

Commencement

UF | UNIVERSITY *of*
FLORIDA

Commencement
SUMMER 2019



Greetings from the President

On 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 2019.

Today's ceremony celebrates your remarkable accomplishment in earning a doctoral degree from one of the world's leading research institutions. I applaud you for your years dedicated to in-depth scholarship, thoughtful analysis and meticulous presentation of your findings. 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, and also for reflection 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 and analysis skills 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 benefitted from your research work, teaching, insights and discoveries, and we are grateful to you for your time here. We hope you will recall these years fondly, and that you will remain connected to UF as active members of our distinguished alumni.

Good luck, best wishes, and Go Gators!



W. Kent Fuchs



University of Florida President

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 reached its goal of joining the nation's top-ten public research universities.

Dr. Fuchs has set UF on a path to joining the top-five public research universities and becoming the nation's number one university for comprehensive excellence. UF is working toward those goals through the creation of 500 new faculty positions, the addition of advanced and beautiful university facilities and an ongoing \$3 billion fundraising campaign.

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.

President Fuchs 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.

Dr. Fuchs is married to Linda Moskeland Fuchs, an art historian. The Fuchs family has three sons, a daughter, and three grandchildren.

Born on an Oklahoma farm in 1954, President Fuchs spent much of his youth in Alaska before moving to Miami, where he graduated from Miami Killian Senior High School.



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Anita G. Zucker

President and Vice Presidents of the University

W. Kent Fuchs, Ph.D.

President

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Vice President - Human Resource Services

Amy M. Hass, J.D.

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Michael V. McKee, B.S.

Vice President and Chief Financial Officer - Finance

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

Vice President - Business Affairs

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

John Kraft, 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

Henry T. Frierson, Ph.D.

The Graduate School

Michael Reid, Ph.D.

College of Health and Human Performance

Nick Place, Ph.D.

IFAS Extension

Robert Gilbert, Ph.D.

IFAS Research

Leonardo Villalón, Ph.D.

International Center

Diane H. McFarlin, B.S.

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

Adrian Tyndall, M.D., M.P.H.

Interim, College of Medicine

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

College of Nursing

Julie A. Johnson, Pharm.D.

College of Pharmacy

Michael G. Perri, Ph.D.

College of Public Health and Health Professions

Thomas Vickroy, Ph.D.

Interim, College of Veterinary Medicine

Judith C. Russell, M.S.

University Libraries

Heather White, Ph.D.

Dean of Students

COMMENCEMENT AGENDA – FRIDAY, AUGUST 9, 4:00 p.m.

Presiding	W. Kent Fuchs <i>President</i>
Processional	Gainesville Brass Quintet
National Anthem	Anthony Offerle Gainesville Brass Quintet
Welcome	W. Kent Fuchs
Introductions	Joseph Glover <i>Provost and Senior Vice President for Academic Affairs</i>
Commencement Address	Ted Spiker <i>Professor and Chair, Department of Journalism</i>
Presenting Candidates for Degrees	Joseph Glover
Conferring of Degrees	Ray Thomas <i>Member, UF Board of Trustees</i>
Closing Remarks	W. Kent Fuchs
Alma Mater	Anthony Offerle Gainesville Brass Quintet
Recessional and Postlude	Gainesville Brass Quintet



UF

2019 SUMMER
COMMENCEMENT

Commencement Speaker

Ted Spiker

*Professor and Chair,
Department of Journalism*

Ted Spiker (@ProfSpiker), who came to the University of Florida in 2001, has served as department chair since 2014. Professor Spiker has taught more than a dozen different courses at UF, including Sports Media & Society, Health & Science Writing, and Advanced Magazine Writing. He was named the 2016-17 UF Teacher of the Year and a two-time Teacher of the Year awardee in the UF College of Journalism and Communications.

A former editor at *Men's Health* magazine, Professor Spiker has authored one book and co-authored more than 20 on health and wellness, including multiple *New York Times* bestsellers. He has written hundreds of stories in a variety of platforms, including *The Washington Post*, *Time*, *Esquire*, *Fortune*, *Outside*, *Men's Health*, *Women's Health*, *Runner's World*, *Reader's Digest*, and *O The Oprah Magazine*. He was named by Greatist.com as one of the 100 most influential people in health and fitness. In addition, he



has published scholarly work about magazine covers and sports literary journalism.

