Attempt Survivors with Divers Gender and Sexual Identities in Their Suicide Stories: A Hermeneutic Phenomenological Dissertation*

School of Medicine

Alyssa Sue Aebersold
Pharmacology and Toxicology
Professor Zhao-Hui Song
Dissertation: *Application of Cannabidiol to Ocular Pharmacokinetics and Pharmacodynamics*

Mark Vincent Carreon dela Cerna
Biochemistry and Molecular Genetics
Co-Mentors Assistant Professor T. Michael Sabo
and Associate Professor Brian Clem
Dissertation: *Applications of Nuclear Magnetic Resonance
Spectroscopy: From Drug Discovery to Protein Structure and Dynamics*

Greta Marie Cesarz
Physiology and Biophysics
Professor David Magnuson
Dissertation: *Defining the Impact of Clinically Modeled Hindlimb
Stretching, Exercise, & Inactivity on Functional Recovery after
Spinal Cord Injury*

Benjamin Tyler Charpentier
Anatomical Sciences and Neurobiology
Professor Scott Whittemore
Dissertation: *Targeting Pathological Changes in the Gut Protects
the CNS from Neuropathology*

Nagwa A. ElBaz
Pharmacology and Toxicology
Associate Professor Martin O'Toole
Dissertation: *The Impact of PEGylation on Cellular Uptake and in Vivo
Biodistribution of Gold Nanoparticle MRI Contrast Agents*

Kyle Levi Fulghum
Physiology and Biophysics
Professor Bradford Hill
Dissertation: *Metabolic Foundations of Exercise Induced Cardiac Growth*

Mariam Refaat Zaky Habil
Pharmacology and Toxicology
Professor David Hein
Dissertation: *Investigation of Human N-acetyltransferases
(NAT1 and NAT2) Genetic Polymorphisms in Susceptibility to
Aromatic Amine and Alkylaniline Genotoxicity*

Haiyan Lu
Pharmacology and Toxicology
Professor John P Wise, Sr.
Dissertation: *Translating Particulate Hexavalent Chromium-Induced
Chromosome Instability from Human Lung Cells to Experimental Animals,
Human Lung Tumors and Whale Cells*

Sean M. Raph
Pharmacology and Toxicology
Associate Professor Matthew Nystoriak
Dissertation: *Voltage Gated Potassium Channel Dependent Mechanisms of Cardiovascular Adaptation to Chronic Exercise*

Andre Dwyane Richardson
Pharmacology and Toxicology
Professor Daniel Conklin
Dissertation: *Tobacco-Derived Aldehydes, Platelets, and Thrombogenicity: Role of Transient Receptor Potential Ankyrin-1*

Rejeena Shrestha
Microbiology and Immunology
Co-Mentors Professors Jun Yan and Haribabu Bodduluri
Dissertation: *Induction of Trained Immunity by Particulate β -Glucan Controls Cancer Metastasis Through the Sphingolipids-Mediated Mitochondrial Fission Pathway*

Gregory James Russo States
Anatomical Sciences and Neurobiology
Professor David Magnuson
Dissertation: *Cadence and Range of Motion Modulate Pedal Force in a Rat Model of Motorized Cycling after Spinal Cord Injury*

Kate Elise Tarvestad
Pharmacology and Toxicology
Professor Brian Ceresa
Dissertation: *HGF-Mediated c-MET Signaling in Human Corneal Epithelial Cells*

Jennifer Haruka Toyoda
Pharmacology and Toxicology
Professor John Wise
Dissertation: *Molecular Mechanisms of Hexavalent Chromium-Induced Centrosome Amplification*

Evan Paul Tracy
Physiology and Biophysics
Associate Professor Amanda LeBlanc
Dissertation: *Stromal Vascular Fraction Restores Vasodilatory Function by Reversing Mitochondrial Dysfunction and Oxidative Stress in Aging-Induced Coronary Microvascular Disease*

Claire Elizabeth Westcott
Microbiology and Immunology
Associate Professor Kevin Sokoloski
Dissertation: *Defining the Importance of the HNRNP I Interaction to the Sindbis Subgenomic Viral RNA Using an Innovative Tethering Approach*

J. B. Speed School of Engineering

William Richard Arnold
Mechanical Engineering
Associate Professor Hui Wang
Dissertation: *Wet Chemical Synthesis and Properties of Argyrodite Sulfide Solid Electrolytes for Solid State Lithium Batteries*

Asma Baccouche
Computer Science and Engineering
Professor Adel Elmaghraby
Dissertation: *Computer Aided Diagnosis System for Breast Cancer Using Deep Learning*

Bhagyashri Aditya Bhagwat
Electrical Engineering
Associate Professor Michael McIntyre
Dissertation: *Nonlinear Observers for Burning Zone Temperatures and Torque Estimation of the Rotary Kiln*

Sonia Juliana Calero-Barney
Chemical Engineering
Professor Mahendra Sunkara
Dissertation: *Dilute Anion Alloying of III-V Semiconductors for Water Splitting*

Sagarkumar Dhirubhai Hirpara
Industrial Engineering
Professor Pratik Parikh
Dissertation: *Models and Algorithms for Trauma Network Design*

