

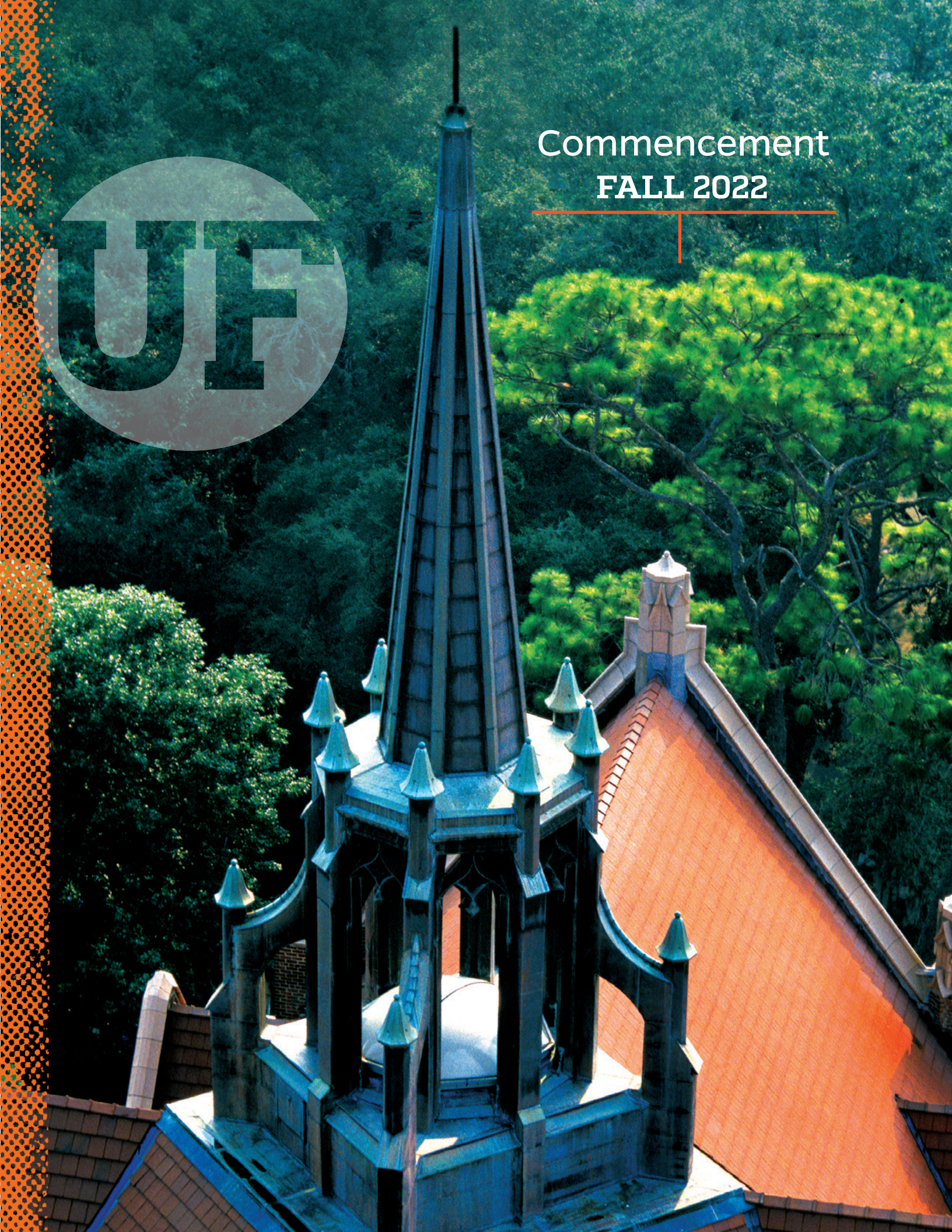
# Commencement

**UF** | UNIVERSITY *of*  
**FLORIDA**



Commencement  
FALL 2022

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## Greetings from the President

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**O**n behalf of the University of Florida, our faculty and our entire university community, I would like to extend my deepest congratulations to you, the Doctoral Graduates of the historic year of 2022.

Today's ceremony celebrates your remarkable accomplishment in earning a doctoral degree from a Top 5 public research university. I applaud you for your years dedicated to in-depth scholarship, thoughtful analysis and meticulous presentation of your findings — and for bringing these efforts to completion while overcoming the hardships of a historic pandemic. I join you in thanking your faculty advisors, mentors and the family and friends who have supported you in your journey to reach this day.

Today is a day for celebration but also anticipation of your future. Whether you choose to pursue a career in academe, the private sector, government or the nonprofit world, I am confident that the research, analysis skills and resilience you honed as a doctoral student will serve you well. The complexity and global nature of today's professional opportunities demand nothing less.

The university has benefited from your research work, teaching, insights and discoveries, and we are grateful to you for your time here. You are a special class, and though we know your experience has been different, we hope that you will look back on it with fondness and appreciation, and that you will remain connected to UF as active members of our distinguished alumni.

Best wishes, and Go Gators!



W. Kent Fuchs



## University of Florida President

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### Dr. W. Kent Fuchs

Dr. Kent Fuchs became the 12th President of the University of Florida in January 2015. Building on many years of excellence and focused leadership, the university has since reached its goal of joining the nation's Top 5 public research universities.

President Fuchs has presided over 113 commencement ceremonies in his eight years as president. He plans for this year to be his last as president, but he will stay on at UF as a professor in the Department of Electrical and Computer Engineering.

Previous to the UF presidency, Dr. Fuchs was provost of Cornell University. He has served in academic leadership positions and as a faculty member of electrical and computer engineering at Cornell, Purdue and the University of Illinois.

He is a fellow of the American Academy of Arts and Sciences, the American Association for the Advancement of Science, the Institute of Electrical and Electronics Engineers and the Association for Computing Machinery and has received numerous awards for teaching and research.

He earned his doctorate in electrical and computer engineering from the University of Illinois and a Master of Divinity from Trinity Evangelical Divinity School. He also holds a Bachelor of Science in Engineering from Duke University.

**UF**

2022 FALL  
COMMENCEMENT

# University of Florida Leadership

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## State Board of Education

**Manny Diaz Jr.**

*Commissioner of Education*

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**Ben Gibson**

*Vice Chair*

**Monesia Brown**

**Esther Byrd**

**Grazie Christie**

**Ryan Petty**

**Joe York**

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*Chancellor*

**Manny Diaz Jr.**

*Commissioner of Education*

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*Chair*

**Eric Silagy**

*Vice Chair*

**Tim Cerio**

**Richard Corcoran**

**Aubrey Edge**

**Patricia Frost**

**Nimna Gabadage**

**Edward Haddock**

**Ken Jones**

**Darlene L. Jordan**

**Alan M. Levine**

**Charles H. Lydecker**

**Craig Mateer**

**Deanna Michael**

**Steven M. Scott**

**Kent Stermon**

## University of Florida Board of Trustees

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*Vice Chair*

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**Lauren LeMasters**

**Daniel T. O’Keefe**

**Rahul Patel**

**Amanda Phalin**

**Marsha D. Powers**

**Fred S. Ridley**

**Anita G. Zucker**

## President and Vice Presidents of the University

**Kent Fuchs, Ph.D.**

*President*

**Joseph Glover, Ph.D.**

*Provost and Senior Vice President - Academic Affairs*

**J. Scott Angle, Ph.D.**

*Senior Vice President - Agriculture and Natural Resources*

**Chris Cowen, M.B.A.**

*Senior Vice President and Chief Financial Officer*

**Charles E. Lane, D.P.A.**

*Senior Vice President and Chief Operating Officer - Administration*

**David R. Nelson, M.D.**

*Senior Vice President - Health Affairs*

**Melissa Curry, M.S.**

*Interim Vice President - Human Resources*

**Elias G. Eldayrie, M.B.A.**

*Vice President and Chief Information Officer - Information Technology*

**Amy M. Hass, J.D.**

*Vice President - General Counsel*

**Mark E. Kaplan, J.D.**

*Vice President - Government and Community Relations*

**Marsha McGriff, Ed.D.**

*Chief Diversity Officer and Senior Advisor to the President*

**Thomas J. Mitchell, M.S.**

*Vice President - Advancement*

**David Norton, Ph.D.**

*Vice President - Research*

**Steve Orlando, M.A.**

*Interim Vice President - Strategic Communications and Marketing*

**Mary G. Parker, Ed.D.**

*Associate Provost and Vice President - Enrollment Management*

**Curtis Reynolds, M.B.A., M.S.E.E.**

*Vice President - Business Affairs*

**Heather White, Ph.D.**

*Vice President - Student Life*

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## Deans of the University

**R. Elaine Turner, Ph.D.**

*College of Agricultural and Life Sciences*

**Onye P. Ozuzu, M.F.A.**

*College of the Arts*

**Sabyasachi Mitra, Ph.D.**

*Warrington College of Business*

**A. Isabel Garcia, D.D.S., M.P.H.**

*College of Dentistry*

**Chimay Anumba, Ph.D.**

*College of Design, Construction and Planning*

**Glenn E. Good, Ph.D.**

*College of Education*

**Cammy R. Abernathy, Ph.D.**

*Herbert Wertheim College of Engineering*

**Nicole L. P. Stedman, Ph.D.**

*The Graduate School*

**Michael Reid, Ph.D.**

*College of Health and Human Performance*

**Andra Johnson, Ph.D.**

*IFAS Extension*

**Robert Gilbert, Ph.D.**

*IFAS Research*

**Marta L. Wayne, Ph.D.**

*International Center*

**Hubert Brown, M.A.**

*College of Journalism and Communications*

**Laura A. Rosenbury, J.D.**

*Fredric G. Levin College of Law*

**David E. Richardson, Ph.D.**

*College of Liberal Arts and Sciences*

**Colleen G. Koch, M.D., M.S., M.B.A.**

*College of Medicine*

**Anna M. McDaniel, Ph.D., R.N.**

*College of Nursing*

**Peter Swaan, Ph.D., M.Pharm.**

*College of Pharmacy*

**Beth A. Virnig, Ph.D., M.P.H.**

*College of Public Health and Health Professions*

**Dana N. Zimmel, D.V.M.**

*College of Veterinary Medicine*

**Judith C. Russell, M.S.**

*University Libraries*

**Jonathan Yorkowitz, M.A.**

*Interim Dean of Students*

## COMMENCEMENT AGENDA – FRIDAY, DECEMBER 16, 2:00 P.M.

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Presiding	Kent Fuchs <i>President</i>
Processional	UF Commencement Band
National Anthem	Anthony Offerle, <i>Vocalist</i> UF Commencement Band
Welcome	Kent Fuchs
Introductions	Joseph Glover <i>Provost and Senior Vice President for Academic Affairs</i>
Presentation of Honorary Doctor of Technology	
Presented by	Joseph Glover
Recipient	Chris Alan Malachowsky
Commencement Address	Brian D. Ray <i>Director, Poe Business Ethics Center</i>
Presenting Candidates for Degrees	Joseph Glover
Conferring of Degrees	Kent Fuchs
Recognition of Graduates	
Closing Remarks	Kent Fuchs
Alma Mater	Anthony Offerle UF Commencement Band
Recessional and Postlude	UF Commencement Band

**NOTE:** Graduates present at the end of the ceremony will receive a special gift as they exit.

# Commencement Speaker

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## **Brian D. Ray**

*Director, Poe Business Ethics Center*

Dr. Brian Ray is a faculty member at the University of Florida where he serves as the Director of the Poe Business Ethics Center and a Master Lecturer of Leadership and Ethics. He is also the Contributing Professor for the Wall Street Journal in the fields of leadership and ethics and teaches graduate-level ethics courses for the George Washington University Elliott School of International Affairs. For 17 years Dr. Ray served as Associate Dean and Director for the University of Florida's Heavener School of Business. In that capacity, he was responsible for leading a nationally ranked undergraduate program with more than 4,000 students.