As a moderator for ACCENT Speakers Bureau and other UF events, Professor Spiker has interviewed celebrities Abby Wambach, Pitbull, Erin Andrews, Alex Rodriguez, Terry Crews, Josh Peck, and more.

He is a graduate of the Columbia University Graduate School of Journalism (M.S.) and the University of Delaware (B.A.).

GRADUATE SCHOOL

HENRY T. FRIERSON, ASSOCIATE VICE PRESIDENT AND DEAN OF THE GRADUATE SCHOOL

DOCTOR OF PHILOSOPHY

Andres F. Abadia Ramirez

Major: *Medical Sciences—Medical Physics*

Dissertation: Clinical Applications of Dual-Source Dual-Energy Computed Tomography Scanning

Dissertation Chair: W. Bolch

Firas Mohammed Abed

Major: *Veterinary Medical Sciences*

Dissertation: Genetics of Canine Pheochromocytoma

Dissertation Chair: M. Dark

Khulud Abudawood

Major: *Nursing Sciences*

Dissertation: What Is Pain for Adults with Sickle Cell Disease? Pain Quality and Pain Location

Dissertation Chair: S. Yoon

Yunus Mosen Agamawi

Major: *Aerospace Engineering*

Dissertation: Optimization Suite for Solving Nonlinear Optimal Control Problems

Dissertation Chair: A. Rao

Mohamad Ahmadzade Razkenari

Major: *Design, Construction and Planning*

Dissertation: The Impact of Emerging Technologies on the Future of Industrialized Construction

Dissertation Chair: C. Kibert

Christiana Aikenosi Akande

Major: *Research and Evaluation Methodology*

Dissertation: Performance of the Mantel-Haenszel and CATSIB DIF Procedures in a Computerized Multistage Testing Environment

Dissertation Chair: D. Miller

Dissertation Co-chair: A. Manley

Emmanuel Omotayo Akande

Major: *Food and Resource Economics*

Minor: *Statistics*

Dissertation: The Economic Performance and the Environmental Impact of Livestock Production under Three Grazing Systems in Southeastern U.S.

Dissertation Chair: S. Stefanou

Dissertation Co-chair: D. Adams

Morouje Akbar

Major: *Design, Construction and Planning*

Dissertation: Urban Forms and Floods: Measuring the Impact of Urban and Landscape Form and Urban Hydrology on the Streamflow Regime in the U.S.

Dissertation Chair: M. Carr

Yasemin Akdas

Major: *Anthropology*

Dissertation: Islamophobia among Turkish Muslim Women in Chicago, Illinois

Dissertation Chair: C. Gravlee IV

Bahar Aktuna

Major: *Design, Construction and Planning*

Dissertation: Ruins, Remains, and Ruptures in Postwar Cyprus: Unearthing the Deserted Villages of the Turkish-Cypriot Community

Dissertation Chair: C. Hailey

Karima Mohammad Alabasi

Major: *Nutritional Sciences*

Dissertation: Development and Validation of a Comprehensive Older Adult Screening Tool (COAST)

Dissertation Chair: W. Dahl

Haitham Nasser Alahmad

Major: *Medical Sciences—Medical Physics*

Dissertation: Improving Dose Calculation Accuracy of Volumetric Modulated Arc Therapy

Dissertation Chair: J. Li

Meshari S. Alenezi Sr.