Hanqing Hu
Computer Science and Engineering
Professor Mehmed Kantardzic
Dissertation: *Solving the Challenges of Concept Drift in Data Stream Classification*

Muting Ma
Civil Engineering
Associate Professor Zhixia Li
Dissertation: *Optimal Scheduling of Connected and Autonomous Vehicles at Reservation-Based Intersection*

Mohamed Nazih Mohamed Shehata
Computer Science and Engineering
Co-Mentors Professors Adel Elmaghraby and Ayman El-Baz
Dissertation: *Voices of the "Served": Community Resident Perspectives on International Service-Learning in Peru*

Muhammad Zaigham Abbas Shah Syed
Computer Science and Engineering
Professor Adel Elmaghraby
Dissertation: *IoT In Smart Communities, Technologies and Applications*

Danming Wei
Electrical Engineering
Professor Dan Popa
Dissertation: *Design, Evaluation, and Control of NeXus: A Multiscale Additive Manufacturing Platform with Integrated 3D Printing and Robotic Assembly*

The Graduate Dean's Citations

Hisham Abouelseoud
Elsayem Abdeltawab
Ph.D. Interdisciplinary Studies,
specialization in Translational
Bioengineering
Mentor: Professor Ayman El-Baz

Courtney Alicia Albers
D.N.P. Nursing
Mentor: Associate Professor Sara
Robertson

Kritika Bajaj
Ph.D. Chemistry
Co-Mentors: Professors Craig
Grapperhaus and
Robert Buchanan

Tiffany Jo Brandt
Ph.D. Biology
Mentor: Associate Professor
Deborah Yoder-Himes

Nagwa A. ElBaz
Ph.D. Pharmacology and
Toxicology
Mentor: Associate Professor
Martin O'Toole

Kyle Levi Fulghum
Ph.D. Physiology and Biophysics
Mentor: Professor Bradford Hill

Kendall Leigh Griffin
M.S. Sport Administration
Mentor: Assistant Professor Adam
Cocco

Mariam
Refaat Zaky
Habil
Ph.D. Pharmacology and
Toxicology
Mentor: Professor David Hein

Hanjing Hu
Ph.D. Computer Science and
Engineering
Mentor: Professor
Mehmed Kantardzic

Ahmed Mosaad Elsaid
Mohamed Naglah
Ph.D. Interdisciplinary
Studies, specialization in
Translational Bioengineering
Mentor: Professor Ayman El-Baz

Jose M. Najera
M.S. Human Resources and
Organization Development
Mentor: Associate
Professor Ann Herd

Bolaji Michael Ogbulu
M.U.P. Urban Planning/
M.P.A. Public
Administration
Co-Mentors: Associate
Professors
Aaron Rollins and Sumei Zhang

Mohamed Nazih
Mohamed Shehata
Ph.D. Computer Science and
Engineering
Co-Mentors: Professors Adel
Elmaghraby and Ayman El-Baz

Rejeena Shrestha
Ph.D. Microbiology
and Immunology
Co-Mentors: Professors Jun
Yan and Haribabu Bodduluri

Kayla Jo Simpson
M.S. Health Administration
Mentor: Associate
Professor Lee Bewley

Dustin Ray Smith
M.A. Anthropology
Mentor: Assistant Professor
Thomas Jennings

Claire Elizabeth Westcott
Ph.D. Microbiology
and Immunology
Mentor: Associate Professor Kevin
Sokoloski

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Paul DeMarco

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Beth Boehm, Graduate School

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Toni Ganzel, School of Medicine

Mary DeLetter, Interim, School of Nursing

Crystal Collins-Camargo, Interim, Kent School of Social Work and Family Sciences

Amy Lingo, Interim, College of Education and Human Development

James Michael Mardis, Dean of Students, Vice Provost for Student Affairs

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Teresa Reed, School of Music

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Monica Gentili, Associate Professor in Industrial Engineering, J.B. Speed School of Engineering

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Lisa Markowitz, Associate Professor of Anthropology, College of Arts and Sciences

Michael McIntyre, Associate Professor of Electrical Engineering, J.B. Speed School of Engineering

Cami Nasr, Graduate Student Council President, Graduate Student in Physics, College of Arts and Sciences

Matthew Nelson, Associate Professor of Performance Studies, School of Music

Kelli Peck-Parrott, Clinical Professor of Educational Leadership, Evaluation, & Organizational Development, College of Education and Human Development

Meghan Pifer, Associate Professor of Higher Education Administration, College of Education and Human Development

Michele Pisano, Professor of Oral Biology, School of Dentistry

Christopher J. Ryan, Assistant Professor of Law, Law School

Tamara Sluss, Associate Professor of Urban and Public Affairs, College of Arts and Sciences

Patricia Soucy, Associate Professor of Bioengineering, J. B. Speed School Engineering

Joseph Steffen, Professor of Biology, College of Arts and Sciences

Allie Underwood, Graduate Student Council, Graduate Student in Social Work, Kent School of Social Work and Family Science

Monica Wendel, Professor of Health Promotion and Behavioral Sciences, School of Public Health and Information Sciences

Gerold Willing, Associate Professor of Chemical Engineering, J.B. Speed School of Engineering

