

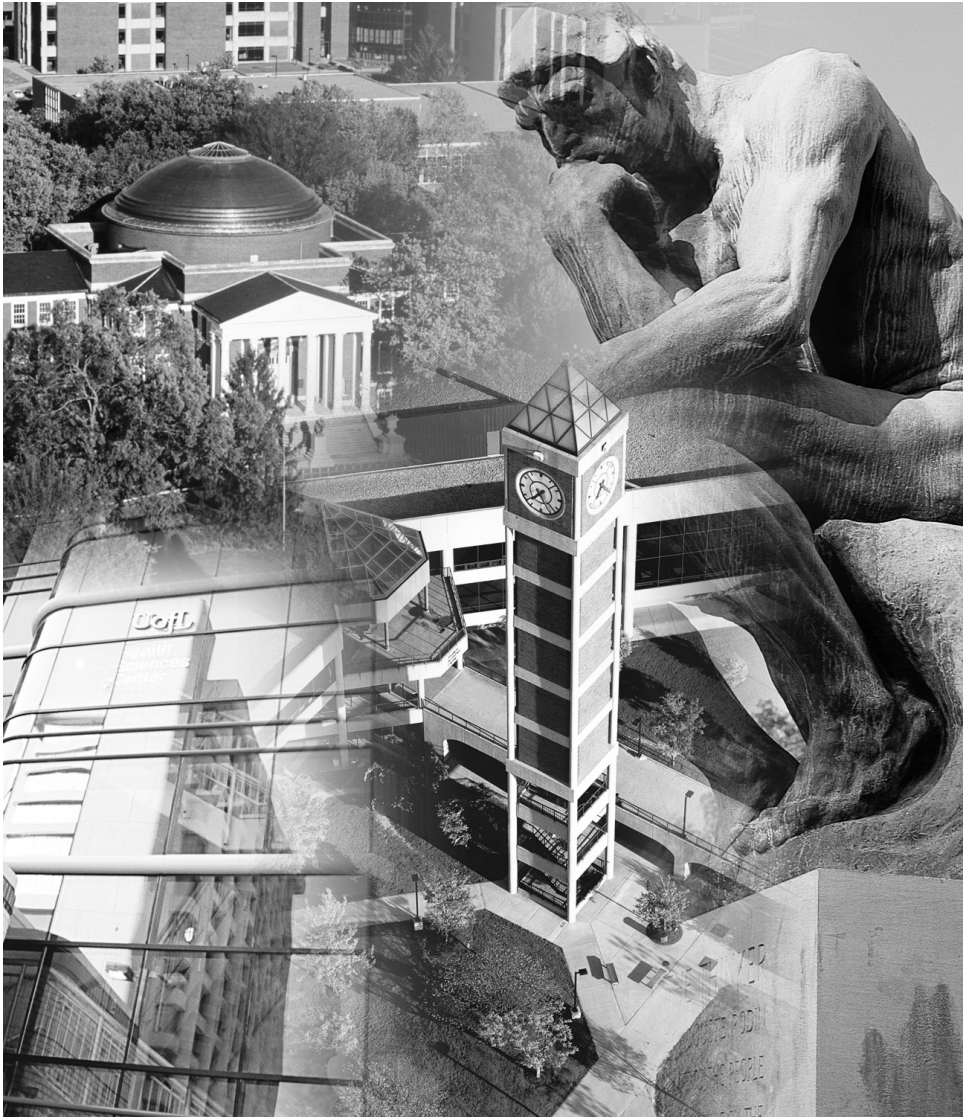


DOCTORAL HOODING & GRADUATION CEREMONY

Student Activities Center Ballroom

December 14, 2018

UNIVERSITY OF
LOUISVILLE



Doctoral Hooding and Graduation Ceremony

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UNIVERSITY OF
LOUISVILLE

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

Program

The Doctoral Hooding and Graduation Ceremony

Pre-ceremony Concert

Friday, December 14, 2018

1:30 – 2:00 p.m.

Student Activities Center Ballroom

Louisville Brass

Trumpet: Reese Land and Alex Cox

Horn: Bruce Heim

Trombone: Brett Shuster

Tuba: Clint McCanless

The Doctoral Hooding and Graduation Ceremony

2:00 – 3:15 p.m.

