UNDERGRADUATE RESEARCH & FELLOWSHIPS •

27th EURECA Exhibition of Undergraduate Research and Creative Achievement

April 25, 2023



Caleb Hupp Performing,"Rebonds B" by Iannis Xenakis





College of Arts and Sciences Visual and Performing Arts/Music

Presented by, Dr. Andrew Skoog

Professor and Area Coordinator of Voice,

School of Music

UNDERGRADUATE RESEARCH & FELLOWSHIPS

School of Music

Third Place Amara Pappas

Elle et moi by Amy Beach;

Everything Else from **Next to Normal** by Tom Kitt

Mentor: Andrew Skoog



School of Music

Second Place Emma Woodward

Symphonie espagnole, Movement No. 1 by Édouard Lalo Mentor: Miroslav Hristov



School of Music

<u>First Place</u> **Caleb Hupp** *Rebonds B by Iannis Xenakis* Mentor: Andrew Bliss

UNDERGRADUATE RESEARCH & FELLOWSHIPS

27th EURECA Exhibition of Undergraduate Research and Creative Achievement

College of Arts and Sciences Humanities

Presented by,

Dr. Stefanie Ohnesorg

Associate Professor and Chair of the German Program Department of World Languages and Cultures College of Arts and Sciences



Achievement Award

Delia McDevitt

Juror Bias and Epistemic Injustice in Sexual Assault Trial Procedures Mentor: Georgi Gardiner



Achievement Award

Tony J Caldwell

The Role of the Roman Emperor in a Provincial Society: Multiple Correspondence Analysis of Identities in the Latin Epigraphy of Africa Proconsularis Mentor: Stephen Collins-Elliott



Achievement Award

Angelica Williams

Activism in the Archives: A Glimpse of Social Movements in the Department of Africana Studies Mentor: DeLisa Hawkes



Achievement Award

Corinne Kamien

International Sisters? Interactions between U.S. Female Missionaries and Mexican Women, from the 19th to 20th Centuries

Mentors: Tore Olsson & Jacob Latham



Achievement Award

Brett Rogers

From Maciunas to Branca: Fluxus Principles in the No Wave Movement Mentor: Rachel Golden



Achievement Award

Tate Mobley

The Powerful Mary: An Analysis of Late Medieval Miniatures in Speculum Humanae Salvationis Mentor: Mary Dzon



Achievement Award

Makaela Webb

The Vesey Conspiracy of 1822: The Nonexistent Revolt that Changed History Mentor: Beau Gaitors



Achievement Award

Nicole Deasy

All You Knead is Love: The Lives of the Liddell Sisters and the Founding of the Love Kitchen Mentors: Brandon Winford & Jacob Latham





Presented by, Dr. Larry McKay

Associate Dean for Research and Facilities College of Arts and Sciences

UNDERGRADUATE RESEARCH & FELLOWSHIPS

Achievement Award

Raegan van Wirt

Exploring Mu-Opioid Receptor Dynamics Using Single-Molecule Fluorescence

Mentor: Rajan Lamichhane



Achievement Award

Jessica Kearney

Elucidating patterns of defeat-induced social avoidance behavior and medial amygdala activity in female Syrian hamsters Mentor: Matthew Cooper



Achievement Award

Jessica Olatt & Charlie Olson

Sleep-Disruptive Doses of Morphine and Fentanyl are Antinociceptive in C57BL/6J (B6) Mice

Mentor: Helen Baghdoyan



Achievement Award

Yaswanth Singamaneni & Benjamin Kilgore

Effects of Social Play on Neural Plasticity and Stress Susceptibility in Syrian Hamsters

Mentor: Matthew Cooper



Achievement Award

Tyler Myers

Mind-Altering Microbes: Impacts of Gut Bacteria on Animal Host Development and Behavior