Dr. Ray earned a Ph.D. in University Administration from Florida State University and a Master of Strategic Studies from the U.S. Army War College. He earned his undergraduate degree in Finance from Stetson University. While at Stetson, he served as Student Body Vice President during his junior year and Student Body President during his senior year. Dr. Ray is also a graduate of Harvard University's Management Development Program.

In addition to his work in higher education, Dr. Ray serves as a Colonel in the Army Reserve. During his military career, Colonel Ray has been recognized many times for exemplary leadership. He is a recipient of the General Douglas MacArthur Leadership Award, one of the Army's most prestigious



honors for company-grade officers. In his current assignment, Colonel Ray serves as Senior Ethics Advisor for the Department of Defense Standards of Conduct Office. Prior to that assignment, he served as a Chaplain for the Office of the Joint Chiefs of Staff. Colonel Ray has served three tours of active duty since 9/11. Deployment locations include Jordan, Kuwait and Qatar, as well as combat tours in Iraq and Afghanistan. During his most recent deployment to Afghanistan, Colonel Ray earned a second Bronze Star.

Dr. Ray and his wife Shannon have been married for 27 years. They have two children, a daughter Ashley who is an Air Force ROTC scholarship Cadet at the University of Florida and a son David who is enrolled in a '3/2' combined-degree MBA program at Rollins College.

# Honorary Doctor of Technology

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## **Chris A. Malachowsky**

*Founder and NVIDIA Fellow*

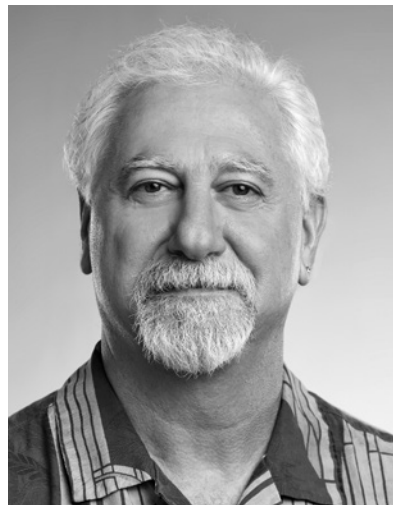
Chris Malachowsky founded NVIDIA in 1993 and has more than 40 years of industry experience. He serves as a member of the executive staff and a senior technology executive of the company.

Malachowsky has been instrumental in managing, defining and driving the company's core technologies as it has grown from a startup to the global leader in visual and parallel computing. As an executive at NVIDIA, he has led numerous functions, including IT, operations and all facets of the company's product engineering. Most recently, he was responsible for NVIDIA's world-class research organization, which is chartered with developing the strategic technologies that will help drive the company's future growth and success.

Prior to NVIDIA, Malachowsky held engineering and technical leadership positions with HP and Sun Microsystems.

A recognized authority on integrated-circuit design and methodology, he has authored close to 40 patents. He holds a BSEE degree from the University of Florida and an MSCS degree from Santa Clara University. Both schools have honored Malachowsky with Distinguished Alumnus awards. He also received an Honorary Doctor of Technology from the University of Silicon Valley in 2022.

At UF, Malachowsky has been generous in his service, leadership and philanthropy. He serves on the UF Foundation Executive Board, the Herbert Wertheim College of Engineering's Dean's Advisory Board and the Engineering West Coast Advisory Board. His philanthropic



support of the University has served as the author for UF's \$70 million artificial intelligence partnership with NVIDIA. This partnership is catapulting UF's research strength to address some of the most critical challenges in the world, creating unprecedented access to AI training and tools for underrepresented communities and building momentum for transforming the future of the workforce. In addition, his gift has been named Malachowsky Hall for Data Science & Information Technology, which will serve as the hub for artificial intelligence, uniting faculty and students from Engineering, Medicine, Pharmacy and Bioinformatics to create multidisciplinary solutions to the world's greatest challenges.

Beyond his technical accomplishments, Malachowsky has received an Emmy for a film he helped produce, *Inheritance*, which won Best Documentary in 2009. He was also inducted into the Florida Inventors Hall of Fame in 2019.

# GRADUATE SCHOOL

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NICOLE L.P. STEDMAN, PH.D., ASSOCIATE PROVOST AND DEAN OF THE GRADUATE SCHOOL

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## DOCTOR OF PHILOSOPHY

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### **Robert Paul Accolla**

Major: *Biomedical Engineering*

Dissertation: Engineering Modular Oxygen-Generating, Pro-Vasculogenic Biomaterial Platforms for Cell-Based Therapies

Dissertation Chair: C. Stabler Anderson

### **Ahmed Mubarak 'Abdallah Al Mata'ni**

Major: *Curriculum and Instruction*

Dissertation: Critical Narrative Study: Illuminating Western Epistemologies in the Lives of Omani West-Educated TEFL

Teacher Educators via Decolonial Turn

Dissertation Chair: M. R. Coady

### **Daniel Jesutomi Alabi**

Major: *Electrical and Computer Engineering*

Dissertation: A Non-Destructive Analysis and Testing Approach for Ultra-High Performance Concrete

Dissertation Chair: J. Harley

### **Kazi A. Alam**

Major: *Physics*

Dissertation: Anderson Transition and Random Matrix Ensembles

Dissertation Chair: K. A. Muttalib

### **Dalal Sami Aldossary**

Major: *Nursing Sciences*

Dissertation: Changes in Family Characteristics in People with Sickle Cell Disease or Trait over a Period of Two Years

Dissertation Chair: M. O. Ezenwa

### **Mayman Abdullah Almayman**

Major: *Design, Construction and Planning*

Dissertation: Social Isolation and Privacy of Older Adults Living in Private Villa-Type Homes in Riyadh, Saudi Arabia: A Space Syntax Analysis

Dissertation Chair: N. Park

### **Raid Alrashidi**

Major: *Civil Engineering*

Dissertation: Evaluation of Non-Proprietary Ultra-High-Performance Concrete (UHPC) Durability

Dissertation Chair: K. A. Riding

### **Maram Faisal Alrehaili**

Major: *Geography*

Dissertation: Effects of Sand and Gravel Mining on Land Degradation of the Amite River, Louisiana

Dissertation Chair: J. Mossa

### **Jamal M. Alzahrani II**

Major: *Health and Human Performance*

Dissertation: The Role of Exertional Heat Stroke and Western Diet on the Long-Term Susceptibility to Cardiovascular and Liver Diseases

Dissertation Chair: T. L. Clanton

### **Athmane Antara**

Major: *Linguistics*

Dissertation: Salafists' Discourse in Morocco

Dissertation Chair: F. McLaughlin



**David Joseph Ariando**

Major: *Electrical and Computer Engineering*

Dissertation: Portable and Autonomous Magnetic Resonance Apparatus for NMR/MRI Field Applications

Dissertation Chair: S. Bhunia

**Usman Arshad**

Major: *Animal Molecular and Cellular Biology*

Dissertation: Choline: An Essential Nutrient to Improve Hepatic Metabolism and Postpartum Performance in Dairy Cows

Dissertation Chair: J. E. Santos

**Conner Clark Austin**

Major: *Horticultural Sciences—Environmental Horticulture*

Dissertation: Utilization and Improvement of *Hibiscus* Species

Dissertation Chair: D. G. Clark

**Jasmine Blue Ayers**

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Tissue Tropisms of Mosquito-Borne Flaviviruses and Innate Immune Response in *Aedes aegypti*

Dissertation Chair: R. D. Dinglasan

**Hwangbo Bae**

Major: *Civil Engineering*

Dissertation: The Social Ties of East Asian Women that Influence the Intention to Pursue a Civil Engineering

Dissertation Chair: D. R. Simmons

**Louise Marjorie Ball**

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Investigating the Interaction between *Chlamydia trachomatis* and *Neisseria gonorrhoeae* during in Vitro Co-Infection

Dissertation Chair: A. T. Maurelli

**Stefano Barba**

Major: *Materials Science and Engineering*

Dissertation: Design and Simulation of Transparent Solar Concentrators Based on Plasmonic Metal Nanoparticles

Dissertation Chair: J. Xue

**Terry E. Barbour II**

Major: *Anthropology*

Dissertation: The View Source Side Shell Bead Production along Florida's Gulf Coast

Dissertation Chair: K. E. Sassaman Jr.

**Matthew W. Becker**

Major: *Biomedical Engineering*

Dissertation: Advancing Therapies That Target the PD-1/PD-L1 Pathway for Type 1 Diabetes Autoimmunity

Dissertation Chair: E. A. Phelps

**Simon M. Berger**

Major: *Pharmaceutical Sciences—Pharmaceutics*

Dissertation: Advancements in Biopharmaceutics and Clinical Pharmacology for Respiratory Bioequivalence

Dissertation Chair: G. Hochhaus

Dissertation Co-chair: J. B. Bulitta

**Chaitanya V. Bhave**

Major: *Materials Science and Engineering*

Dissertation: Development of an Electrochemical Phase-Field Model for the Corrosion of Structural Alloys by Molten Salts

Dissertation Chair: M. Tonks

**Anju Biswas**

Major: *Agronomy*

Dissertation: Phenomics, Genomics, and Crop Growth Modeling Applied to Alfalfa (*Medicago sativa*. L) Breeding

Dissertation Chair: E. F. Rios

**Logan E. Blue**

Major: *Computer Science*

Dissertation: Securing Voice Interfaces

Dissertation Chair: P. Traynor

**Srivalli Krishna Priya Boddupalli**

Major: *Electrical and Computer Engineering*

Dissertation: Resiliency of Connected Autonomous Vehicle Applications against Perception Security Adversaries

Dissertation Chair: S. Ray

**Jyothi Swaroop Bommidi**

Major: *Agricultural Education and Communication*

Dissertation: Understanding Capacities of National Resilience

Dissertation Chair: S. Galindo

**Jesse B. Borden**

Major: *Interdisciplinary Ecology*

Dissertation: Complex Impacts of Anthropogenic Habitat Change

Dissertation Chair: S. Flory

**Megan Borel**

Major: *Geology*

Dissertation: Extensional Tectonics and 3D Development of the Pioneer Metamorphic Core Complex, Idaho