Major: *Geography*

Dissertation: Temporal-Spatial Analysis of Vegetation Cover Change and Protected Area Management

Dissertation Chair: J. Southworth

Azadeh Alizadeh

Major: *Agricultural and Biological Engineering*

Dissertation: Investigation of a New Plant-Based Sensor in Combination with Aerial Imaging for Detecting Water Stress in Fruit Trees

Dissertation Chair: K. Migliaccio

Latoya Lynn Allen

Major: *Medical Sciences—Neuroscience*

Dissertation: Neurochemical and Neuroanatomical Plasticity in Spinal Respiratory Motor Neurons following Cervical Spinal Cord Injury and Intermittent Hypoxia

Dissertation Chair: G. Mitchell

Stephen K. Alli

Major: *Counseling and Counselor Education*

Dissertation: The Relationship of Parental Involvement and Student-Athlete Career Development

Dissertation Chair: M. DePue

Nour Abdulaziz Almutawa

Major: *Curriculum and Instruction*

Dissertation: Motivation to Read: A Survey of Elementary, Middle, and High School Students

Dissertation Chair: Z. Fang

Mohammed Hussain M. Alyami

Major: *Civil Engineering*

Dissertation: Physical Sulfate Attack: Potential Accelerated Test Methods, and Evaluating the Resistance of Cement Types and Supplementary Cementitious Materials against It in Lab and Field Environments

Dissertation Chair: K. Riding

Dissertation Co-chair: M. Tia

Zainab Alyousif

Major: *Nutritional Sciences*

Dissertation: The Prevalence of Gastrointestinal Symptoms and the Effects of *Bifidobacterium animalis* ssp. *lactis* B94 on Gastrointestinal Function in Individuals with Prader-Willi Syndrome

Dissertation Chair: W. Dahl

Ahmad Fitri Amir

Major: *Health and Human Performance*

Dissertation: Effects of Source Credibility, Argument Quality and Personal Involvement on Persuasion of Crime Prevention Messages for Millennial Tourists

Dissertation Chair: L. Pennington

Marian Owiredua Ankomah

Major: *Civil Engineering*

Dissertation: An Analysis of Transportation Demand Patterns in Ghana

Dissertation Chair: S. Srinivasan

Altan Apar

Major: *Political Science*

Dissertation: Competitiveness as a Security Dispositif in the International System

Dissertation Chair: B. Arfi

Edwin Javier Arauz

Major: *Veterinary Medical Sciences*

Dissertation: Short-Term Inhalation Exposure in Rats to Assess Carbon Particles' Effects on Naphthalene Absorption, and Pulmonary Toxicity

Dissertation Chair: S. Roberts

Aviva Hanna Ariel-Donges

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Efficacy of a Brief Yoga Intervention for Body Image Dissatisfaction in College-Aged Women

Dissertation Chair: M. Perri

Brandon Dwayne Armstrong

Major: *Political Science*

Dissertation: An Exploration of Crime and Politics

Dissertation Chair: L. Dodd

Dissertation Co-chair: B. Rosenson

Parmeshwor Aryal

Major: *Agronomy*

Dissertation: Genotype, Growing Environment, and Nitrogen Management Affect Biomass Partitioning of Rhizoma Peanut during Establishment

Dissertation Chair: L. Sollenberger

Breton Michael Asken

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Concussion Biomarkers Assessed from Serum in Collegiate Student-Athletes (Basics)

Dissertation Chair: R. Bauer

Obiora Chidume Azie

Major: *Materials Science and Engineering*

Minor: *Biomedical Engineering*

Dissertation: Control over Cell Signaling via Magnetic Actuation of Latent Growth Factors

Dissertation Chair: J. Dobson

Amanda Lynn Bailey

Major: *Mass Communication*

Dissertation: Nutrition through the Lifecycle: The Effect of Time Perspective Congruent Message Framing on Nutrition-Related Judgements

Dissertation Chair: T. Waddell

Dissertation Co-chair: D. Treise

Hanxi Bao

Major: *Agricultural and Biological Engineering*

Dissertation: Catalytic Depolymerization of Lignin to High Value Aromatics and Its Process Optimization

Dissertation Chair: Z. Tong

Dissertation Co-chair: G. Lan

Myrian Sá Leitão Barboza

Major: *Anthropology*

Dissertation: "Tükuna Cosmopolitical Cartography": The Gendered Meaning and Use of Territories by Katukina Indigenous People (Biá River in Brazilian Amazonia)

Dissertation Chair: A. Oyuela-Caycedo

Dissertation Co-chair: M. Schmink

Aqsa Bashir

Major: *Mass Communication*

Dissertation: Exploring the Effects of Cancer Educational Messages on Vietnam War Veterans