Mentors: Heidi-Goodrich-Blair & Jennifer Heppert



Achievement Award

Lucas McBee

Soliton Behavior Arising from a Novel Quartic Spin Interaction in Sr2IrO4

Mentor: Jian Liu



Achievement Award

Kanan Wise

Dark Matter Search with Neutrons

Mentor: Yuri Kamyshkov



Achievement Award

Marla Leone

Further Evidence for a Chemical Mirror in Socially Naïve Sibling Common Garter Snakes (Thamnophis sirtalis)

Mentor: Gordon Burghardt



Achievement Award

Sydney Baldwin

Effects of Pollinator Feeding Behavior and Visit Duration on Seed Set in Asteraceae

Mentor: Laura Russo



Achievement Award

Angela Jo & Benjamin Bridges

Deep Learning algorithms aid in distinguishing characteristics of mouse fine motor movement during a pellet grasping assay

Mentors: Keerthi Krishnan & Michael Mykins



Achievement Award

Benjamin Kilgore

The Effects of Social Isolation on Cortical Plasticity and Stress-Induced Social Anxiety

Mentor: Matthew Cooper



Achievement Award

Ghaeath Abbas & Elijah Greene

The Effects on Expression Levels of Heterologous Gene BpsA in Streptomyces Albus Based on Genomic Loci and Rare Codon Usage

Mentor: Constance Bailey



Achievement Award

Zan Killeffer

Consequences of autotetraploidy on sexual allocation in Galax urceolata Mentor: Joseph Williams



Achievement Award

Taylor Smith

Investigation into the identity and function of an uncharacterized brown pigment produced by the marine bacterium Ruegeria pomeroyi DSS-3 Mentor: Alison Buchan



Achievement Award

Alex Dowd

Are fungal endophytes of fire adapted plants also fire adapted? Mentor: Karen Hughes



Achievement Award

Sanaz Hossain

Exploring the Effect of Glucose Starvation on CTCF Genomic Binding Following DNA Damage Exposure Mentor: Rachel Patton McCord



Achievement Award

Ohm Sharma

Anxiety-like Behavior in C57BL/6J Mice is Sexually Dimorphic and Altered by Buprenorphine Mentor: Ralph Lydic



Achievement Award

Shabré Eskridge

Overexpression of mitochondrial glutamate transporter rescues the lipid droplet mutant Mentor: Amit Joshi



Achievement Award

Luke Carpenter

Searching for new Physics in Muon Colliders: What Could We Find?

Mentor: Tova Holmes



Achievement Award

Alexandra McBryar & Joseph Martin

Effects of Perineuronal Net Manipulation in Female Mouse Model For Rett Syndrome

Mentor: Keerthi Krishnan



Achievement Award

Gage Coon

Mentor: Karen Llovd

Mentor: Karen Lloyd



Achievement Award

Moneera Khan & Abby Solano

The Effects of Pubertal Timing on Perineuronal Net Development in the Hippocampus in c/57 Mice Mentor: Kalynn Schulz



Achievement Award

Yash Deo

Status-Dependent Differences in Neural Ensemble Activity is Associated with Stress Vulnerability

Mentor: Matthew Cooper



Achievement Award Ashley Wells

Aggressive Interactions Alter Perineuronal Net Expression in the Ventral Prefrontal Cortex and Basolateral Amygdala

Mentor: Matthew Cooper



Achievement Award

Alex Gillespie

Determining Whether Androgen Receptor Knockdown in the Medial Amygdala Leads to Stress-Induced Changes in Social Behaviors in Syrian Hamsters Mentor: Matthew Cooper



Achievement Award

Vincent Terta

Functional Analysis of Programmed DNA Elimination Mentor: Jianbin Wang



Achievement Award

Lillian Para

Singing in the heat: how male zebra finch songs vary with air temperature

Mentors: Elizabeth Derryberry & Melissa Proffitt



Achievement Award

Renata Dos Reis Marques

Elucidating the Effect of Cytoskeletal Disruption on Nuclear Morphology and Chromosome Structure of Migratory A375 Melanoma Cells

Mentor: Rachel Patton McCord



Achievement Award

Christiane Alvarez

Developing and testing a novel in-vitro microfluidic device to analyze temporal, spatial, and molecular responses of mouse brain tissues