Dissertation Chair: D. A. Foster

**John Scott Borsum**

Major: *Interdisciplinary Ecology*

Dissertation: The Development of Oyster Resource Production and Governance: A Harbinger for Seafood Production Systems

Dissertation Chair: E. V. Camp

**Robinson Botero Arias**

Major: *Wildlife Ecology and Conservation*

Dissertation: Population Trends and Dynamics, Reproductive Ecology, and Management of Black Caiman (*Melanosuchus niger*) in the Middle Sõimoes River, Mamirauá Reserve, Brazil

Dissertation Chair: B. A. Loiselle

Dissertation Co-chair: J. G. Blake

**Jessica N. Brandwein**

Major: *Microbiology and Cell Science*

Dissertation: Nitric Oxide Synthase Genetic Regulation and Contribution to Aminoglycoside Sensitivity in *Staphylococcus aureus*

Dissertation Chair: K. C. Rice

**ChristiAnna Love Brantley**

Major: *Chemistry*

Dissertation: Synthesis, Structure, and Properties of 3d Metal Oxo Clusters with Pseudo-Carboxylates and N,O-Chelates

Dissertation Chair: G. Christou

**Shayla Moná Breedlove**

Major: *Electrical and Computer Engineering*

Dissertation: Perovskite Material Development for Use in Plasmonic Devices

Dissertation Chair: H. Zmuda

Dissertation Co-chair: Y. K. Yoon

**Andrew V. Brooks**

Major: *Physics*

Dissertation: Fundamentals of Charge Transport in Hybrid Perovskite

Dissertation Chair: X. Zhang

**Sally A. Brugnoli**

Major: *Curriculum and Instruction*

Dissertation: *Arts Inside: A Case Study of Incarcerated Students' Literacy Experiences in a Creative Writing and Arts Class*

Dissertation Chair: J. S. Townsend

Dissertation Co-chair: A. M. Kohnen

**David A. Brumley**

Major: *Pharmaceutical Sciences—Medicinal Chemistry*

Dissertation: *Synthesis of Anaenamides A–D and Strategic Analogues to Probe the Structure–Activity Relationship of a New Class of Natural Products from Marine Cyanobacteria*

Dissertation Chair: H. Luesch

**Stevie Noelle Bush**

Major: *Chemistry*

Dissertation: *Ionic Transport Properties of Electrolytes Confined within Nanopores*

Dissertation Chair: C. R. Martin

**David Michael Camero**

Major: *Materials Science and Engineering*

Dissertation: *Exploiting Plasmonic Nanoparticles in a Novel Photovoltaic Design and Elucidating Properties of Donor–Acceptor Dicyanorhodanine–Based Photo–Isomers*

Dissertation Chair: J. Xue

**Peijuan Cao**

Major: *Curriculum and Instruction*

Dissertation: *Exploring the Effects of Pictures and Genre on Second Graders' Oral Reading Behavior and Comprehension*

Dissertation Chair: Z. Fang

**Daniela E. Cárdenas Villacrés**

Major: *Plant Pathology*

Dissertation: *Transcriptomic Analyses of the Interactions between Sugarcane and *Puccinia kuehnii* Causing Orange Rust*

Dissertation Chair: P. C. Rott

Dissertation Co-chair: L. M. Cano Mogrovejo

**Álvaro Carmona Cabrero**

Major: *Agricultural and Biological Engineering*

Dissertation: *Coupling Global Sensitivity Analysis with Machine Learning and Agent–Based Models to Disentangle Complex System Drivers: Application to Human Migration*

Dissertation Chair: R. Muñoz–Carpena

Dissertation Co-chair: R. Muneeppeerakul

**Gabriel Cartagena**

Major: *Psychology—Clinical and Health Psychology*

Dissertation: *Assessing Relationships among Multiple Minority Identities, Support, Distress, and Healthcare Quality among Cancer Survivors: A Moderated Mediation Using the National Cancer Institute's Health Information and National Trends Survey (HINTS) 2017–2019*

Dissertation Chair: D. B. Pereira

**Derek William Chamberlin**

Major: *Fisheries and Aquatic Sciences*

Dissertation: *Examination of Reef Fish Ageing Error via Novel Methods and Stock Assessment Simulations*

Dissertation Chair: W. F. Patterson III

**Luke Milo Chandler**

Major: *Genetics and Genomics*

Dissertation: *Characterization of Extracellular Matrix Damage–Activated Osmotic Stress Response in *Caenorhabditis elegans**

Dissertation Chair: K. P. Choe



**Chelsea B. Chappell**

Major: *Health and Human Performance*

Dissertation: Evaluating the Impact of COVID-19 on Physical Activity, BMI, Sleep and Screentime among U.S. School-Aged Children with Neurodevelopmental Disorders

Dissertation Chair: A. R. Mobley

**Animesh Chhotaray**

Major: *Computer Science*

Dissertation: A Provable-Security Treatment of Circuit-Design Intellectual-Property Theft

Dissertation Chair: T. Shrimpton

**Chih-Hsuan Chou**

Major: *Health and Human Performance*

Dissertation: The Role of Muscle IGF-I in Acute Exercise Responses

Dissertation Chair: E. R. Barton

Dissertation Co-chair: T. L. Clanton

**Manoj Choudhary**

Major: *Plant Pathology*

Dissertation: *Xanthomonas* Genomics, Nanomaterials for Disease Management, Bacteriophage and Machine Learning for Diseases Classification

Dissertation Chair: M. Paret

Dissertation Co-chair: J. B. Jones

**David W. Christianson**

Major: *Materials Science and Engineering*

Dissertation: Design of High-Toughness Magnesium-Lithium Alloys

Dissertation Chair: M. V. Myers

**Yoo Jin Chung**

Major: *Mass Communication*

Dissertation: Parasocial Relationships with Virtual Influencers among Social Media Users

Dissertation Chair: T. A. Kelleher

**Amy Marie Crisp**

Major: *Biostatistics*

Dissertation: Statistical Methods for a Cluster Randomized Trial to Prevent Arboviral Diseases

Dissertation Chair: N. E. Dean

**Jonathan William Cruz**

Major: *Electrical and Computer Engineering*

Dissertation: Automated Attack Exploration and Quantification of Assurance against Hardware Trojans

Dissertation Chair: S. Bhunia

**Wesley Cuadrado-Castillo**

Major: *Materials Science and Engineering*

Dissertation: Dynamic Strain Aging, Static Recrystallization, and Texture Evolution of Dilute Magnesium-Calcium and Magnesium-Calcium-Zinc Alloys

Dissertation Chair: M. V. Myers

**Christina L. Davis**

Major: *Microbiology and Cell Science*

Dissertation: Ecology of Subglacial Lake Microbial Communities in West Antarctica

Dissertation Chair: B. C. Christner

**Sean F. Davis**

Major: *Health and Human Performance*

Dissertation: Consumers' Perceived Value of Augmented Reality and Artificial Intelligence in Sport Broadcasting: A Case of National Football League NextGen Stats

Dissertation Chair: Y. J. Ko

Dissertation Co-chair: Y. Chang

**Clemen Junior De Oliveira**

Major: *Entomology and Nematology*

Minor: *Plant Pathology*

Dissertation: Integrated Nematode Management in Florida Strawberry

Dissertation Chair: J. Desaeger

**Peter Elias Dib**

Major: *Medical Sciences—Cancer Biology*

Dissertation: Testing and Identifying the Mechanism of Novel Thymidylate Synthase Inhibitors

Dissertation Chair: M. Zajac-Kaye

**Catherine Dion**

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Contributions of Cardiovascular Burden, Peripheral Inflammation, and Depth of Anesthesia Variability on the Perioperative Cognitive Trajectory of Older Adults Receiving Total Knee Arthroplasty

Dissertation Chair: C. E. Price

**Timothy B. Dunn**

Major: *Chemistry*

Dissertation: Analysis of Extended Similarity Indices In Large Datasets for Drug Discovery Applications

Dissertation Chair: R. A. Miranda Quintana

**Hang Thi Thu Duong**

Major: *Horticultural Sciences—Environmental Horticulture*

Dissertation: Water Use and Drought Stress Responses of Magnolia (*Magnolia granforda*) and Live Oak (*Quercus virginiana*) Trees in a Florida Humid Climate

Dissertation Chair: R. C. Beeson Jr.

Dissertation Co-chair: C. Gomez

**Mohannad A. Elkhider**

Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*

Dissertation: Real-World Performance of Sacubitril-Valsartan in the Management of Heart Failure

Dissertation Chair: V. Diaby

**Adam J. Ellington**

Major: *Microbiology and Cell Science*

Dissertation: Molecular Features Conferring Extreme Stress Tolerance in Bacteria Isolated from the Stratosphere

Dissertation Chair: B. C. Christner

**Carlyn Nicole Ellison Keeler**

Major: *Rehabilitation Science*

Dissertation: Development, Reliability, and Validity of a Safety Tool for Older Adult Pet Owners

Dissertation Chair: S. Classen

**Carolyn Marie Enloe**

Major: *Interdisciplinary Ecology*

Dissertation: Population Genomic Structure and Geographic Variation in Florida's Coastal Seaside Sparrows

Dissertation Chair: R. T. Kimball

**Brady C. Evans**

Major: *Environmental Engineering Sciences*

Dissertation: Decadal-Scale Lags in Water and Nitrogen Watershed Budgets

Dissertation Chair: M. D. Annable

**Caleb Stephen Ewing**

Major: *Linguistics*

Dissertation: Pied-Piping and Wh-Movement: A Syntactic Analysis and Comparison of Kaqchikel and K'iche'

Dissertation Chair: G. A. Broadwell

**Erin Gabrielle Ferguson**

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Impact of Delayed Onset Muscle Soreness on Demand for Alcohol and Cannabis among Co-Users

Dissertation Chair: J. Boissoneault

Dissertation Co-chair: M. E. Robinson

**Daniel J. Fernández Guevara**

Major: *History*

Dissertation: Comrades and Internationalists: Forging Identity and Cuban Solidarity with the Other Spain, 1902-1961

Dissertation Chair: L. Guerra

**Caio Cesar Figueiredo**

Major: *Veterinary Medical Sciences*

Dissertation: Characterizing Changes in Uterine Ecology Associated with Metritis in Dairy Cows Using a Multi-Omics Approach

Dissertation Chair: R. S. Bisinotto

**Nicholas C. Fisch**

Major: *Fisheries and Aquatic Sciences*

Dissertation: On Likelihoods for Fitting Composition Data within Fisheries Stock Assessments

Dissertation Chair: R. Ahrens

Dissertation Co-chair: E. V. Camp

**Randee A. Fladeboe**

Major: *Anthropology*

Dissertation: Reconstructing the Lives of Macaws in the Prehistoric Southwestern United States and Northern Mexico