Dissertation Chair: J. Goodman

Shinjini Basu

Major: *Physics*

Dissertation: Formalizing Cosmological Quantum Field Theory

Dissertation Chair: R. Woodard

Salil Ashish Bavdekar

Major: *Mechanical Engineering*

Dissertation: A Unified Analytical Model for the Dynamic Response of Structural Ceramics to Impact and Penetration

Dissertation Chair: G. Subhash

Asli Baysal

Major: *Political Science*

Dissertation: 'European Democracy' in Time: A Historical Institutionalist Approach to Democracy in the European Union

Dissertation Chair: A. Kreppel

Christopher Stephen Bibbs

Major: *Entomology and Nematology*

Dissertation: Characterization of Volatile Pyrethroids for Mosquito Management

Dissertation Chair: P. Kaufman

Erin Collings Bohaboy

Major: *Fisheries and Aquatic Sciences*

Dissertation: Recreational Post-Release Mortality and Harvest Slots: Implications for Stock Status and Management of Gulf of Mexico Red Snapper

Dissertation Chair: W. Patterson III

Dissertation Co-chair: R. Ahrens

Kyle Wyman Bostick

Major: *Geology*

Dissertation: The Production, Composition, and Stability of Pyrogenic Dissolved Organic Matter

Dissertation Chair: A. Zimmerman

Caleb James Bostwick

Major: *Medical Sciences—Neuroscience*

Dissertation: Molecular Profiling of Cellular Identity and Plasticity in the Nervous System of *Aplysia californica*

Dissertation Chair: L. Moroz

Wardatou Boukari

Major: *Plant Pathology*

Dissertation: Identification and Epidemiology of Two Sugarcane-Infecting Viruses in Florida

Dissertation Chair: P. Rott

Carla Brisotto

Major: *Design, Construction and Planning*

Dissertation: City of Agro-Fragments: How Ecological Thinking Influences Architectural Processes in the Era of Post-Globalization

Dissertation Chair: C. Hailey

Shannon Bentley Brown

Major: *Biomedical Engineering*

Dissertation: Advancing Targeted Intra-Articular Drug Delivery Systems: Understanding and Controlling Nanoparticle Biodistribution within Osteoarthritic Joints

Dissertation Chair: B. Sharma

Vaughn E. Bryant

Major: *Psychology—Clinical and Health Psychology*

Dissertation: The Relationship between Working Memory and Alcohol Consumption during Period of Heaviest Use

Dissertation Chair: R. Cohen

Benjamin Ryan Burgen

Major: *Anthropology*

Dissertation: Old Dreams, New Money, and Unfinished Houses: Economic Life in the Senegal River Valley Today

Dissertation Chair: A. Kane

Shannon M. Butts

Major: *English*

Dissertation: Making Moves: Loca(Mo)Tive Writing and Digital Rhetoric

Dissertation Chair: S. Dobrin

Qi Cai

Major: *Electrical and Computer Engineering*

Dissertation: Video Coding Strategies for Machine Comprehension

Dissertation Chair: D. Wu

Anquetta Vonceil Calhoun

Major: *Counseling and Counselor Education*

Dissertation: Exploring (Mis)Recognition in the Lived Experiences of Black Girls at School: A Reflective Lifeworlds Research Study

Dissertation Chair: S. Smith

Jaime Marcelo Calle Calle

Major: *Agricultural and Biological Engineering*

Minor: *Management*

Dissertation: Personal Determinants of Diversification among Small and Medium Scale Farmers: The Roles of Opportunity Alertness, Risk-Taking Proclivity, and Leadership Skills

Dissertation Chair: W. Porter

Dissertation Co-chair: J. Watson

Richard Joseph Carrillo II

Major: *Mechanical Engineering*

Dissertation: Theoretical and Experimental Investigation of Metal Oxides for Solar Thermochemical Fuel Production

Dissertation Chair: J. Scheffe

Agostina Casamento Moran

Major: *Health and Human Performance*

Dissertation: Tremor Independent Dysmetria in Essential Tremor

Dissertation Chair: E. Christou

Ryan Anthony Catarelli

Major: *Civil Engineering*

Dissertation: Enhancing the Modalities of Boundary Layer Wind Tunnel Modeling and Experimental Flow Simulation over Complex Topography