Mentor: Rebecca Prosser



Achievement Award

Eleanor Mancini

A Campylobacter jejuni nuclease contributes to host colonization and inflammasome activation Mentor: Jeremiah Johnson





Presented by, Dr. Larry McKay

Associate Dean for Research and Facilities College of Arts and Sciences

UNDERGRADUATE RESEARCH & FELLOWSHIPS

Achievement Award

Sarah Lerner

Changing the Channel: The Impact of Television on Children's Racial Biases in Emotion Perception Mentor: Sarah Lamer



Achievement Award

Gabrielle Petrella

Stoic Savages?: The Oversimplification of Native Emotions in Media Mentor: Sarah Lamer



Achievement Award

Carson Oleary

Insecure Attachment Predicts Poor Sexual Communication Among Emerging Adults Mentor: Deborah Welsh



Achievement Award

Zoe Ward

The Development of Health System Resiliency: How Kenya's Experience with Malaria Impacted Its Reaction to the COVID-19 Pandemic

Mentor: Katie Cahill



Achievement Award

Chloe Solomon

Shape Bias & The Developing 3-Year-Old Mentor: Aaron Buss



Achievement Award

Hayley Simpson

Green is for Girls: Interactions Between Masculine Identity and Environmental Behavior Mentor: Sarah Lamer



Achievement Award

Madlen Conley

Exploring the Dendrochronological Potential of Eastern Red Cedar Trees to Inform Conservation Efforts at the McGhee-Carson Site, Vonore, Tennessee Mentor: Matthew Kerr



Achievement Award

Olivia Wilkerson

Building a Sustainable Future: The Necessary Variations of Plastic Regulations Mentor: Alex Moulton



Achievement Award

Raneem Ammar

UTK American Medical Student Association (AMSA) Premedical Research Project to Evaluate Access to Resource Barriers

Mentor: Karmen Stephenson



Achievement Award

Ryan Beatty

Conspiratorial thinking and conspiracy theories in the time of COVID-19 Mentor: Jana Morgan



Achievement Award

Inshira Bediako

Raising Black Knoxville: Displacement, Disinvestment, and Reproductive Justice in Knoxville's Black Community

Mentor: Shaneda Destine



Achievement Award Annie Liu

From Public Housing to Vouchers: the Impacts of Redevelopment and Forced Displacement on Low-Income Public Housing Residents Mentor: Solange Munoz



Achievement Award

Madison Huffstutter

TikTok Use and Addiction are Related to Impaired Mental Health Outcomes Mentor: Hollie Pellosmaa



Achievement Award

Dhanush Mallavarapu & Caroline Wright

Examining the relationship between inhibitory control and dimensional attention

Mentor: Aaron Buss



Achievement Award Kristopher Hensley

The effects of saccades on visual working memory representations Mentor: Caglar Tas



Achievement Award

Julia Craven

Climate Conversations: An Intergenerational Artistic Exploration with Family Mentor: Alex Moulton



Achievement Award

Jack Orebaugh

Observations of Blow Fly Diversity in Cases of Advanced Burnings Mentor: Charity Owings



Achievement Award

Aidan Homan

Centrality and Compliance: Unitary vs. Federalist Political Systems in the Implementation of the Kyoto Protocol in Argentina and Uruguay

Mentor: Paul Gellert





College of Education, Health, and Human Sciences

Presented By,

Dr. Hollie Raynor

Associate Dean of Research Sciences and Professor in the Department of Nutrition, College of Education, Health, and Human Sciences



College of Education, Health, and Human Sciences

Third Place

Naba Alfatlawy & Rawon Alfatlawi

Methods to optimize and reduce the costs of brown adipocyte differentiation from Murine primary brown preadipocytes