Dissertation Chair: S. D. Gillespie

Dissertation Co-chair: K. F. Emery

**Yesenia L. Franco**

Major: *Pharmaceutical Sciences—Pharmaceutics*

Dissertation: Investigating the Effectiveness of Milk-Derived Exosomes to Improve Lapatinib Pharmacokinetic and Pharmacodynamic Profiles

Dissertation Chair: R. Cristofolletti

**Shasha Gao**

Major: *Mathematics*

Dissertation: Human Papillomavirus Vaccination Strategy: Modeling and Implication

Dissertation Chair: L. Rong

Dissertation Co-chair: M. Martcheva

**Washington Lukas Garcia**

Major: *Computer Science*

Dissertation: Security Analysis and Design of Artificial Computer Learning through Human-Machine Alignment

Dissertation Chair: K. Butler

**John Benjamin Garrison**

Major: *Chemistry*

Dissertation: Polymer Modification and Degradation via Single-Electron Transfer Induced Decarboxylation of *N*-(Acyloxy)Phthalimides

Dissertation Chair: B. S. Sumerlin

**Jaime Eduardo Garzon Alfonso**

Major: *Agronomy*

Dissertation: Forage Characteristics and Ecosystem Services Provided by *Aeschynomene* and Sunn Hemp Legumes in South Florida

Dissertation Chair: J. M. Vendramini

**Sara Elizabeth Germansky**

Major: *Special Education*

Dissertation: Descriptive Analysis of Teachers' Responses to Children's Mands in Preschool Classrooms

Dissertation Chair: P. Snyder



**Cady Marie Gonzalez**

Major: *Anthropology*

Dissertation: Vital Hospitality: Cleaning and Greening as Governance in an African City

Dissertation Chair: M. T. Østebo

Dissertation Co-chair: B. H. Chalfin

**Shivai Gupta**

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Inhibiting Auto-Antigen Presentation on MHC Class-II by Small Molecules in Sjögren's Syndrome

Dissertation Chair: C. Nguyen

**Siddhant S. Gupte**

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Development of an AAV Based Gene Intervention for the Ocular Phenotype of Friedreich's Ataxia

Dissertation Chair: S. E. Boye

**Kimberly Daniela Hafner**

Major: *Agricultural and Biological Engineering*

Dissertation: Evaluation of Factors Affecting Dry Ice Sublimation Cooling Performance for Cold Chain Applications

Dissertation Chair: B. A. Welt

**Hunter B. Hakimian**

Major: *Biomedical Engineering*

Dissertation: Automating Cell Classification of Human Pancreata

Dissertation Chair: K. Otto

**Amanda A. Hall**

Major: *Anthropology*

Dissertation: Lamar Clay Balls, Communities of Practice, and Colonialism in the Southeastern United States

Dissertation Chair: C. R. Cobb

**Omer A. Haq**

Major: *Physics*

Dissertation: Resonances and Mixed-Polarized Bound States in the Continuum in Elastic Array Structures

Dissertation Chair: S. Shabanov

**Cheshire Hardcastle**

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Association of Speed-of-Processing Performance and Training with Higher-Order Resting State Networks in Healthy Older Adults

Dissertation Chair: A. J. Woods

**Thomas J. Harrington**

Major: *Political Science*

Dissertation: The Ironic Institutionalization of Affordable Housing Policy as a Permanent Relief Arrangement during the Era of New Federalism

Dissertation Chair: B. A. Rosenson

**Fatma Ahmed Hasanain**

Major: *Design, Construction and Planning*

Dissertation: A BIM-Mostadam Plug-in Design and Evaluation Model

Dissertation Chair: N. O. Nawari

Dissertation Co-chair: M. A. Gold

**Xi He**

Major: *Design, Construction and Planning*

Dissertation: A Data Quality Measurement and Control Framework for Improved Data Mining in Construction Projects

Dissertation Chair: R. Liu

Dissertation Co-chair: C. J. Anumba

**Rachel Louise Mahealani Ho**

Major: *Health and Human Performance*

Dissertation: Central Mechanisms of Fear of Movement in Individuals with Chronic Low Back Pain

Dissertation Chair: S. A. Coombes

Dissertation Co-chair: D. E. Vaillancourt

**Brittanny Victoria Holden**

Major: *Aerospace Engineering*

Dissertation: Trajectory Optimization of Low-Thrust Interplanetary and Earth Orbit Transfers

Dissertation Chair: A. Rao

**Marla Amby Holden**

Major: *Design, Construction and Planning*

Dissertation: The Digital Historic Structure Report (DHSR): Modern Construction Management for Cultural Heritage Preservation

Dissertation Chair: R. R. Issa

**Smyther Shih-Yu Hsiao**

Major: *Mechanical Engineering*

Dissertation: Extending the Pairwise-Interaction Extended Point-Particle Model to Compressible Multi-Phase Flows

Dissertation Chair: S. Balachandar

**Qingming Huang**

Major: *Political Science*

Dissertation: The Founding Myths of Party-States and Resilience of Communist Regimes in East Asia

Dissertation Chair: B. B. Smith

**Rui Tammy Huang**

Major: *Curriculum and Instruction*

Minor: *Human-Centered Computing*

Dissertation: Designing a Digital Game to Foster International English Language Learners' Language-Related Episodes: A Design-Based Research Approach

Dissertation Chair: M. M. Schmidt

Dissertation Co-chair: A. D. Ritzhaupt

**Ali Husnain**

Major: *Animal Molecular and Cellular Biology*

Dissertation: Cellular and Molecular Mechanisms of Endometritis-Induced Compromised Fertility in Dairy Cows

Dissertation Chair: J. E. Santos

**Joseph Enye Iboyi**

Major: *Agronomy*

Dissertation: Agronomic Management Practices to Establish Carinata (*Brassica carinata* A. Braun) into Existing Cropping Systems in the Southeastern United States

Dissertation Chair: M. J. Mulvaney

Dissertation Co-chair: R. G. Leon-Gonzalez

**Samuel Thomas Jacobs**

Major: *Chemical Engineering*

Dissertation: A Mathematical Model for the Transient Electrochemical Response of a Continuous Glucose Sensor

Dissertation Chair: M. E. Orazem

**Harsha Elizabeth James**

Major: *Agricultural Education and Communication*

Dissertation: Study of Climate Change Knowledge, Attitude, Beliefs and Adaptive Capacity of Fishers in Florida and Their Segmentation

Dissertation Chair: L. A. Warner

**Vaughan Steven James**

Major: *Mass Communication*

Dissertation: Developing a Scale of Communicated Scientific Identity for Pop-Culture Conventions

Dissertation Chair: J. Raup-Krieger

**Sarik K. Jeram**

Major: *Astronomy*

Dissertation: Laying the Groundwork for Redshift Drift Experiments and MIRADAS

Dissertation Chair: S. S. Eikenberry

Dissertation Co-chair: A. H. Gonzalez

**Peng Jiang**

Major: *Geology*

Dissertation: In-Situ Chemical and Isotopic Analyses of Major and Accessory Mineral Phases: Method Developments and Applications to the Damara Orogen and East Pacific Rise

Dissertation Chair: D. A. Foster

**Yashaswi Karnati**

Major: *Computer Science*

Dissertation: Machine Learning Algorithms for Applications in Intelligent Transportation Systems

Dissertation Chair: S. Ranka

Dissertation Co-chair: A. Rangarajan

**Gurleen Kaur**

Major: *Horticultural Sciences*

Dissertation: Exploring and Understanding Tomato Flavor Using Integrated Omics and Breeding Techniques

Dissertation Chair: H. J. Klee

**Shea Alexandria Keene**

Major: *Horticultural Sciences—Environmental Horticulture*

Dissertation: Laying the Groundwork: Developing Biochemical, Biotechnological, and Horticultural Tools for a Fragrance-Focused Breeding Program in *Viola*

Dissertation Chair: T. A. Colquhoun

**Jack P. Kennedy**

Major: *Medical Sciences—Neuroscience*

Dissertation: Movement-Related Changes in Hippocampal and Cortical Local Field Potentials

Dissertation Chair: A. P. Maurer

**Jennifer K. Kent**

Major: *Educational Leadership*

Dissertation: The Politics of Arming School Staff as a School Safety Measure: Predictors of School Guardian Program Policy Adoption in Florida

Dissertation Chair: F. C. Curran

**Yuvraj Singh Khamare**

Major: *Horticultural Sciences—Environmental Horticulture*

Minor: *Agronomy*

Dissertation: Altering Production Practices for Weed Management in Container Nurseries

Dissertation Chair: S. C. Marble

**Ahram Kim**

Major: *Chemistry*

Dissertation: Protein Engineering of 5-Aminolevulinic Acid Synthase to Expand Its Substrate Range

Dissertation Chair: J. D. Stewart

**Amanda Dianne Klein Brinton**

Major: *Interdisciplinary Ecology*

Dissertation: Puerto Rico's Solid Waste System: Dynamics, Relationships, and Events

Dissertation Chair: T. G. Townsend

Dissertation Co-chair: D. C. Diehl

**Todd C. Kozlowski**

Major: *Physics*

Dissertation: Characterization and Control of Optical Cavities towards a First Science Run of the ALPS II Experiment

Dissertation Chair: G. Mueller



**Akhil Ravindra Kshirsagar**

Major: *Geography*

Dissertation: The Ecology and Impacts of Human-Animal Interactions across Geographies

Dissertation Chair: T. J. Fik

Dissertation Co-chair: K. L. Valenta

**Chiao-Han Kuo**

Major: *Electrical and Computer Engineering*

Dissertation: Measurement and Modeling of Analog Transistor Circuit Parameters

Dissertation Chair: S. E. Thompson

**Mackenzie J. Kushner**

Major: *Criminology, Law and Society*

Dissertation: Rethinking the Adverse Childhood Experiences (ACE) Scale: A Developmental Approach to Evolving

Adversities and Their Association with Deleterious Outcomes among a Nationally Representative Sample of U.S. Youth

Dissertation Chair: A. A. Fagan

**Daniel Kutor**

Major: *Mathematics*

Dissertation: Applications of Recommendation Systems to Teaching and Learning

Dissertation Chair: C. Ngonghala

**Oscar Lafontaine**

Major: *Civil Engineering*

Dissertation: Determination of Pressure Equalization Factors in Air-Permeable Cladding: A Combination of Multi-Chamber Testing, Artificial Neural Networks and Probabilistic Simulations

Dissertation Chair: D. Prevatt

**Tirtha Lamichhane**

Major: *Plant Pathology*

Dissertation: Mechanistic Understanding of *Xanthomonas citri* Subsp. *citri* Facilitated Agroinfiltration of Citrus Leaves and Its Application in CRISPR Gene Editing of Citrus

Dissertation Chair: N. Wang

**Emerick M. Larkin**

Major: *Agricultural and Biological Engineering*

Dissertation: Lettuce Rhizocommunity Structures and Dynamics in Field and Hydroponic Agriculture Systems