Dissertation Chair: F. Masters

Sankha Subhra Chakrabarty

Major: *Physics*

Dissertation: Quantum Effects in Axion Dark Matter and Caustic Rings

Dissertation Chair: P. Sikivie

Shourish Chakravarty

Major: *Food and Resource Economics*

Dissertation: Impact of Workfare Programs on Environment

Dissertation Chair: C. Mullally

Kelly S. Chapman

Major: *Anthropology*

Dissertation: Women and Water: Household Water Beliefs and Behaviors among Women in Gressier and Léogâne, Haiti

Dissertation Chair: P. Collings

Marie Latané Chardon

Major: *Psychology—Clinical and Health Psychology*

Dissertation: The Impact of Parent Feeding Practices on the Eating Behaviors of Childhood Acute Lymphoblastic Leukemia Survivors

Dissertation Chair: D. Janicke

Changjie Chen

Major: *Design, Construction and Planning*

Dissertation: Multi-Scale Modeling of Land-Use Suitability and Its Massive Simulation Based on Parallel Computing

Dissertation Chair: P. Zwick

Xigao Chen

Major: *Chemistry*

Dissertation: The Application of Functional DNA in Drug Delivery and Cell Membrane Protein Modification

Dissertation Chair: W. Tan

Xuqi Chen

Major: *Food and Resource Economics*

Dissertation: Essays on Information Searching and Consumer Decision Making regarding Food Labels

Dissertation Chair: Z. Gao

Dissertation Co-chair: L. House

Yichen Chen

Major: *Biostatistics*

Dissertation: Using U-Statistics to Compare Grouped Marginal Distributions of Right Censored Event and Waiting Times in Observational Studies

Dissertation Chair: S. Datta

Li Cheng

Major: *Curriculum and Instruction*

Minor: Research and Evaluation Methodology

Dissertation: 3D Printing Integration in K-12 Science Classrooms: The Relationship with Students STEM Motivation, 21st Century Skills, and Interest in STEM Careers

Dissertation Chair: A. Ritzhaupt

Dissertation Co-chair: P. Antonenko

Jonathan Phelekena Samuel Chiputula

Major: *Agricultural and Biological Engineering*

Dissertation: Modeling of Sweetcorn Cooling for Single Container Immersion and Pallet Shower Hydrocoolers

Dissertation Chair: R. Bucklin

Kenneth W. Chitwood

Major: *Religion*

Dissertation: *Los Musulmanes Boricuas*: Puerto Rican Muslims and the Idea of Cosmopolitanism

Dissertation Chair: T. Østebø

Kwansun Cho

Major: *Electrical and Computer Engineering*

Minor: *Communication Sciences and Disorders*

Dissertation: Foreign Accent Assessment in Second-Language Vowels

Dissertation Chair: J. Harris

Katherine Viviana Cisneros

Major: *Pharmaceutical Sciences—Medicinal Chemistry*

Dissertation: Interactions of Methoxy Bromodiphenyl Ethers and Their Metabolites with Human Biotransformation Enzymes

Dissertation Chair: M. James

Jaylyn F. Clark

Major: *Psychology—Clinical and Health Psychology*

Dissertation: The Influence of Patient Race, Sex, Pain-Related Body Postures, and Anxiety Status on Pain Management

Dissertation Chair: M. Robinson

Rosemary J. Collins

Major: *Soil and Water Sciences*

Dissertation: The Effect of Coastal Flooding on Soil Nutrient Flux

Dissertation Chair: R. Mylavarapu

Daniel Edward Conine

Major: *Psychology*

Dissertation: Assessment and Treatment of Response to Name for Children with Autism

Dissertation Chair: T. Vollmer

Sarah E. Conlin

Major: *Counseling Psychology*

Dissertation: Examining Key Predictors of Resilience and Well-Being among LGBTQ+ Individuals

Dissertation Chair: M. Heesacker

Sinead M. Crotty

Major: *Environmental Engineering Sciences*

Dissertation: Drivers and Consequences of Ribbed Mussel Spatial Patterning in Southeastern U.S. Salt Marshes

Dissertation Chair: C. Angelini

Joshua Alan Crow

Major: *Health and Human Performance*

Dissertation: Does Taste Perception Augment the Effect of Carbohydrate Mouth Rinsing on Anaerobic Muscle Performance and Recovery?