Mentors: Ahmed Bettaieb & Presley Dowker-Key



College of Education, Health, and Human Sciences

<u>Second Place</u> Laila Martin

The Role of AICAR Transformylase (ATIC) in Adipocyte Differentiation

Mentors: Ahmed Bettaieb, Presley Dowker-Key, & Brynn Voy



College of Education, Health, and Human Sciences

First Place Callie Tucker

Investigation of blood lactate's association with metabolic dysfunction in pregnancy Mentor: Jill Maples





College of Communication & Information

Presented By,

Beth Meko

Information Specialist I

College of Communication and Information

UNDERGRADUATE RESEARCH & FELLOWSHIPS

College of Communication & Information

<u>Second Place</u> Sarah Fisher

Analyzing influencers advocating disability issues Mentor: Moonhee Cho



College of Communication & Information

First Place **Peyton Mills**

Breaking the Silence: Peer-to-Peer Communication About Menstruation in College

Mentor: Michelle Violanti



27th EURECA Exhibition of Undergraduate Research and Creative Achievement

College of Nursing

Presented By, Dr. Kathleen Thompson

Clinical Professor and Honors Program Coordinator College of Nursing

UNDERGRADUATE RESEARCH & FELLOWSHIPS

Research Category Award

Maria Thompson

Caregiver Burden and Stress Among Millennial and Generation Z Caregivers of Persons with Dementia Mentors: Kathleen Thompson & Joel Anderson



Research Category Award

Skylar Sopko

Correctional Nurses' Perceptions of Substance Use Withdrawal Treatment for Pregnant Women in Jail in the South-Central Appalachia Region

Mentors: Kathleen Thompson, Sadie Hutson, Carrie Lingerfelt



Research Category Award

Samantha Reidy

Identify the role of gut microbiome in adolescent mental health problems based on socioeconomic inequalities

Mentor: Ji Youn Yoo



Research Category Award

Flatt Claire

The Effects of Clonidine on Outcomes in Patients with Neonatal Abstinence Syndrome

Mentors: Jennifer Tourville & Kathleen Thompson



Evidence-based Practice Projects

Claire Connelly, Julie Headrick, Margaret Priest, & Eva Randolf

The Effect of Acupuncture on Chronic Pin Reduction in Adult Patients with Cancer: A Literature Review

Mentor: Cristina Barroso



Evidence-based Practice Projects

Jenna Briggs, Bailey Grove, Hannah Busch, & Luke Schoenbrunn

Music Therapy Effect on Anxiety and Stress in Breast Cancer Patients Undergoing Chemotherapy Mentor: Kathleen Thompson



Evidence-based Practice Projects Mary Jarecke, Celia Stem, Maia Stewart, & Lauren Stuart

Screening Protocols for Prostate Cancer for African-American Men

Mentor: Kathleen Thompson



Evidence-based Practice Projects

Lindsey Ierubino, Emily Hudson, Isabelle Lama, & Kinga Major

The Effects of Aromatherapy on Decreasing Labor Pain in Pregnant Women

Mentors: Knar Sagherian & Heeyeon Son



Evidence-based Practice Projects

Ashley Bunch, Megan Clancy, London Fleming, & Madison Hider

Adult Patients with Cancer-related Pain and the Effectiveness of Mind-Body Techniques Mentors: Cristina Barroso & Noel Arring



Quality Improvement Projects

Victoria Dina

Evaluating the Effects of Health-Based Education on the Home Insecure Population at Knoxville Area Rescue Ministries

Mentor: April Bryant



Quality Improvement Projects

Jaiden Kraft & Abigail Taylor

Effectiveness of Disinfectant Catheter Caps In Preventing Central-Line Associated Bloodstream Infections

Mentor: April Bryant

UNDERGRADUATE RESEARCH & FELLOWSHIPS

Quality Improvement Projects

Kate Roberson

Orthopedic Patients Receiving Return Demonstration for their Wound Care Stay Home After Discharge Mentor: Sandra Mixer