Dissertation Chair: M. J. Correll

Dissertation Co-chair: E. Z. Bean

**Duc Minh Le**

Major: *Mechanical Engineering*

Dissertation: An Accelerated Gradient Approach for Deep Neural Network-Based Adaptive Control of Uncertain Nonlinear Systems

Dissertation Chair: W. E. Dixon

**Forrest William Lefler**

Major: *Interdisciplinary Ecology*

Dissertation: Diversity and Management of Cyanobacteria in Tropical and Subtropical Fresh Waters

Dissertation Chair: H. D. Laughinghouse IV

**Jennifer Hart LeLaurin**

Major: *Medical Sciences—Health Outcomes and Implementation Science*

Dissertation: Implementation of Electronic Health Record-Based Interventions to Address Social Needs in Pediatric Primary Care

Dissertation Chair: R. G. Salloum

**Hsiao-Chi Li**

Major: *Mechanical Engineering*

Dissertation: Flame Quenching or Accelerating by Metal Foam in a Square Channel with Using Immersed Boundary Method

Dissertation Chair: R. W. Houim

**Zhaoyuan Lian**

Major: *Horticultural Sciences—Environmental Horticulture*

Dissertation: Development of Genetic Transformation System and Characterization of Transposon-Induced Mutant with Improved Anthocyanin Biosynthesis in Snapdragon (*Antirrhinum majus*)

Dissertation Chair: H. Huo

Dissertation Co-chair: S. B. Wilson

**Ting Liu**

Major: *Animal Sciences*

Dissertation: Dissemination and Host Adaptation of Extended-Spectrum Beta-Lactamase-Producing Pathogens at the Wildlife-Livestock Interface

Dissertation Chair: K. C. Jeong

**Ziyao Liu**

Major: *Chemical Engineering*

Dissertation: Transport Limit Dissolution from Finite-Size Rotating Disk by Direct Numerical Simulation

Dissertation Chair: A. J. Ladd

**Sarah E. Long**

Major: *Biomedical Engineering*

Dissertation: Characterization of the Intracranial Circuits Involved in Visual Attention and Implicit Memory-Guided Attention

Dissertation Chair: A. Gunduz

**Francesca V. Lopez**

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Neurocognitive Correlates of Mitochondrial Function

Dissertation Chair: D. Bowers

**Wei-Ting Lu**

Major: *Civil Engineering*

Dissertation: Aerodynamic Shape Optimization of High-Rise Buildings in the Wind Tunnel via Adaptive Surrogate Modeling

Dissertation Chair: B. M. Phillips

**Kwandokuhle Mlambo Lynch**

Major: *Design, Construction and Planning*

Dissertation: Financial Digital Twin for Cost Information Visualization in Public Sector Capital Projects

Dissertation Chair: R. R. Issa

Dissertation Co-chair: C. J. Anumba

**Benjamin J. Lynn**

Major: *Mass Communication*

Dissertation: The Authentic Audience (Insert Artificial Crowd Noise): Explicating and Testing the Theory of Liveness through Sports Broadcasts

Dissertation Chair: R. Coche

Dissertation Co-chair: T. F. Waddell

**Nima John Madani**

Major: *Public Health*

Dissertation: Investigating Impacts of Angiotensin Type 1 Receptor Antagonists on Peroxisome Proliferator Activated Receptor in *Danio rerio* (Zebrafish)

Dissertation Chair: T. L. Sabo-Attwood

**Ammar Mahmoud Mandourah**

Major: *Forest Resources and Conservation*

Dissertation: Analyzing User Contribution Patterns to Drone Volunteered Geographic Information Platforms

Dissertation Chair: H. H. Hochmair

**Carlos Manzananas Lopez**

Major: *Mechanical Engineering*

Dissertation: Miniaturized Platforms for On-Site Pathogen Detection Using Paper-Based Nucleic Acid Extraction and Isothermal Amplification

Dissertation Chair: Z. H. Fan

**Hayley Taylor Markovich**

Major: *Mass Communication*

Dissertation: “We Were Told Women Don’t Get Heart Disease”: Exploring How Mass Media Products Communicate Gendered and Racialized Messages about Women’s Prevention and Treatment

Dissertation Chair: R. L. Grant

Dissertation Co-chair: D. M. Treise

**David Steven Mason**

Major: *Wildlife Ecology and Conservation*

Dissertation: Resource Pulses Influence Plant Establishment via Animal Vectors

Dissertation Chair: M. A. Lashley

**Michael Eric McCown**

Major: *Veterinary Medical Sciences*

Dissertation: Zoonotic and Infectious Vector/Tick Borne Pathogen Surveillance in Military Working Dogs, Police Working Dogs and Canines in Colombia, South America

Dissertation Chair: M. T. Long

**Kevin S. McDaniel**

Major: *Anthropology*

Dissertation: Bivalves in the Lower Amazonian Culinary Landscape: Shells as a Multifunctional Toolkit in the Baia de Caxianã

Dissertation Chair: M. J. Heckenberger





**Mai Mahmoud Mehanna**

Major: *Pharmaceutical Sciences—Clinical Pharmaceutical Sciences*

Dissertation: Using Metabolomics to Explore Variability in Blood Pressure Response to Thiazide Diuretics and Beta Blockers Considering Plasma Renin Activity and Genetic Ancestry

Dissertation Chair: R. M. DeHoff

**Erin S. Mistry**

Major: *Curriculum and Instruction*

Dissertation: Science Teacher Identity Scale: A Construct in the Making

Dissertation Chair: A. M. Kohnen

Dissertation Co-chair: V. A. Vescio

**Douglas Andrew Monroe**

Major: *Anthropology*

Dissertation: Food Deserts, Food Insecurity, and the Community Food Movement

Dissertation Chair: C. C. Gravlee IV

**Alvaro Montoya Jr.**

Major: *Chemistry*

Dissertation: Mechanistic Enzymology Studies of *Bacillus subtilis* Oxalate Decarboxylase by EPR Spectroscopy and Unnatural Amino Acid Incorporation

Dissertation Chair: A. Angerhofer

**Macarena Ivonne Moraga Agurto**

Major: *Anthropology*

Dissertation: Beyond the Archive: Memory, Transformation and the Continuous Work of a Rio de Janeiro Truth Commission

Dissertation Chair: R. B. Kernaghan

**Carly S. Muir**

Major: *Geography*

Dissertation: Global Environmental Change in Ethiopia: Examining the Relationship between Climate, Vegetation, and Agricultural Land Use in the 21<sup>st</sup> Century

Dissertation Chair: J. Southworth

**Aaron James Mullins**

Major: *Entomology and Nematology*

Dissertation: Nitrogen Procurement and Provisioning in the Termites

Dissertation Chair: N. Su

**Roberto Gerardo Muñoz-Pando**

Major: *Anthropology*

Dissertation: Archaeology of Money in Colonial Puerto Rico

Dissertation Chair: C. McCarty

**Christopher Michael Muntzner**

Major: *Linguistics*

Dissertation: Nominal Elements in Khoekhoe

Dissertation Chair: B. M. Henderson

**July Dayane Nelson**

Major: *Agricultural Education and Communication*

Dissertation: Developing a Common Evaluation Framework for the NIOSH Centers for Agricultural Safety and Health

Dissertation Chair: S. Galindo

**Duy T. Nguyen**

Major: *Mechanical Engineering*

Dissertation: Cancer Immunotherapy in 3D: In Vitro Models of Tumor-Immune Interactions

Dissertation Chair: W. G. Sawyer

**Carolina Ortiz Guerrero**

Major: *Geology*

Dissertation: Research and Outreach in Idaho's Geology: Timescales and Conditions for Decoupled Crustal Flow in the Pioneer Mountains Metamorphic Core Complex, and Impacts of Google-Earth Electronic Field Trips in K-12 Environments

Dissertation Chair: D. A. Foster

**Alayna R. Otero-Valles**

Major: *School Psychology*

Dissertation: Pre-Service Teachers' Attitudes towards Using Children's Books Featuring Same-Sex Parents in Their Classrooms

Dissertation Chair: T. M. Smith-Bonahue

**Egem Ozbudak**

Major: *Plant Pathology*

Dissertation: Transcriptome Analysis of the Fungal Strawberry Pathogen *Colletotrichum nymphaeae*

Dissertation Chair: L. M. Cano Mogrovejo

**Claudia Alejandra Paez Escudero**

Major: *Plant Pathology*

Dissertation: Understanding Diversity of Wood Decay Fungi and Identifying a New Cystostereaceae Fungal Pathogen in Woody Plants in Florida

Dissertation Chair: M. E. Smith

Dissertation Co-chair: J. A. Smith

**Mainak Pal**

Major: *Physics*

Dissertation: Defects, Strain and Topology in Correlated Electron Systems

Dissertation Chair: P. J. Hirschfeld

**Anastasia Pantazopoulou**

Major: *Classical Studies*

Dissertation: Identity Performance on Euripidean and Contemporary North American "Stages." Spatial Dynamics in the Shaping and Interpretation of the Other

Dissertation Chair: E. Bozia

**Hyejin Park**

Major: *Health and Human Performance*

Dissertation: Tourist Information Flow of the Web from the Perspective of Culture

Dissertation Chair: S. O. Stepchenkova

**Brandon Alexander Parks**

Major: *Electrical and Computer Engineering*

Dissertation: Thalamocortical Network in Essential Tremor: Mechanisms of Connectivity

Dissertation Chair: A. Gunduz

**Bulathsinalage Lakshitha Ayesmantha Perera**

Major: *Chemistry*

Dissertation: Elucidation of the Molecular Level Effects of Polymers and Polymer Initiators on Conjugated Proteins Using Atomistic Molecular Dynamics Simulations

Dissertation Chair: C. M. Colina

**David Humberto Perez**

Major: *Chemistry*

Dissertation: Characterization of Role of ATP in Structure and Function of a *Caenorhabditis elegans* Acyl-Coenzyme A Oxidase

Dissertation Chair: R. A. Butcher

**Gustavo Perez Sanchez**

Major: *Physics*

Dissertation: Jet Analysis in Black Hole Binary Systems

Dissertation Chair: S. S. Eikenberry

**Joseph Rudolph Petrone**

Major: *Microbiology and Cell Science*

Dissertation: Leaving behind a Trail of Progress: Improvements and Discoveries in Three Fields of Microbiology Using Next-Generation Sequencing

Dissertation Chair: E. Triplett

**Justin Gregory Don Phelps**

Major: *Nuclear Engineering Sciences*

Dissertation: Neutron Activation Analysis of Light-Emitting Diodes for Nuclear Forensics Analysis

Dissertation Chair: J. E. Baciak

**Aaron Robert Pilnick**

Major: *Interdisciplinary Ecology*

Dissertation: Intensive Aquaculture of the Long-Spined Sea Urchin *Diadema antillarum* with Restoration Considerations