Student Activities Center Ballroom

Presiding Paul DeMarco, Ph.D.
Acting Dean, School of Interdisciplinary
and Graduate Studies

The Academic Procession

Grand Marshal

Presidential Party

School of Interdisciplinary and Graduate Studies Deans

Academic Unit Deans

Administrative Officers

Presidential Welcome Neeli Bendapudi, Ph.D.
President

Address to the Graduates Paul DeMarco, Ph.D.
Acting Dean, School of Interdisciplinary and Graduate Studies

Outstanding Student Remarks Evan Matthew Gora
Guy Stevenson Award Winner

Introduction of the School of Interdisciplinary and Graduate Studies' Outstanding Students

****Students in receipt of the following awards will be distinguished by wearing Red and Black Honor Cords***

Barbara Clark, Ph.D.
Acting Associate Dean
School of Interdisciplinary and Graduate Studies

The Guy Stevenson Award for Excellence in Graduate Studies

Evan Matthew Gora

Ph.D. Biology

Mentor: Professor Stephen Yanoviak

The Guy Stevenson Award for Excellence in Graduate Studies honors a former dean of the Graduate School and is presented to a doctoral degree recipient who excels in scholarship, leadership, and other areas within his or her discipline. Evan Matthew Gora is the recipient of this year's Stevenson award and as such, he serves as the School of Interdisciplinary and Graduate Studies' outstanding student and carries the banner at the main commencement ceremony to represent all doctoral graduates.

Evan describes himself as a "quantitative field ecologist". Evan's love for the environment was cultivated while growing up on a small farm in central Pennsylvania. That love grew into a passion for ecological research as an undergraduate at the University of Pittsburgh. There, Evan worked on multiple ecological studies before starting an independent project investigating a keystone resource—dead wood—in mature forests in Pennsylvania. That project served as Evan's honors thesis for his B.S. in Biology which he earned in 2013.

That same year, Evan came to the University of Louisville to work as a research technician in the lab of Professor Steve Yanoviak in the Department of Biology. The following year, Evan was accepted into the doctoral program in Biology to continue his work in Dr. Yanoviak's lab. For his doctoral research, Evan explored how wood decomposition contributes to forest carbon cycling, but also simultaneously helped set up a lightning monitoring system in Panama to survey the damage caused by lightning in literally thousands of tropical rainforest trees. Evan's mentor, Dr. Yanoviak, concluded that "In effect, Evan did enough work to write two dissertations."

Evan's productivity has resulted in ten first-author or co-authored published papers and four papers under review, one of which is in the journal prestigious journal *Nature*. His research has been funded by the National Geographic Society, the Smithsonian Tropical Research Institute, and by the National Science Foundation with an award of an extremely competitive NSF Graduate Research Fellowship. Evan has also been highly active in communicating his work both to the profession and to the public. He is an excellent public ambassador for science and for the university. He has given multiple public presentations in the United States and in Central America, and embraces opportunities to discuss his research with ecotourists at the Smithsonian Field Station in Panama.

Last year Evan was part of a team that represented UofL at the ACC ACCelerate Festival of Research at the Smithsonian Museum of American History in Washington DC. He also has generously devoted his time to mentoring and teaching undergraduate students in biology labs, and has been a leader in his department and an active member of the Biology Graduate Student Association, speaking out about potential improvements to the graduate program and issues of interest to graduate students. Evan is currently in postdoctoral position at UofL, continuing to investigate how lightning shapes tropical forest communities and ecosystem function.

The John M. Houchens Prize for Outstanding Dissertation

Cierra Nichole Sharp

Ph.D. Pharmacology and Toxicology

Mentor: Professor Leah Siskind

Cierra Nichole Sharp 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.

Cierra obtained her B.A. in 2013 from Transylvania University where she majored in Biology and minored in both Chemistry and Psychology and graduated *cum laude* with honors in Biology. She started the M.S./Ph.D. program in the Department of Pharmacology and Toxicology in 2015 in the laboratory of Dr. Leah Siskind, obtaining her M.S. in 2016 and her Ph.D. in 2018.

Cierra is first-author on four peer-reviewed publications, co-author on two additional peer-review publications, and a co-author on a book chapter. She presented her research at numerous regional, national, and international conferences, obtaining several awards for her presentations and for her travel. Cierra served as a mentor of three undergraduate researchers and consistently showed her leadership skills and desire to impart her passion for science to the next generation by serving for several years as a Bio-Rad Scientist Ambassador at local schools and volunteering as a Judge at the Louisville Regional Science and Engineering Fair.

The Houchens Prize recognizes the potential impact of Cierra's research on the development of a novel mouse model of cisplatin nephrotoxicity that more accurately reflects the dosing regimen that patients receive in the clinic. Cisplatin is used to treat many cancers, yet nephrotoxicity (kidney damage) is a common outcome for a subset of patients. Therefore the new mouse model is key to understanding the mechanisms responsible for cisplatin's dose-limiting kidney toxicity and the key role that comorbidities such as cancer and aging play in this nephrotoxicity. Cierra's data indicates that periodic low dosing of cisplatin leads to fibrosis rather than apoptotic and necrotic cell death. Her animal model suggests that even if there are not obvious overt clinical signs of decreased kidney function in patients receiving cisplatin, there may be substantial fibrotic changes that significantly increase their risk for developing chronic kidney disease.