Dissertation Chair: P. Borsa

Vinicius Wilian Dias Cruzeiro

Major: *Chemistry*

Dissertation: Efficient Constant pH and Redox Potential Molecular Dynamics with Multidimensional Replica Exchange Simulations

Dissertation Chair: A. Roitberg

Caroline Lee Cully Garbers

Major: *Agricultural Education and Communication*

Dissertation: Student and Organization Impacts of Short-Term Service-Learning Study Abroad Programs: An Irish Case Study

Dissertation Chair: G. Roberts

Xiaoxia Dai

Major: *Animal Sciences*

Dissertation: Role of Ruminant Bacteria on Feed Fermentation and Ruminant Acidosis

Dissertation Chair: A. Faciola

Prosanta Kumar Dash

Major: *Horticultural Sciences*

Dissertation: Addressing Strawberry Production Constraints in Florida and Bangladesh

Dissertation Chair: C. Chase

Dissertation Co-chair: S. Agehara

Joshua M. Davis

Major: *Music Education*

Dissertation: Expert Middle School Band Directors' Pedagogical Approaches to Intonation Instruction

Dissertation Chair: W. Bauer

Nicolle W. Davis

Major: *Nursing Sciences*

Dissertation: Emergency Department Length of Stay and In-Hospital Mortality in Patients with Intracerebral Hemorrhage

Dissertation Chair: S. Yoon

Jesse Collins DeSimone

Major: *Health and Human Performance*

Dissertation: In vivo Multi-Modal Neuroimaging in Mouse Models of DYT1 Dystonia

Dissertation Chair: D. Vaillancourt

Matthew William DeVries

Major: *Mechanical Engineering*

Dissertation: Amorphization of Boron Carbide: Influence of Grain Size, Secondary Phases, and High Pressure

Dissertation Chair: G. Subhash

José Luiz Carvalho de Souza Dias

Major: *Agronomy*

Dissertation: Implementation of Integrated Strategies to Manage Giant Smutgrass (*Sporobolus indicus* var. *pyramidalis*) Infestations in Bahiagrass Pastures

Dissertation Chair: B. Sellers

Dissertation Co-chair: J. Ferrell

Daniel John Dobbins

Major: *Chemistry*

Dissertation: Bulk Thermoresponsive Polymeric Materials for Insensitive Munitions Applications: Diels-Alder Crosslinked Networks and Energetic Polymers

Dissertation Chair: B. Sumerlin

Richard Peter Douglass

Major: *Counseling Psychology*

Dissertation: Functional Social Support among LGB Individuals: Implications for Well-Being

Dissertation Chair: R. Duffy

Ashley Elizabeth DuVal

Major: *Horticultural Sciences*

Dissertation: Sources of Tree to Tree Variability and Their Impact on Breeding and Production of *Theobroma Cacao* L.

Dissertation Chair: J. Chaparro

Ruhiyyih A. Dyrdaahl-Young

Major: *Entomology and Nematology*

Dissertation: Tools and Insights into the Use of Biological Controls on Plant-Parasitic Nematodes

Dissertation Chair: P. DiGennaro

Ahmed Samir Abdelrahman Elshikha

Major: *Pharmaceutical Sciences—Pharmacy*

Dissertation: Alpha-1 Antitrypsin for the Treatment of Lupus

Dissertation Chair: S. Song

Leila Jihan Estes

Major: *English*

Dissertation: Hiding in Plain Sight: Blacks Passing for White in Post-WWII Cinema

Dissertation Chair: B. Mennel

Zaira Magdalena Estrada Reyes

Major: *Animal Molecular and Cellular Biology*

Dissertation: Genomic Regions Associated with Resistance to *Haemonchus contortus* in Sheep and Goats