Dissertation Chair: J. T. Patterson

**Daniele Pinton**

Major: *Coastal and Oceanographic Engineering*

Dissertation: The Role of Small-Scale Ecological Processes on Estuarine Hydrodynamics, Morphodynamics, and Water Quality

Dissertation Chair: A. Canestrelli

**Yutiwadee Pinyochotiwong**

Major: *Civil Engineering*

Dissertation: Enhance Controllability of UF Boundary Layer Wind Tunnel

Dissertation Chair: B. M. Phillips

Dissertation Co-chair: R. A. Catarelli

**Rhiannon Nicole Pollard**

Major: *Curriculum and Instruction*

Dissertation: Past, Present, and Post(?) - Pandemic Future: Instructional Designers in Higher Education

Dissertation Chair: S. Kumar

**Kiril Konstantinovich Poukalov**

Major: *Medical Sciences—Genetics*

Dissertation: Nuclear Spreading of Gene Therapy Cargoes for the Treatment of Muscular Dystrophies

Dissertation Chair: E. T. Wang

**Gabriel Prado**

Major: *Medical Sciences—Cancer Biology*

Dissertation: Loss of KMT2C, of the Compass-Like Complex, Cooperates with Oncogenic Signaling in Cancer

Dissertation Chair: J. D. Licht

**Jesus Mariano Preciado**

Major: *Plant Molecular and Cellular Biology*

Dissertation: Dissecting the Role of NAM, ATAF and CUC (NAC) Transcription Factor Integration into the SHOOTMERISTEMLESS (STM) Developmental Program

Dissertation Chair: T. Liu

**Adrienne L. Provost**

Major: *Curriculum and Instruction*

Dissertation: Digging in the Wrong Place: Tracing Discursive Artifacts of Humanistic Education in the Community College

Dissertation Chair: S. G. Terzian

**Jia Qi**

Major: *Astronomy*

Dissertation: Simulating Galaxies with Explicit Interstellar Medium and Stellar Feedback Models

Dissertation Chair: P. A. Torrey

**Edward Bruce Quinn**

Major: *Anthropology*

Dissertation: A Biocultural Approach to Understanding the Impacts of Psychosocial Stress

Dissertation Chair: C. J. Mulligan

**Peyman Rahgozar**

Major: *Design, Construction and Planning*

Dissertation: Determining the Optimum Location of Multi-Flexible Outrigger Systems in Tall Buildings by a Novel Framework Using Energy Method

Dissertation Chair: A. M. Costin

Dissertation Co-chair: I. Flood

**Md Moshir Rahman**

Major: *Electrical and Computer Engineering*

Dissertation: Protecting Hardware Intellectual Property against Reverse Engineering Attacks

Dissertation Chair: S. Bhunia

**Mohammad Sazadur Rahman**

Major: *Electrical and Computer Engineering*

Dissertation: Protecting Intellectual Property Cores against Piracy

Dissertation Chair: M. M. Tehranipour

**Muhammad Sajidur Rahman**

Major: *Computer Science*

Dissertation: Combining Human Expertise with Automated Systems: Identifying Inconsistencies of First and Third-Party Privacy Disclosures in the Mobile App Ecosystem

Dissertation Chair: B. J. Williams

Dissertation Co-chair: V. C. Bindschaedler

**Kelly Ann Randall Acosta**

Major: *Special Education*

Dissertation: Say What? Fostering Productive Talk among General and Special Educators during Lesson Study

Dissertation Chair: M. T. Brownell

**Sushant Shashikant Rassay**

Major: *Electrical and Computer Engineering*

Dissertation: Scandium-Aluminum-Nitride Nano-Electro-Mechanical Transducers for Integrated Ferroelectric Devices

Dissertation Chair: R. Tabrizian

**Moneesha Ravi**

Major: *Chemistry*

Dissertation: New Approaches for Excited States in Coupled Cluster Theory

Dissertation Chair: R. J. Bartlett

**Jiaying Ren**

Major: *Electrical and Computer Engineering*

Dissertation: Spectral Estimation and Model Order Detection Using Signed Measurements

Dissertation Chair: T. F. Wong

**Munaza Riaz**

Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*

Dissertation: Pharmacotherapy in Heart Failure with Preserved Ejection Fraction: Trends, Costs, Effectiveness, and Safety

Dissertation Chair: H. Park

**Adail A. Rivera Nieves**

Major: *Coastal and Oceanographic Engineering*

Dissertation: Modeling the Effects of Hurricane-Induced Mangrove Forest Damage on Storm Surge and Structural Losses in Coastal Communities

Dissertation Chair: Y. P. Sheng

**Joshua Andrew Roe**

Major: *Health and Human Performance*

Dissertation: An Investigation of the Impact of Geographic Proximity on Place Attachment to Public Parks among Different User Groups

Dissertation Chair: H. J. Gibson

Dissertation Co-chair: J. W. Kim

**Hernán R. Rosario Rivera**

Major: *Romance Languages—Spanish*

Dissertation: Trigger Effect of Cognates in the Production of Voice Onset Time in Code-Switching

Dissertation Chair: J. R. Valdes Kroff

Dissertation Co-chair: G. E. Lord-Ward

**Jamila S. Roth**

Major: *Interdisciplinary Ecology*

Dissertation: Effects of Environmental Change on Seagrass Resilience and Seagrass-Herbivore Interactions

Dissertation Chair: L. Reynolds

**Paritosh Rustogi**

Major: *Electrical and Computer Engineering*

Dissertation: Next-Generation High-Channel-Density Implant-Connector Technology

Dissertation Chair: J. Judy

**Gabrielle Rosina Salazar**

Major: *Forest Resources and Conservation*

Dissertation: Exploring the Relationship between Conservation Outreach and Pro-Environmental Attitudes

Dissertation Chair: M. C. Monroe

**Santosh Sanjel**

Major: *Plant Pathology*

Dissertation: Epidemiological Studies of Peanut Stem Rot: Factors Influencing Disease Progress and Risk Prediction

Dissertation Chair: I. M. Small

Dissertation Co-chair: D. L. Wright

**Mabel Baez Schon**

Major: *Forest Resources and Conservation*

Dissertation: Sacred Forests and Conservation: A Holistic Approach to Understand Ethiopian Orthodox Tewahido Church Communities and Forests

Dissertation Chair: K. A. Kainer

**Youngwoon Seon**

Major: *Counseling and Counselor Education*

Dissertation: Positive Peer Affiliation as a Buffer of the Bidirectional Relationship between Bullying Victimization and Perpetration in Children

Dissertation Chair: S. L. Smith

**Seyedeh Hoda Shajari**

Major: *Computer Science*

Dissertation: Generative Modeling Using Global and Manifold Learning-based Representations

Dissertation Chair: A. Rangarajan

**Haoqi Shan**

Major: *Electrical and Computer Engineering*

Dissertation: Bridging the Gap between Software and Hardware: Leveraging Cross-Domain Knowledge to Enable IoT Security

Dissertation Chair: S. Wang

**Satbyeol Shin**

Major: *Agricultural and Biological Engineering*

Dissertation: Contribution of External Loading and Internal Hydrodynamics to the Water Quality of Lake Okeechobee under Varying Climate Conditions

Dissertation Chair: Y. Her

**Bhargav Sriram Siddani**

Major: *Mechanical Engineering*

Dissertation: Data-Driven Modeling for Enhanced Euler-Lagrange Simulations of Dispersed Multiphase Flows

Dissertation Chair: S. Balachandar



**Nicolas Silva**

Major: *Nuclear Engineering Sciences*

Dissertation: Wide-Angle Spherical Neutron Polarimetry at Oak Ridge National Laboratory

Dissertation Chair: Y. Yang

**Carlton James Simien Jr.**

Major: *Agricultural Education and Communication*

Dissertation: The Leadership Engagement Experiences of Black First-Generation Undergraduate Males at a Land-Grant Institution

Dissertation Chair: C. E. Suarez

Dissertation Co-chair: M. P. Benge

**Rishabh Singh**

Major: *Electrical and Computer Engineering*

Dissertation: An RKHS Framework for Decomposition of Uncertainty in Data and Machine Learning Algorithms

Dissertation Chair: J. C. Principe

**Benjamin Daniel Smith**

Major: *Anthropology*

Dissertation: Hunter-Gatherer Stone Economies and Technological Landscapes in the Late Pleistocene Horn of Africa: Perspectives from the Baantu Obsidian Source and Mochena Borago Rockshelter

Dissertation Chair: S. A. Brandt

**Thomas Arthur Hooper Smith**

Major: *Wildlife Ecology and Conservation*

Dissertation: Elucidating the Effects of Habitat Loss, Fragmentation, and The Role of the Matrix across Populations and Communities Using Landscape Experiments

Dissertation Chair: R. J. Fletcher

Dissertation Co-chair: E. M. Bruna III

**Mansour Sodagari**

Major: *Design, Construction and Planning*

Dissertation: Triple Bottom Line Life Cycle Cost Calculations in High-Performance Buildings

Dissertation Chair: R. Ries

**Moonwon Soh**

Major: *Food and Resource Economics*

Dissertation: Three Roles of Economic Agents to Conserve Natural Resources while Confronting Climate Change and Land Use Change: The Perspectives of Producers, Government, and Consumers

Dissertation Chair: T. R. Wade

**Jun Ik Sohn**

Major: *Design, Construction and Planning*

Dissertation: Uneven Development of Smart Cities: A Case Study in South Korea

Dissertation Chair: A. Alakshendra

**Xuening Song**

Major: *Chemistry*

Dissertation: Exploiting Photo-Generated Hot Hole Transfer and Photocatalytic Reactions at Metal/Semiconductor Interface

Dissertation Chair: W. Wei

**Kira Sorochkina**

Major: *Soil and Water Sciences*

Dissertation: Significance and Controls of N-Fixation in Agroecosystem Biocrusts

Dissertation Chair: S. L. Strauss

Dissertation Co-chair: P. W. Inglett

**Christopher Laurence Souders II**

Major: *Veterinary Medical Sciences*

Dissertation: Molecular Mechanisms of Microbiome-Host Interaction in Health and Disease

Dissertation Chair: C. Martyniuk

Dissertation Co-chair: J. Zubcevic

**William C. Stephenson**

Major: *Higher Education Administration*

Dissertation: Both Sides of the Box: Perspectives of Administrators and Admitted Students on Community College Special Admissions

Dissertation Chair: J. C. Ortagus

**Ke Sun**

Major: *Design, Construction and Planning*

Dissertation: The Flâneur's Dream World: A Phenomenological Walk through the Urbanscape of Paris and New York City

Dissertation Chair: C. L. Hailey II

Dissertation Co-chair: H. Zou

**Ruiyi Sun**

Major: *Sociology*

Dissertation: Disparities of Psychological Well-Being, Subjective Well-Being, and Health among Older Adults: The Influence of the 2008 Financial Crisis