Cierra was awarded a highly competitive Fellowship in Clinical Chemistry at the University of Louisville. She hopes to utilize her training in Clinical Chemistry in combination with her expertise in Pharmacology and Toxicology to bridge the gap between basic scientific research and clinical practice to ultimately improve patient outcomes.

The John Richard Binford Memorial Award

Ashlee J. Warnecke

Ph.D. Clinical Psychology

Mentor: Professor Richard Lewine

Ashlee J. Warnecke is a 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, leadership, and other areas within his or her discipline.

Originally from Kalida, Ohio, Ashlee began her college education with a B.A. in Psychology from Ohio Northern University, then obtained an M.A. in Psychology from Chatham University. She is graduating from the University of Louisville with a Ph.D. in Clinical Psychology, having pursued specialized training in stress and trauma in at-risk populations under the mentorship of Dr. Rich Lewine. She is currently a Clinical Psychology Postdoctoral Resident, Emphasis Area in Post-traumatic Stress Disorder and Related Anxiety Disorders at Michael E. DeBakey VA Medical Center, Houston, TX.

Combining long-standing interests in research and clinical service, Ashlee studies the impact of stress and trauma on a broad range of individuals, from college students to patients in psychiatric hospitals. She has frequently presented at professional conferences, and is first-author or co-author of nine peer-reviewed articles. Her professional service has been exemplary, ranging from her four-year service as a graduate student ambassador to administrative contributions to the Psychological Services Center at the University of Louisville and community work in drug addiction to working with active duty military personnel at Ft. Knox. Linking all her professional work is a dedication to the understanding and effective treatment of trauma and stress-related disorders, while also recognizing the resilience that often emerges from facing adversity.

Following her post-doctoral fellowship, Ashley intends to continue pursuing her interests as a scientist-practitioner.

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

Meagan Sue Taylor

M.A. Anthropology

Mentor: Professor Julie Peteet

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 former Graduate School, the School of Interdisciplinary and Graduate Studies, the Staff Senate, and the University of Louisville community and recognizes a master degree recipient who exhibits leadership through service to the recipient’s program, college, discipline, the University as a whole, and/or the community. Meagan Sue Taylor is this year’s recipient of the Madden award.

Meagan entered the Anthropology M.A. Program in the spring of 2017 to pursue refugee and immigrant studies as a cultural anthropologist. During her graduate career, she took classes such as Refugees and Mobility, and Volunteerism that further shaped her interests and her understanding of their applications to real world experiences. Alongside classes, Meagan took an active role on campus and within the community. In her first semester of graduate school, she became the Graduate Network of Arts and Sciences Representative as well as the Secretary of the Anthropology Graduate Student Association (AGSA) where she served as a liaison between the organizations and the graduate students. To complement her academic focus, she volunteered at Americana World Community Center in the after-school program assisting teachers in art and creative writing classes. In the Spring of 2018, she became the President of AGSA and shortly after that, she started in a new intern role at Kentucky Refugee Ministries in Louisville, supporting the Family and Youth Services programs with summer camp and school registration. Within that intern role, she participates in the “In-Project” at Kenwood Elementary where the teachers combine anti-bullying awareness with promoting culture and ethnic diversities among the students. Meagan is looking into future careers that aid in refugee resettlement and post-resettlement programs and teaching English. She hopes to continue her work in non-profits, providing the holistic and open-minded perspectives she has acquired and developed through her educational career as a cultural anthropologist.

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

Allan A. Day

M.A. Anthropology

Mentor: Assistant Professor Angela Storey

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 former Graduate School, School of Interdisciplinary and Graduate Studies at the University of Louisville. 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. Allan A. Day is this year's recipient of the Barns award.

Allan graduates with an M.A. in Anthropology and exemplifies the spirit of the award as he achieved academic excellence while being the sole parent to a young daughter. Allan received a B.A. degree in English in 2016 from Indiana University-Southeast, New Albany IN., and joined the M.A. Program in Anthropology to pursue his interest in sustainability and the environment. His research focused on the utility of cooperative grocery stores from a social sciences perspective and his work contributed to start such an operation in Louisville. A second project developed from a political ecology class where he explored students' changing conceptions of nature and the environment.

Outside the classroom, Allan's service included involvement with the World Wide Opportunities on Organic Farms program, where he connected volunteers to organic farms. His interest in sustainability led to volunteer work with the Citizen Forester program at Louisville Grows, a nonprofit organization supporting urban agriculture, urban forestry, and environmental education. Citizen Foresters are specially trained to lead teams of volunteers for tree planting events. Allan also completed an internship at Louisville Grows that transitioned into a full-time fund development position through the Americorps Vista program. In the future he hopes to train as an urban arborist apprentice and combine this skill set with efforts at the non-profit Louisville Grows organization. Allan will continue his work at Louisville Grows, with his interest in community-level approaches to achieve sustainability goals as a guide to future opportunities.