<u>Quality Improvement Projects</u> Lucy Lightholder

Improving Patient Satisfaction One Whiteboard at a Time Mentor: Sandra Mixer



Quality Improvement Projects

Elizabeth Ellis

Depression Screening Frequency in Low Income

Primary Care Adult Patients

Mentor: Laurie Acred-Natelson



Quality Improvement Projects

Casey Langsjeon & Savana Eaton

Depression Screening Among Knoxville's Elders

Mentor: Christina Brown



Quality Improvement Projects

Anber Akmanligil, Jamison Gould, & Anna Hsieh

Evaluating COVID-19 Vaccination Education For African Americans in Knox County to Close the Compliance Gap Among Residents Mentor: Cindi Adams



Quality Improvement Projects

Nealy Anderson, Eva Karnowski, Rachel Schutte, & Chloe Siscoe

Evidence-Based Wound Care Education and Prevention in People Who Use Intravenous Substances

Mentor: Cameron Carr



Quality Improvement Projects Kieran Elliot

Use of Non-Pharmacologic Interventions to Improve ICU-Related Delirium Rates in Patients Who are Cared for in an Intensive Care Unit

Mentor: Sarah Neller & Melissa Hessock



Quality Improvement Projects

Jasmine Russell

The Positive Effects of Implementing a Resiliency Toolkit to Combat Nursing Burnout: A Literature Review

Mentor: Sandy Mixer



Quality Improvement Projects

Amelia Cassidy, Kaitlyn Biggs, Caroline Current, Grace Gavigan, & Sara Leese

Evaluating the Positive Effects of Streamlining the Structure of the Dream Connection Volunteer Community through Implementation of Google Classroom

Mentor: Olivia Freels



Quality Improvement Projects Hannah Goralnick

The Effect of the Implementation of Doula-Supported Care on the Rate of Unplanned Cesarean Sections and Patient Satisfaction

Mentor: Sarah Neller





Presented by,

Dr. Bill Nugent

Professor

College of Social Work

UNDERGRADUATE RESEARCH & FELLOWSHIPS

<u>Award of Merit</u> Patrick Angelaccio

Has the COVID-19 pandemic affected future college plans for students in Knox County?

Mentor: William Nugent



Award of Merit

Claire Brown

Determining if There is a Relationship Between Parent Disclosure of Trauma/Abuse and Likelihood of Child Discharging from Therapy Against Medical Advice Mentor: William Nugent



Third Place Wendy Whaley

The Study of the Relationship Between Physical and Sexual Dating Violence and Suicidal Thinking, Planning, and Attempts Mentor: William Nugent



<u>Second Place</u> Natalia Lewis

A Study of the Relationship Between Violent Political Rhetoric (VPR) and Police Shootings Against Persons of Color (POC)

Mentor: William Nugent



First Place Alice Grosserode

Comparison of Assistance Requests Pre-Covid (2019) and Post-Covid (2022) at Knox County Community Call Center

Mentor: William Nugent





Presented by, Dr. Mary Cooper

Assistant Director of Honors Haslam College of Business

UNDERGRADUATE RESEARCH & FELLOWSHIPS

Third Place Kaiya Moore

Factors Which Influence Leadership Style Preferences Mentor: Melissa S. Cardon



Second Place Max Thompson

Applied Machine Learning: Predicting Future Order Cost from Historical Data Mentor: Sean Willems



First Place

Keegan Moore

Exploring the Relationship Between Unemployment Funding and the Unemployment Rate by Analyzing Unemployment Data Collected During the COVID-19 Pandemic

Mentor: Benjamin Compton





Presented by,

Dr. John Stier

Associate Dean for Academic Programs and Professor of Plant Sciences, Herbert College of Agriculture



Excellence in Undergraduate Research William Smith

Assessing the Influence of Daily Light Integral on Photosynthetic Active Radiation Productivity and Secondary Phytonutrients of Deep Water Cultured Red and Green Oakleaf Lettuce

Mentor: Kellie Walters



Excellence in Undergraduate Research

Laura Whaley, Hannah Sutt, Emerson Sapienza, & Jakob Johnson

Reducing Off-target Pesticide Spray and Harm to Beneficial Insects with Variable-rate, Intelligent Spray Technology