Dissertation Chair: M. Ardel

**Abebe Mengistu Taffere**

Major: *Anthropology*

Dissertation: Lithic Technological Variability in the Pre-50ka Late Pleistocene Sequence at Mochena Borago Rockshelter, SW Ethiopia

Dissertation Chair: S. A. Brandt

**Parisa Tahafchi**

Major: *Electrical and Computer Engineering*

Dissertation: Freezing of Gait Detection Using Wearable Sensor Technology and Machine Learning Algorithms

Dissertation Chair: J. Judy

**Ronald R. Tapia**

Major: *Horticultural Sciences*

Dissertation: Breeding Powdery Mildew Resistance Using Modern Omics-Tools in Octoploid Strawberry

Dissertation Chair: S. Lee

Dissertation Co-chair: V. M. Whitaker

**Brad Parker Taylor**

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Feasibility and Effectiveness of a Telehealth-Delivered Inductive Reasoning Training Program for Older Adults

Dissertation Chair: M. Marsiske

**Danielle Tchuinkou Kwadjo**

Major: *Electrical and Computer Engineering*

Dissertation: Towards Efficient Processing of Large-Scale Deep Neural Networks on Multi-FPGAs Platform

Dissertation Chair: C. Bobda

**Hemanth Thandaga Nagaraju**

Major: *Mechanical Engineering*

Dissertation: A Finite Element Based Approach to Quantification of Uncertainty in Failure Envelope of Silicon Carbide Fiber and Silicon Carbide Matrix Composites

Dissertation Chair: B. V. Sankar

Dissertation Co-chair: G. Subhash

**Shufang Tian**

Major: *Horticultural Sciences*

Minor: *Soil and Water Sciences*

Dissertation: Integrated Nutrient Management Practices for High Tunnel Organic Vegetable Production Systems

Dissertation Chair: X. Zhao

**Yifeng Tian**

Major: *Design, Construction and Planning*

Dissertation: Financing Infrastructure through Blockchain Tokenization

Dissertation Chair: C. Wang

**Lissette Arelis Tolentino**

Major: *Research and Evaluation Methodology*

Dissertation: Examining the Efficacy of the Mantel-Haenszel and Logistic Regression DIF Methods for Digitally Based Formative Assessment Items

Dissertation Chair: A. C. Manley

**Breanna Marie Tomiczek**

Major: *Chemistry*

Dissertation: Progress in Overcoming Kinetically and Thermodynamically Challenging Cope Rearrangements to Assemble Building Blocks for Application in Drug and Complex Molecule Synthesis

Dissertation Chair: A. J. Grenning

**Hannah Claire Toombs**

Major: *Anthropology*

Dissertation: (Re)Crafting Indigenous Identity and “Tradition”: Evaluating Uncertainty, Change, and Adaptation to Socioeconomic Development among Lenca Craft Producers in Western Honduras

Dissertation Chair: C. M. Tucker

**Eduard Tora Bueno**

Major: *Civil Engineering*

Dissertation: Evaluation of the Use of Alternative Cementitious Materials and Cement in Concrete

Dissertation Chair: C. C. Ferraro

**Luis Felipe Vieira Damiani**

Major: *Music*

Dissertation: Generalized Self-Derivation

Dissertation Chair: J. P. Sain

**Susan Elizabeth Walley**

Major: *Chemistry*

Dissertation: Part 1: Amphiphilic Polymer-Grafted Nanoparticles as a Platform for Oil Dispersants Part 2: Structure-Property Relationships in [2.2]Paracyclophane-Polymer Conjugates

Dissertation Chair: R. K. Castellano

**Yao Wang**

Major: *Civil Engineering*

Dissertation: Two-Dimensional and Three-Dimensional Ambient Noise Tomography: Methodology and Application

Dissertation Chair: K. T. Tran

**Yuanda Wang**

Major: *Computer Science*

Dissertation: Exploiting the Edge-Cloud Computing Paradigm for New Models and Application Designs

Dissertation Chair: S. Chen

Dissertation Co-chair: Y. Xia

**Nikole Shari Ward**

Major: *Coastal and Oceanographic Engineering*

Dissertation: An Investigation of Long-Term Sediment Transport Mechanisms

Dissertation Chair: D. Resio

**Richard R. Watkins**

Major: *Chemistry*

Dissertation: Utilizing Traditional and Unnatural Amino Acid Mutagenesis, along with Molecular Dynamics to Study the Stereochemistry of Old Yellow Enzymes 1 & 3

Dissertation Chair: A. Aponick

**Fikadu Getachew Welidehanna**

Major: *Agricultural and Biological Engineering*

Dissertation: Modeling the Effectiveness of Irrigation and Crop Management Practices as a Climate Change Adaptation Strategies for Sorghum Production in Ethiopia

Dissertation Chair: H. K. Bayabil

Dissertation Co-chair: G. Hoogenboom

**Nathan Thomas Willis**

Major: *Counseling and Counselor Education*

Dissertation: Counselor Moral Foundations and the Relationship to Cultural Humility

Dissertation Chair: H. B. Bayne

**Alexandra L. Wiscovitch Bonilla**

Major: *Medical Sciences—Genetics*

Dissertation: Single-Cell Sexual Dimorphisms in Non-Sexual Organs

Dissertation Chair: M. J. Cohn

**George Robert Worrall**

Major: *Agricultural and Biological Engineering*

Minor: *Computer Science*

Dissertation: Integration of Remote Sensing, Machine Learning, and Biophysical Models for In-Season Crop Progress Estimation

Dissertation Chair: J. Judge

**Megan R. Worth**

Major: *Special Education*

Minor: *Research and Evaluation Methodology*

Dissertation: Teacher Perceptions of Social and Emotional Learning and Students with Emotional and Behavioral Disorders

Dissertation Chair: S. W. Smith

**Chao-Yi Wu**

Major: *Electrical and Computer Engineering*

Dissertation: Parameter Estimation in Millimeter Wave PMCW MIMO Radar Systems

Dissertation Chair: T. F. Wong

**Xueyang Wu**

Major: *Materials Science and Engineering*

Dissertation: A Phase-field Study of Stainless-Steel Oxidation from High-temperature Carbon Dioxide Exposure

Dissertation Chair: M. Tonks

**Felipe Xavier Amaro**

Major: *Animal Sciences*

Dissertation: Identifying Strategies to Improve Nitrogen Utilization Efficiency in Lactating Dairy Cows

Dissertation Chair: D. Vyas

Dissertation Co-chair: A. T. Adesogan

**Weihuang Xu**

Major: *Electrical and Computer Engineering*

Dissertation: Deep Morphological Neural Network and Its Application in Image Classification and Segmentation Problems

Dissertation Chair: A. Z. Glenn

**Zhen Xu**

Major: *Curriculum and Instruction*

Minor: *Research and Evaluation Methodology*

Dissertation: Exploring Technology-Assisted Scaffolds to Support Visuospatial Cognition

Dissertation Chair: P. Antonenko

**Karthik S. Yarasuri**

Major: *Civil Engineering*

Dissertation: Enhancement and Validation of a Residential Infrastructure Hurricane Wind Vulnerability Model

Dissertation Chair: K. R. Gurley

**Maher Yazback**

Major: *Physics*

Dissertation: Computational Study of the Magneto-Electric Effect in Quantum Molecular Magnets

Dissertation Chair: H. P. Cheng

**Hang Yin**

Major: *Statistics*

Dissertation: A General Modeling Framework for Network Autoregressive Processes and Its Extensions

Dissertation Chair: G. Michailidis

**Melinda H. Yin**

Major: *Horticultural Sciences*

Dissertation: Physiological and Biochemical Responses of Avocado to Short-Term Flooding: Effects of Ecotype and Brassinosteroid Treatments

Dissertation Chair: B. A. Schaffer

Dissertation Co-chair: E. Bassil

**Yining You**

Major: *Physics*

Dissertation: Sub-GeV Dark Matter Direct Detection Using Superfluid Helium-4: Effective Field Theory, Signatures, and Detection Prospects

Dissertation Chair: W. Xue

**Minglan Yu**

Major: *Coastal and Oceanographic Engineering*

Dissertation: Flocculation Dynamics of Cohesive Sediment in Homogeneous Isotropic Turbulence

Dissertation Chair: X. Yu

**Richard Cecil Yudin-Fitzherbert**

Major: *Soil and Water Sciences*

Dissertation: Updating the Salt Index of Fertilizers

Dissertation Chair: Y. Li

**Mu Zhang**

Major: *Higher Education Administration*

Dissertation: A Mixed Methods Study on the Experiences of Chinese International Undergraduates in the U.S.

Dissertation Chair: C. Haynes

**Qingchao Zhang**

Major: *Mathematics*

Dissertation: Learnable Nonconvex Nonsmooth Optimization Algorithms and Theories for Variational Neural Networks in Solving Inverse Problems

Dissertation Chair: Y. Chen

**Haixiang Zhao**

Major: *Electrical and Computer Engineering*

Dissertation: Current-Mode Analog Circuits for High-Speed Array Processing and Stochastic Biochemical Reaction Simulation

Dissertation Chair: S. Bhunia

**Pan Zhixin**

Major: *Computer Science*

Dissertation: Defending Systems against Malicious Attacks Using Machine Learning

Dissertation Chair: P. K. Mishra

**Xiaoyan Zhou**

Major: *Design, Construction and Planning*

Minor: *Statistics*

Dissertation: A Deep Reinforcement Learning Neural Network Approach to Online Optimization of Construction Manufacturing Processes

Dissertation Chair: I. Flood



**Xue Zhou**

Major: *Agricultural and Biological Engineering*

Dissertation: *Vision-Based Strawberry Fruit Maturity, Bruise, and Size Classification Using Artificial Intelligence*

Dissertation Chair: I. Ampatzidis

Dissertation Co-chair: W. S. Lee

**Sam Zlotnik**

Major: *Interdisciplinary Ecology*

Dissertation: *Feeding Behavior and Mouthpart Development in Juvenile Leaf-Footed Bugs*

Dissertation Chair: C. W. Miller

**Gaia Lynn Zori**

Major: *Public Health*

Dissertation: *State Sex Education Policy: Examining the Association with Adolescent Sexual Health Outcomes and Behaviors*

Dissertation Chair: A. F. Walker

**Irene Zurita-Moreno**

Major: *Romance Languages—Spanish*

Dissertation: *Cross-Language Interactions in Spanish-English Bilinguals Verb Bias*

Dissertation Chair: J. R. Valdes Kroff



# DOCTOR OF EDUCATION

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## **Zalmond Charles Barney Abbondanza**

Major: *Curriculum and Instruction*

Dissertation: A Design and Development Case Study of an Online Corequisite Module for a College Algebra Class

Dissertation Chair: A. D. Ritzhaupt

Dissertation Co-chair: W. Xing

## **Leah Kathrine Brown**

Major: *Curriculum and Instruction*

Dissertation: Teaching while Training: Modifying an Internship Seminar to Support Novice Secondary Teachers in a Traditional Preparation Program in Alaska