Degrees - August and December 2018

**Students in receipt of The Graduate Dean's Citation*

Introduction of Candidates for the Doctor of Nursing Practice and Their Faculty Mentors

Barbara Clark, Ph.D.

Acting Associate Dean,

School of Interdisciplinary and Graduate Studies

Lela Ann Baker

Nursing

Assistant Professor Beverly Williams Coleman

Project: *Interprofessional Collaborative Practice in Perinatal Healthcare to Improve Teamwork and Communication Using a Huddle Strategy*

Elisabeth Marie Volpert

Nursing

Co-Chairs Professor Barbara Polivka and

Assistant Professor Luz Huntington-Moskos

Project: *Assessment and Documentation of Electronic Cigarettes Use in the Primary Care Setting*

Introduction of Candidates for the Doctor of Education and Their Faculty Mentors

Barbara Clark, Ph.D.

Acting Associate Dean,

School of Interdisciplinary and Graduate Studies

Terra Greenwell

Educational Leadership and Organizational Development

Professor Mary Brydon-Miller

Dissertation: *Deindustrializing School: The Implementation of Career Academies and Implications for School Leaders*

Carlisha Kent

Educational Leadership and Organizational Development

Professor Mary Brydon-Miller

Dissertation: *Mentee and Mentor Teacher Perspectives on the Effectiveness of School-Based Mentorship in High-Poverty, Low-Performing Schools*

Dawn Boone Roseberry

Educational Leadership and Organizational Development

Professor Mary Brydon-Miller

Dissertation: *Student Perception of the Effects of Out of School Suspension on Academic Motivation*

Amanda Leigh Santos-Colon

Educational Leadership and Organizational Development
Professor Mary Brydon-Miller
Dissertation: *Mentee and Mentor Teacher Perspectives on the Effectiveness of School-Based Mentorship in High-Poverty, Low-Performing Schools*

C. Angelique Scherer

Educational Leadership and Organizational Development
Professor W. Kyle Ingle
Dissertation: *An Examination of PBIS Implementation Fidelity and Student Outcomes in an Urban School District*

Ronda Elizabeth Scrubb

Educational Leadership and Organizational Development
Co-Chairs Associate Professor W. Kyle Ingle and
Assistant Professor Detra Johnson
Dissertation: *Present but not Accounted for: A Phenomenological Study of Gifted African American Males*

De’Nay Lanise Speaks

Educational Leadership and Organizational Development
Co-Chairs Associate Professor W. Kyle Ingle and
Assistant Professor Detra Johnson
Dissertation: *Counter Narratives: A Phenomenological Study of High Achieving African American Male High School Students*

Whitney Mignon Stewart

Educational Leadership and Organizational Development
Co-Chairs Professor Mary Brydon-Miller and
Assistant Professor Detra Johnson
Dissertation: *Student Voices: African American High School Seniors’ Perception of Culturally Responsive Teaching*

Introduction of Candidates for the Doctor of Philosophy and Their Faculty Mentors

Barbara Clark, Ph.D.
Acting Associate Dean,
School of Interdisciplinary and Graduate Studies

College of Arts and Sciences

Kathryn Gardner Adamchik

Applied Sociology
Associate Professor Robert Carini
Dissertation: *“Why Am I in School”: A Mixed Methods Investigation into Stopping Out of College*

* **Eston Dillon Adams**

Art History

Associate Professor Christopher Fulton

Dissertation: *The History and Signification of the Navicella Mosaic at Saint Peter's Basilica, Rome*

Jennifer K. Altman

Clinical Psychology

Professor Paul Salmon

Dissertation: *Cross-Validation of the Body Compassion Scale in a Sample of Women in Perimenopause*

Boris Anatolyevich Anokhin

Chemistry

Professor Muriel Maurer

Dissertation: *Coagulation Factor XIII A: Biochemical Properties Underlying Physiological Function*

Craig Francis Barham

Urban and Public Affairs

Professor Steven Koven

Dissertation: *Public Policy and Strategies to Support Institutional and Technological Innovation in the New Water Economy: The Example of Innovation Technology Clusters in Developing and Diffusing Water Technologies*

J. Gavin Bradley

Biology

Professor Perri Eason

Dissertation: *The Population Ecology and Behavior of the Cave Salamander, Eurycea Lucifug (Rafinesque, 1822)*

David Ira Buckner

Humanities

Professor Thomas Maloney

Dissertation: *The Emperor's New Clothes: How the New Atheists are Reminding the Humanities of Their Place and Purpose in Society*