Mentor: Amy Fulcher



Excellence in Undergraduate Research Adnan Shihaibar

Simulated Transport of Nano-plastics through Topsoil in Different Rain Conditions

Mentor: Douglas Hayes





Presented by,

Dr. Kevin Kit

Director of the Cook Grand Challenge Honors Program Associate Professor of Materials Science and Engineering Tickle College of Engineering

UNDERGRADUATE RESEARCH & FELLOWSHIPS

<u>Award of Merit</u> Jonathan Smith

Investigation of the Tensile Strength of Threaded Fasteners

Mentor: Mark Denavit



<u>Award of Merit</u> Garrett Holbert

Computational Modeling of a Multi-Site Phosphorylation Network in Cell Compartments Mentor: Steven M. Abel



Award of Merit Marlena Alexander

Investigation of high entropy precursor powder synthesis for transparent ceramic synthesis Mentor: Mariya Zhuravleva



Award of Merit Heidi Seuss

The Design and Testing of a Jointed Foot-Ankle Mentor: Dustin Crouch



<u>Award of Merit</u> Jordis Blackburn

Investigation Into Stent Retriever Removal Speed Affecting Removal Forces in an Experimental Model Of Acute Ischemic Stroke

Mentor: Bryan Good



<u>Award of Merit</u> **Reese Sorgenfrei**

Effects of Super Absorbent Polymers on the Properties of 3D Printed Concrete Mentor: Hongyu Zhou

UNDERGRADUATE RESEARCH & FELLOWSHIPS

Award of Merit

Thomas Paterson & Ryan Thompson

Brain Spatial Multi-Omic Imaging & Analysis Protocol: Alzheimer's Disease Proof-of-Concept

Mentor: Colleen Crouch



Award of Merit

Jack Krimmel, Seth Shuchat, & Harriet Williamson

Optimal Design Refresh Planning and its Applications in Digital Product Twins

Mentor: Hugh Medal



<u>Award of Merit</u> Bryson Gullett

Neuromorphic Computing Starter Kit Mentor: James S. Plank



Third Place, Research Mariana Milano-Benitez

Supercapacitor Electrodes Based on Reduced Graphene Oxide Composited with Manganese Metal Oxide

Mentor: Bamin Khomami



Second Place, Research Nicole Liu

Optimized Bifunctional OER and ORR with a Spinel Catalyst

Mentor: Katharine Page



First Place, Research Maria Hernandez Rivero

Low-Power Dynamic Circuit Design With Steep-Switching Hybrid Phase Transition FETs (Hyper-FETs) Mentor: Ahmedullah Aziz



Second Place, Design Darlene Player, Cameron Mcreynolds, Bailey Millsaps, & Robert Cowan PIPER - Pot-In-Pot Extracting Robot

Mentor: Hao Gan & Amy Fulcher



<u>First Place, Design</u> Melanie Moczadlo, Christopher Webb, Alexander Bowman, Conner Cornachione, & Alicia Zahnen

Replacing Current Plastic Car Parts with a PET and Paper Composite

Mentor: David Harper





College of Architecture & Design

Presented by,

Dr. Milagros Zingoni Phielipp

Associate Professor and Director of the School of Interior Architecture

College of Architecture & Design

UNDERGRADUATE RESEARCH & FELLOWSHIPS

Honorable Mention Katie Pennington

ESPERANTO FICTIO: metaphysical declarations of the [un]archival

Mentor: Brian Ambroziak



Third Place Thomas Theisen

Remediation Through Building Systems Mentor: Katherine Ambroziak



Second Place Nicholas Williams

REIMAGINE: Concrete and Reuse Mentor: Katherine Ambroziak



First Place Alexandria Anderson

Inside the Glass: Defining the Rapturous South through the Lens of a Mason Jar

Mentor: Brian Ambroziak



Honorable Mention Greta Mehlberg

The Value of Empathy in Design Disciplines Mentor: Milagros Zingoni Phielipp



Honorable Mention Katie Gilstorf

Catholic Interiority: A Comparative Analysis of Church Design Before and After the Second Vatican Council Mentor: Marie Saldana