Dissertation Chair: A. J. Adams

## **Melissa Douberly Campbell**

Major: *Educational Leadership*

Dissertation: Correlation of Turnaround Strategies Implemented and Financial Expenditures in Low-Performing Schools in Florida

Dissertation Chair: R. C. Wood

Dissertation Co-chair: L. B. Eldridge

## **Debra M. Cole**

Major: *Curriculum and Instruction*

Dissertation: The Impact of Problem-Based Learning on Students' Perceptions of Performance, Self-Efficacy, and Clinical Reasoning Skills during Standardized Patient Encounters

Dissertation Chair: M. M. Schmidt

## **Gemma Mary Fleming**

Major: *Curriculum and Instruction*

Dissertation: "Just Give Them a 50%": How Teachers of English Language Learners (ELLs) Differentiate Reading Comprehension Assessments in English Language Arts

Dissertation Chair: M. R. Coady

## **Allison Leigh Forrest**

Major: *Higher Education Administration*

Dissertation: Football Student-Athletes' Engagement in Career Readiness Activities

Dissertation Chair: C. Haynes

## **Jaime Handlin**

Major: *Curriculum and Instruction*

Dissertation: The Elementary Community Classroom: ELL Students' Perceptions of Cultural Affirmation

Dissertation Chair: M. R. Coady

## **Jennifer Louise Mann**

Major: *Higher Education Administration*

Dissertation: Multiracial Student Completion in Florida Higher Education

Dissertation Chair: K. D. Peck Parrott

Dissertation Co-chair: D. Miller

## **Rebecca Jamme Savage**

Major: *Educational Leadership*

Dissertation: Sustaining Success in a Turnaround School: A Case Study

Dissertation Chair: L. B. Eldridge

## **Israel S. Valenzuela**

Major: *Curriculum and Instruction*

Dissertation: Exploring Career Pathways to Senior Academic Technology Leadership Roles in Higher Education

Dissertation Chair: S. Kumar

## DOCTOR OF PLANT MEDICINE

Heather Rae Kalamán

Hannah Rose Talton

# PROFESSIONAL DEGREES

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## THE COLLEGE OF DENTISTRY

---

**Dean A. Isabel Garcia**

### DOCTOR OF DENTAL MEDICINE

Candice G. Fischer

## THE FREDRIC G. LEVIN COLLEGE OF LAW

---

**Dean Laura A. Rosenbury**

### JURIS DOCTOR

Kenneth Lee Berkovec  
Alexander Robert Carney  
Garrett Richard Cimina  
Ryan Perry Cook  
Alec S. Ede  
Stephanie A. Edman  
Hollie Kristine Forst  
Daniel Frndjibachian

Elena Hernandez  
Sama Saad Kaseer  
Kathryn Kaylor  
Freddy A. Maldonado  
Henrietta Marie Gurri McBee  
Hannah Esther Katz McDonald  
Armando Mejias  
Ethan S. Moore  
Minas Sander Myrtidis

Brian T. Nelson  
MaKayla E. Owens  
Michelle Pimienta  
Alexis N. Rallis  
Michael Anthony Ruff  
Chelsea Nikole Slater  
Jordan Douglas Vann  
Evelyn Elizabeth White

### MASTER OF LAWS IN INTERNATIONAL TAXATION

Tristan G. Montaque

### MASTER OF LAWS IN TAXATION

Kenneth Lee Berkovec  
Alexander Robert Carney  
Garrett Richard Cimina  
Ryan Perry Cook  
Alec S. Ede

Elena Hernandez  
Sama Saad Kaseer  
Kathryn Kaylor  
Ethan S. Moore  
Trenton Jackson Mullins

Minas Sander Myrtidis  
Alexis N. Rallis  
Michael Anthony Ruff  
Nathan P. Warren  
Evelyn Elizabeth White

### MASTER OF LAWS IN U.S. LAW

Leticia Alves Ducci  
Mintao Cao

Juan Manuel Castro  
Charize de Oliveira Hortmann

Paula Kunath  
Paul Marchon-Arnaud

## THE COLLEGE OF PHARMACY

---

**Dean Peter Swaan**

### DOCTOR OF PHARMACY

Travis Boram Hong

Monica F. Sedik

## THE WARRINGTON COLLEGE OF BUSINESS THE HOUGH GRADUATE SCHOOL OF BUSINESS

---

**Dean Sabyasachi Mitra**

### Doctor of Business Administration

Christopher John Friday

Melonie Hall

Einstein Tan

# THE COLLEGE OF NURSING

---

**Dean Anna M. McDaniel**

## DOCTOR OF NURSING PRACTICE

Monica Michelle Barfield  
Jereth Barrio

Sara E. Brummer  
Abby Lynn Carlson  
Jenna Logan Erikson

Amanda Peebles Hall  
Lorraine Williams Hendricksen

# THE COLLEGE OF PUBLIC HEALTH AND HEALTH PROFESSIONS

---

**Dean Beth A. Virnig**

## DOCTOR OF OCCUPATIONAL THERAPY

Kaitlin Joie Abbott  
Brooke N. Abzug  
Emily Rose Buck  
Hannah Clara Burns  
Samone Ariana Nicole Cowart  
Grace Elizabeth Crowell  
Amanda Diaz de Arce  
Abigail Rose Donofrio  
Kyleigh Shea Eaton  
Kaela Nicole Evans  
Kasey Rose Fenton  
Rachel Starr Ferguson  
Kayley M. Gerard  
Antonia Nicole Giannetti  
Sabrina Glover

Daniela Gomez  
Kaitlin Ila Goodson  
Nathan Gerald Greaves  
Amber J. Green  
Ariel Zara Harris  
Jasmin Nicole Hodge  
Corinne M. Hutchison  
Noelle M. Joyner  
Anya I. Klumpp  
Jennifer Ryan LeBrecht  
Lexie Rose Lundquist  
Bobi Onofrietti Mason  
Lindsay S. Mathew  
Brandi C. Myles  
Georgia Heath Parisey  
Bhumi B. Patel

Jelani Nadiri Pitts  
Angelica Rodriguez  
Emily Shae Russell  
Rachel Lee Scarboro  
Rebekah Jordan Schachner  
Breanna L. Singletary  
Min Young Song  
Rachel Nicole Stacy  
Stephanie Alexis Sutter  
Sarah Kathryn Thorp  
Nicole Sayson Van Mir  
Chloe Flynt Vollmer  
Brea Renee Joo Walkley  
Angela Suzanne Wallace  
Marissa Nicole Young







## **What Makes a University Great?**

*Some interesting facts about the University of Florida*

### **Educational Excellence**

UF is consistently ranked among the nation's top universities: No. 5 in the U.S. News & World Report "Top Public Universities" (2023); No. 2 in public universities in Degree Choices for the economic return students get from attending college and leading students to greater financial security (2022); No. 8 in Money magazine's "The Best Colleges in America, Ranked by Value" (2022); and No. 1 in public universities in tech transfer for economic return by the Heartland Foundation.

- UF has more than 6,000 faculty members with distinguished records in teaching, research and service, including 61 Eminent Scholar chairs and 51 faculty elections to the National Academy of Sciences, Engineering, the Institute of Medicine or the American Academy of Arts and Sciences.
- Awards include a Fields Medal, three Pulitzer Prizes, NASA's top award for research and Smithsonian Institution's conservation award.

### **Students**

- Students admitted to the Fall 2022 freshman class had an average 4.49 GPA, average SAT score of 1407 and an average ACT score of 32.
- The freshman retention rate of 97% is among the highest in the country.
- UF ranks sixth and second respectively in Latino and African American graduates who go on to receive doctorates in STEM fields.
- Seventy-two percent of UF full-time freshmen graduate in four years, and 91% of UF freshmen graduate within six years.





## Chain of Office

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This custom-made ornament is worn with the president's regalia, symbolizing the authority and responsibilities of the office. The chain is engraved with the names and service years of the university presidents. The medallion's centerpiece is a 1.3-carat diamond.

## Academic Mace

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Dating back to the Middle Ages, the mace symbolizes strength and authority. The UF ceremonial mace was created for the university's sesquicentennial celebration in 2003. The 70-inch staff features an alligator sitting atop a globe. The four pillars supporting the globe represent the four original colleges: Agriculture, Engineering, Law, and Liberal Arts. The staff is carved from cherry wood. The university's chief marshal, who leads all academic processions, carries the mace.

The four pillars supporting the globe represent the four original colleges: Agriculture, Engineering, Law, and Liberal Arts. The staff is carved from cherry wood. The university's chief marshal, who leads all academic processions, carries the mace.



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## Diplomas

Diplomas will be mailed to the graduate's diploma mailing address in February of 2023.

## Caps and Gowns, An Explanation

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The academic regalia worn by graduating students and faculty in this era evolved from a style of dress worn by members of guilds and religious orders in medieval times. The academic gown is worn by individuals who have earned a degree in higher education. In addition, hoods are worn by graduate degree candidates, but not by undergraduate degree candidates.

At the University of Florida, the lining of the hood has a blue chevron on an orange background to represent the university colors. University faculty members who hold degrees from another college or university wear the colors of their alma mater.

The velvet edging on the academic hood is the color that represents the particular degree held by the wearer. Agricultural and Life Sciences and Forest Resources and Conservation share maize edging; Design, Construction and Planning and Building Construction are blue violet; Audiology degrees have colonial blue edging; Business Administration and Accounting are drab; Dentistry is lilac; Education is light blue; Engineering degrees are represented by orange edging; Fine Arts degrees have brown edging; Health and Human Performance is sage green; Journalism and Communications is garnet; Law is purple; Liberal Arts is white and Liberal Sciences is gold yellow; Medicine is green; Music is pink; Natural Resources and Environment is antique gold; Nursing is apricot; Doctor of Occupational Therapy is slate blue; Doctor of Pharmacy is olive; Philosophy is royal blue; Public Health degrees have salmon pink edging; Rehabilitation Counseling degrees have Nile green edging; and Veterinary Medicine is gray.

Distinctions among sleeves indicate the type of degree held by the wearer. A long, pointed sleeve indicates a bachelor's degree, while a long, closed sleeve with a slit near the upper part of the arm designates a master's degree. A round, open sleeve identifies a doctoral degree.

The blue doctoral regalia also has velvet running on the rest of the gown, including crossbars on the sleeve. Colored tassels on the degree candidates' caps indicate a candidate's school or college.

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# UF

## Alma Mater

*Florida, our Alma Mater  
Thy glorious name we praise  
All thy loyal sons and daughters  
A joyous song shall raise.  
Where palm and pine are blowing,  
Where southern seas are flowing,  
Shine forth thy noble Gothic walls,  
Thy lovely vine-clad halls.  
Neath the Orange and Blue victorious  
Our love shall never fail.  
There's no other name so glorious—  
All hail, Florida, Hail!*

Milton Yeats