Lisa Grace Carpenter

Art History

Associate Professor Christopher Fulton

Dissertation: *Frederic Lindley Morgan: An Architect of Contrasts*

Darlene Marie Davis

Clinical Psychology

Professor Richard Lewine

Dissertation: *Repetitive Negative Thinking Styles and First-Semester Academic Performance: Psychological Risk and Resilience Among Low-Income College Students*

Megan Christine DeWhatley

Biology

Associate Professor James Alexander

Dissertation: *Impacts of Ammonia and Temperature on Freshwater Snail Behavior and Physiology*

* **Rene Elad Ebule**

Chemistry

Professor Gerald B. Hammond

Dissertation: *Investigating the Unique Reactivity of Novel HX (X=Cl,Br) Reagents with Alkenes and Alkynes*

* **Gregory Matthew Ellis**

Experimental Psychology

Professor Pavel Zahorik

Dissertation: *The Effects of Monaural and Binaural Cues on Perceived Reverberation by Normal Hearing and Hearing Impaired Listeners*

Melissa E. Ellsworth

Clinical Psychology

Professor Richard Lewine

Dissertation: *Fostering Positive Emotion through Self-Compassion in Individuals with Chronic Pain*

* **Ryan Gipson**

Applied and Industrial Mathematics

Professor Hamid Kulosman

Dissertation: *Factorization in Integral Domains*

* **Evan Matthew Gora**

Biology

Professor Stephen Yanoviak

Dissertation: *Dead Wood and Decomposition in a Tropical Forest: Vertical Patterns, Long-Term Processes, and the Role of Lightning*

Wes Grooms

Urban and Public Affairs

Professor Janet Kelly

Dissertation: *The 'Just City' or Just a City? Evaluating Social Justice and Equity in Planning Education*

Robin F. Hopkins

Experimental Psychology

Professor Keith Lyle

Dissertation: *Accuracy Differences Between Interview Formats: Examining Factors that May Influence Metamemory Utilization*

Myra Jean Fallon Huffman

Experimental Psychology

Professor Carolyn Mervis

Dissertation: *Speech Articulation in Children with Williams Syndrome or 7q11.23 Duplication Syndrome*

Elijah Robert Jensen

Physics

Professor John Kielkopf

Dissertation: *High Dynamic Range Optical Devices and Applications*

Elizabeth Michele Jones

Urban and Public Affairs

Professor David Imbroscio

Dissertation: *"The Unequal City: The Mass Criminalization of the Urban Poor"*

Ghina Kheir

Humanities

Professor Julie Peteet

Dissertation: *Arab-Islamic and Folk Health Models: New Perspectives on Syrian Refugee Resettlement in the U.S.*

* **Venkata Swathi Kuppireddy**

Biology

Co-Chairs Professor Michael Perlin and

Professor Perri Eason

Dissertation: *Identification and Functional Characterization of Effectors an Anther Smut Fungus, Microbotryum lychnidis Dioicae*

Marcus Leppanen

Experimental Psychology

Professor Keith Lyle

Dissertation: *Effects of Context and Individual Differences on Memory for Prior Remembering*

Stephanie R. McDonough

Clinical Psychology

Professor Barbara Stetson

Dissertation: *Weight Stigma and Motivation to Exercise: Exploring Associations and Constructs from the Basic Needs Theory*

Cassandra Christina Rausch

Criminal Justice

Professor Deborah Keeling

Dissertation: *Program Evaluation of the Knoxville Police Department Forensic Crime Unit*

Virginia Paulette Redman

Criminal Justice

Professor Viviana Andreescu

Dissertation: *Macro-Level Predictors of Assaults Against the Police in Kentucky*

Abigail Nicole Schnepf

Chemistry

Professor M. Cecilia Yappert

Dissertation: *The Regional Distribution and Molecular Interactions of Phospholipids and Glucose in Mammalian Vitreous Humors*

William D. Simpson

Humanities

Professor John Gibson

Dissertation: *Transcending the Panels: Varieties of Experience and Selfhood in Comics*

Ronald W. Smith

Clinical Psychology

Professor Suzanne Meeks

Dissertation: *Screening Older Adults for Depression: The Relationship Among Clinical Discipline Training, Barriers, Attitudes, Norms, and Perceived Behavioral Control*

Surina

Applied and Industrial Mathematics

Co-Chair Professor Yongzhi Xu and

Professor Prasanna Sahoo (Deceased)

Dissertation: *Information Theoretic Thresholding Techniques Based on Particle Swarm Optimization*

Ghazel Tellawi

Clinical Psychology

Professor Richard Lewine

Dissertation: *Microaggressions in LGB Individuals: The Protective Role of Positive LGB Identity*