<u>Third Place</u> Mariam Siahatgar

Yayladagi, Hatay's Container City Mentor: Hojung Kim



<u>Second Place</u> Kaleigh Powers

Rocky Top Reef Fully Immersive Dive Training Facility Mentors: Timothy Dolan & Greg Blankenship



First Place Deaney O'Brien

Encouraging Growth in a Coastal Community through Ecotourism: Smith Island, Maryland

Mentor: Ashley Coon



Honorable Mention Avery Jones

The Echo Effect: Impactful Stories Unveiling the Stories of At-Risk Youth

Mentor: Cary Staples



Honorable Mention Kennedy Davis

Women in the Automotive Industry Mentor: Cary Staples



Honorable Mention Tanner Dunning

Mercato: Improving Second Hand shopping through online accessibility

Mentor: Cary Staples



Third Place Che Davis

The Black Experience: African American Studies in the U.S. School System Mentor: Cary Staples



Second Place Victoria Wheelock

PowerHouse:

Residential Energy Use in the Tennessee Valley Mentor: Cary Staples



Ella Hosse, Luke Macdougall, & Matthew Rightsell

Designing and Building a Friendly Robot To Ease Dementia

Mentors: Kimberly Mitchell & Xiaopeng Zhao





Graduate Student Research Mentor Awards

Presented By, Dr. Erin Darby

Inaugural Faculty Director for Undergraduate Research & Fellowships Associate Professor Department of Religious Studies



Herbert College of Agriculture

Graduate Student Research Mentor Award

Spencer Givens

Graduate Research Assistant Masters Student Department of Plant Sciences

Herbert College of Agriculture



College of Education, Health, and Human Sciences

Graduate Student Research Mentor Award

Presley Dowker

Graduate Research Assistant Ph.D. Candidate Department of Nutrition College of Education, Health, and Human Sciences



<u>Graduate Student Research Mentor Award</u> Mahshid Mokhtarnejad

Research Assistant, Material Research and Innovation Laboratory (MRAIL)

Ph.D. Candidate

Department of Chemical & Biomolecular Engineering Tickle College of Engineering



College of Arts and Sciences Natural Science

<u>Graduate Student Research Mentor Award</u> Tien (Miah) Sword

Ph.D. Candidate Department of Chemistry College of Arts & Sciences



College of Arts and Sciences Social Sciences

Graduate Student Research Mentor Award

Maya Barrett

Graduate Research Assistant Transitions Across the Lifespan Lab (TALL) Ph. D. Candidate Department of Psychology College of Arts & Sciences





Faculty Mentor Awards

Presented By, Dr. Erin Darby

Inaugural Faculty Director for Undergraduate Research & Fellowships Associate Professor Department of Religious Studies



Haslam College of Business

Faculty Research Mentor Award

Dr. Phillip Daves

Associate Professor Department of Finance Haslam College of Business



Herbert College of Agriculture

Faculty Research Mentor Award

Dr. Kellie Walters

Assistant Professor Department of Plant Sciences Herbert College of Agriculture



College of Education, Health, and Human Sciences

Faculty Research Mentor Award

Dr. Rachel White

Assistant Professor

Department of Educational Leadership & Policy Studies College of Education, Health, and Human Science



Faculty Research Mentor Award

Dr. Nick Wierschem

Associate Professor Department of Civil and Environmental Engineering Tickle College of Engineering



College of Arts and Sciences, Natural Science

Faculty Research Mentor Award

Dr. Constance Bailey

Assistant Professor Department of Chemistry College of Arts & Sciences



College of Nursing

Faculty Research Mentor Award

Dr. Patricia Roberson

Assistant Professor College of Nursing



College of Arts and Sciences, Social Sciences

Faculty Research Mentor Award

Dr. Sarah Lamer

Assistant Professor Department of Psychology College of Arts & Sciences



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