Jeremy Robert Vates

Applied and Industrial Mathematics

Professor Daniel Smith-Tone

Dissertation: *Developments in Multivariate Post Quantum Cryptography*

* **Ashlee J. Warnecke**

Clinical Psychology

Professor Suzanne Meeks

Dissertation: *First Semester Academic Functioning of College Students: The Rose of Stressful and Traumatic Life Events*

Rong Zhao

Physics

Professor Gamini Sumanasekera

Dissertation: *Plasma Based Synthesis and Surface Modification of Graphene*

Congyan Zhang

Physics

Associate Professor Ming Yu

Dissertation: *Computational Prediction, Characterization, and Methodology Development for Two-Dimensional Nanostructures: Phosphorene and Phosphide Binary Compounds*

Lauren Ann Zimmaro

Clinical Psychology

Professor Sandra Sephton

Dissertation: *Understanding the Relationship Between Positive Affect and Cortisol in Lung Cancer Patients*

College of Business

Yuhan Hua

Entrepreneurship

Associate Professor Robert Garrett

Dissertation: *How Do Entrepreneurs React to Investor Rejection, Try Harder or Move On?*

Shankar Naskar

Entrepreneurship

Professor James Fiet

Dissertation: *The Influence of High-Performance Work Systems and Intangible Strategic Resources on the Entrepreneurial Orientation-Firm Performance Relationship*

College of Education and Human Development

*** Jane E. Andris**

Curriculum and Instruction

Professor Lori Norton-Meier

Dissertation: *Children's Play, Early Literacy, and Educational Inequities*

Sebastian Mitchell Barr

Counseling and Personnel Services

Associate Professor Kate Snyder

Dissertation: *Understanding the Relationship Between Anti-Transgender Bias, Non-Affirmation, and Post-Traumatic Stress: A Model of Internalized Transphobia-Mediated Post-Traumatic Stress*

Quentin Hunter

Counseling and Personnel Services

Co-Chair Professor Richard Balkin and Professor Ahmad Washington

Dissertation: *Using Reality Therapy in Clinical*

Supervision: A Psychotherapy-Driven Model

Ann Katherine James

Counseling and Personnel Services

Associate Professor Amy Hirschy

Dissertation: *Sexual Violence and the Institutional*

of First-Year College Students

Bethany Lynne Keller

Counseling and Personnel Services

Co-Chair Professor Laurie McCubbin and Professor Anita Barbee

Dissertation: *Stalkers: What Are They Thinking?*

Jeffrey Frank Levine

Educational Leadership and Organizational Development

Co-Chairs Professor Mary Hums and

Professor Anita Moorman

Dissertation: *Exploring the Capabilities Approach in*

a Sport for Development and Peace Setting

John Leonard Mettill III

Educational Leadership and Organizational Development

Associate Professor Jacob Gross

Dissertation: *Student Engagement in Post-Soviet Higher*

Education: Coping with Academic Quality Problems

Dylan Joseph Naeger

Educational Leadership and Organizational Development

Co-Chairs Professor T. Christopher Greenwell and Professor Mary Hums

Dissertation: *Physical Education Activity Courses: An Exploration*

of How Enrollment Influences Student Retention Rates

Ebo Kobena Atombo Osam

Educational Leadership and Organizational Development

Professor Brad Shuck

Dissertation: *An Examination of the Linkages Between*

Climate, Engagement, and Wellbeing in Higher Education

Tracy Johnson Richardson

Educational Leadership and Organizational Development

Associate Professor Meera Alagaraja

Dissertation: *Is the Sum Greater Than the Parts? A Qualitative*

Case Study of Cross-Functional Team Creativity

Katelyn Marie Gosnell Richey

Counseling and Personnel Services
Co-Chair Professor Richard Balkin and
Professor Ahmad Washington
Dissertation: *Race in Predominately White
Schools: Implications for School Counselors*

Sarah J. Roane

Counseling and Personnel Services
Professor Patrick Pössel
Dissertation: *Does Rumination Mediate the Relationship
Between Everyday Discrimination and Blood Pressure?*

Rosamond J. Smith

Counseling and Personnel Services
Professor Patrick Pössel
Dissertation: *The Role of Hardiness in the Relation
Between Perceived Daily Discrimination and Depressive
Symptoms in Community College Students*

Jayden Thai

Counseling and Personnel Services
Professor Laurie McCubbin
Dissertation: *Transgender and Racial Identities Negotiation
Processes of Transgender Asians, Asian Americans, and Pacific
Islanders: A Transcendental Phenomenological Examination*

Jonathan David Watkins

Curriculum and Instruction
Co-Chairs Associate Professor Susan Peters
and Associate Professor Jill Adelson
Dissertation: *Exploring the Knowledge of Algebra for Teaching*

James F. Weiner

Educational Leadership and Organizational Development
Professor T. Christopher Greenwell
Dissertation: *An Examination of Box Office Relationship Quality
and Relationship Selling in Division I College Athletics*

School of Interdisciplinary and Graduate Studies

Shanice Vera Hudson

Interdisciplinary Studies
Co-Chairs Professor Gavin Arteel and
Associate Professor Hermann Frieboes
Dissertation: *Innate Immunity, the Hepatic Extracellular Matrix,
and Liver Injury: Mathematical Modeling of Metastatic Potential
and Tumor Development in Alcoholic Liver Disease*

Katharine L. Salomon

Interdisciplinary Studies

Professor Ryan Schroeder

Dissertation: *Art Theft, Art Vandalism, and Guardianship in U.S. Art Institutions*

Patrick J. Trainor

Interdisciplinary Studies

Professor Shesh Rai

Dissertation: *Bayesian Analytical Approaches for Metabolomics: A Novel Method for Molecular Structure-Informed Metabolite Interaction Modeling, a Novel Diagnostic Model for Differentiating Myocardial Infarction Type, and Approaches for Compound Identification Given Mass Spectrometry Data*

School of Medicine

Neal Bhutiani

Microbiology and Immunology

Professor Nejat Egilmez

Dissertation: *Combination Oral Immunotherapy with IL-10 and IL-12 Effectively Treats Colon Tumors Via Synergistic Effects on IL-17 Producing T Cells and Colon Epithelial Barrier Integrity*

* **Kyle Bohnert**

Anatomical Sciences and Neurobiology

Professor Ashok Kumar

Dissertation: *Unfolded Protein Response Pathways in Skeletal Muscle Homeostasis*

Samantha Marie Carlisle

Pharmacology and Toxicology

Professor David Hein

Dissertation: *Deciphering the Role of Human Arylamine N-Acetyltransferase 1 (NAT1) in Breast Cancer Cell Metabolism Using a Systems Biology Approach*

* **Naomi Ekavi Charalambakis**

Anatomical Sciences and Neurobiology

Professor William Guido

Dissertation: *The Migration and Developmental Remodeling of Intrinsic Interneurons in Visual Thalamus and the Role of Retinal Signaling*

Liya Chen

Pharmacology and Toxicology

Co-Chairs Assistant Professor Juliane Beier and Professor Gavin Arteel

Dissertation: *The Role of Aldehyde Dehydrogenase 2 in Liver Injury Caused by Vinyl Chloride and High-Fat Diet*

Paul Lorenzo Dascani

Microbiology and Immunology

Professor Jun Yan

Dissertation: *CD11B Regulation of B Cell Receptor Signaling in Health and Systemic Lupus Erythematosus*

* **Joshua Ethan Denny**

Microbiology and Immunology

Associate Professor Nathan Schmidt

Dissertation: *Characterizing the Gut Microbiota During Plasmodium Infection and Antimalarial Treatment*

Jon David Faughn

Biochemistry and Molecular Genetics

Professor Christine Schaner Tooley

Dissertation: *The N-Terminal Methyltransferase Homologs NRMT1 and NRMT2 Exhibit Regulation of Activity through Heterotrimer Formation*

Julie A. Gosney

Pharmacology and Toxicology

Professor Brian Ceresa

Dissertation: *EGFR Signaling from the Early Endosome*

* **Josiah Everett Hardesty**

Biochemistry and Molecular Genetics

Associate Professor Matt Cave

Dissertation: *Epidermal Growth Factor Receptor (EGFR) Inhibition by Polychlorinated Biphenyls Contributes to Non-Alcoholic Fatty Liver Disease*

Qian Lin

Pharmacology and Toxicology

Professor Yi Tan

Dissertation: *A Novel Fibroblast Growth Factor 1 Variant Reverses Nonalcoholic Fatty Liver Disease in Type 2 Diabetes*

Avisek Majumder

Biochemistry and Molecular Genetics

Professor Suresh Tyagi

Dissertation: *Effect of Hydrogen Sulfide in Hyperhomocysteinemia-Mediated Skeletal Muscle Myopathy*

Ryan McAllister

Pharmacology and Toxicology

Professor Jesse Roman

Dissertation: *Perinatal Nicotine with or without Early Life Influenza Infection Leads to Lung Dysfunction with Age*

Ashley Marie Mudd

Pharmacology and Toxicology

Professor Ramesh Gupta

Dissertation: *Influence of Bilberry-Derived Anthocyanidins on Key Regulators of Colorectal Cancer Development*

Christopher David Nevitt

Biochemistry and Molecular Genetics

Professor Christine Schaner Tooley

Dissertation: *Alpha-Amino Methylation and Acetylation are Novel Regulators of MYL9 Function*

Linda Omer

Biochemistry and Molecular Genetics

Associate Professor Nolan Boyd

Dissertation: *Creating a Research Tool: Low Density Lipoprotein Receptor Correction and Comparative Investigation of Statin Effects on Derived Cells from Familial Hypercholesterolemia with Class II Mutation*

Harshulkumar M. Pandit

Pharmacology and Toxicology

Professor Robert Martin II

Dissertation: *WNT/ β -Catenin Mediated Cancer Stem Cell Activation in Hepatocellular Carcinoma*

* **Jennifer Rios-Pilier**

Anatomical Sciences and Neurobiology

Professor Robin Krimm

Dissertation: *Role of TrkB-Signaling in Taste Development and Function*

* **Cierra Nichole Sharp**

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Professor Leah Siskind

Dissertation: *A Clinically Relevant Mouse Model of Cisplatin-Induced Kidney Injury*

Kaitlyn Marie Shields

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Professor Alan Cheng

Dissertation: *Investigating the Impact of NRMT1 Cancer Mutants on Catalytic Specificity and the DNA Damage Response*

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Dissertation: *Organization and Development of Cholinergic Input to the Mouse Visual Thalamus*

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Dissertation: *Canonical Nuclear Factor- κ B Signaling in Satellite Stem Cell Homeostasis and Function*

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Dissertation: *Fostering Compassionate Care for Persons with Alzheimer's Disease Living in Nursing Facilities*

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Social Work

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Dissertation: *Assessing the Affects of Treatment Services, Financial Assistance, Race/Ethnicity, and Income on the Criminal Justice Outcomes of Women on Probation*

School of Public Health and Information Sciences

Soutik Ghosal

Biostatistics and Decision Science

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Dissertation: *Generalized Spatiotemporal Modeling and Causal Inference for Assessing Treatment Effects for Multiple Groups for Ordinal Outcome*

Brian Eugene Guinn

Public Health Sciences

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Dissertation: *Lead and Crime: An Ecological Study Between Lead Contaminated Topsoil and Violent Crime*

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Dissertation: *Coal Ash Exposure and Behavioral Impairments among Children in Louisville, Kentucky*

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Dissertation: *Association Between Cigarette Smoking and Ovarian Reserve Among Women Seeking Fertility Treatment with Effect Modification by Race and NAT2 Genotype*

Evangeline Jane Pierce

Public Health Sciences

Professor Richard Baumgartner

Dissertation: *Is Macrolide and Beta-Lactam Combination Therapy Associated with Early Clinical Stability or Thirty Day Mortality in Patients Hospitalized with Community Acquired Pneumonia? An Assessment of Confounding by Indication*

J. B. Speed School of Engineering

Omar Ashraf Abdelwahab

Computer Science and Engineering

Professor Adel Elmaghraby

Dissertation: *A Transfer Learning Approach for Sentiment Classification*

Md Ashabul Anam

Industrial Engineering

Professor Li Yang

Dissertation: *Microstructured and Mechanical Properties of Selective Laser Melted Superalloy Inconel 625*

Kasun Fernando

Electrical Engineering

Professor Bruce Alphenaar

Dissertation: *Hybrid Perovskite Characterization and Device Applications*

Lars Herhold

Industrial Engineering

Professor Brent Stucker

Dissertation: *Modeling and Validation of Control Parameters for Material Extrusion-Based Additive Manufacturing of Thixotropic Aluminum Alloys*

Harish Irrinki

Mechanical Engineering

Professor Sundar Atre

Dissertation: *Material-Process-Property Relationships of 17-4 PH Stainless Steel Fabricated by Laser-Powder Bed Fusion Followed by Hot Isostatic Pressing*

Saliya Mahesh Kumara Kirigeeganage

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Dissertation: *Modeling and Simulation Methodologies for Spinal Cord Stimulation*

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Dissertation: *Characterization of Microreactor and Analysis of Carbonyl Compounds in Exhaled Breath*

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Dissertation: *Spam Elimination and Bias Correction: Ensuring Label Quality in Crowdsourced Tasks*

Hadi Miyanaji

Industrial Engineering
Professor Li Yang
Dissertation: *Binder Jetting Additive Manufacturing Process Fundamentals and the Resultant Influences on Part Quality*

Subrata Deb Nath

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Dissertation: *Process-Property-Structure Relationships in Laser-Powder Bed Fusion of 420 Stainless Steel*

Pranoy Deb Shurva

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Dissertation: *Exploration of Radiation Damage Mechanism in MEMS devices*

Di Zhang

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Dissertation: *Solving School Bus Routing and Student Assignment Problems with Heuristic and Column Generation Approach*

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Naomi Charalambakis

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Ph.D. Clinical Psychology
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Ph.D. Interdisciplinary Studies
MAGS Executive Board Member
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2015-2016

Elijah Robert Jensen

Ph.D. Physics
GSC Finance
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