Dissertation Chair: R. Mateescu

Shi Feng

Major: *Food Science*

Dissertation: Applications of Flavor Techniques to Improve Citrus Fruit Flavor Quality in the HLB Era

Dissertation Chair: Y. Wang

Andriel Evandro Fenner

Major: *Design, Construction and Planning*

Dissertation: Towards Hyper-Efficiency and Carbon Neutrality in Industrialized Residential Construction

Dissertation Chair: C. Kibert

Maureen Patricia Fennessy

Major: *Curriculum and Instruction*

Dissertation: Reading and Writing in Sixth Grade Science Classrooms

Dissertation Chair: Z. Fang

Dissertation Co-chair: A. Kohnen

Claire N. Friedrichsen

Major: *Soil and Water Sciences*

Dissertation: Identifying Communication Barriers to Successful Implementation of Soil and Water Technology for Improving Food Security

Dissertation Chair: S. Daroub

Eric G. Fuller

Major: *Biomedical Engineering*

Dissertation: Magnetically Responsive Theranostic Nanocarriers Obtained by Flash Nanoprecipitation

Dissertation Chair: C. Rinaldi

Amy L. Fullerton

Major: *Communication Sciences and Disorders*

Dissertation: Airway Sensation Following Intensity Modulated Radiotherapy for Head and Neck Cancer

Dissertation Chair: K. Hegland

Rodrigo Furtado Dos Santos

Major: *Plant Molecular and Cellular Biology*

Dissertation: Optimizing Genome-Wide Selection for Forest Tree Breeding

Dissertation Chair: M. Kirst

Dissertation Co-chair: M. Ribeiro De Resende

Mingyuan Gao

Major: *Statistics*

Dissertation: Fast and Scalable Methods for Change Point Analysis in High Dimensional Data

Dissertation Chair: G. Michailidis

Peng Gao

Major: *Soil and Water Sciences*

Minor: *Toxicology (Special Minor)*

Minor: *Environmental Engineering Sciences*

Dissertation: Polycyclic Aromatic Hydrocarbons in Florida Urban Soils: From Sources to Exposures

Dissertation Chair: L. Ma

Dissertation Co-chair: P. Wilson

Xiang Gao

Major: *Chemistry*

Dissertation: Theories and Machine Learning Methods on Fundamental Physical Quantities of Molecules

Dissertation Chair: A. Roitberg

Jorge Luis Garcia

Major: *Anthropology*

Dissertation: Ecological Change and Dietary Social Inequality in La Tolita, A Complex Society on the Northern Pacific Coast of South America

Dissertation Chair: A. Oyuela-Caycedo

Liza Garcia-Jimenez

Major: *Agronomy*

Dissertation: Ecosystem Services Provided by Contrasting Grazing Systems in North Florida

Dissertation Chair: J. Dubeux Jr.

Dissertation Co-chair: L. Sollenberger

Hannah Elizabeth Gardiner

Major: *Nuclear Engineering Sciences*

Dissertation: X-Ray Backscatter Radiography System Parameter Evaluation and Optimization for in-situ Agricultural Inspection

Dissertation Chair: J. Baciak

Avinash Geda

Major: *Business Administration—Information Systems and Operations Management*

Dissertation: Essays on Waste Management and Online Retailing

Dissertation Chair: A. Vakharia

Dissertation Co-chair: L. Qiu

Elise Geissler

Major: *Anthropology*

Dissertation: Functional and Phylogenetic Assessment of Dentin Microstructure and Hardness

Dissertation Chair: D. Daegling

Nicholas Gerard Genna

Major: *Horticultural Sciences—Environmental Horticulture*

Dissertation: Seed Mass and Deterioration: Implications for *in situ* Survival and *ex situ* Longevity

Dissertation Chair: H. Perez

Daniel Lawrence Gering

Major: *Psychology—Clinical and Health Psychology*

Dissertation: An Examination of Symptoms, Diagnoses, and the Interaction of Sex in a Clinical Sample of Children Referred for Potential Autism Spectrum Disorder

Dissertation Chair: B. Wiens

Dissertation Co-chair: D. Pereira

Shirin Ghatrehsamani

Major: *Agricultural and Biological Engineering*

Dissertation: Simulation of Interactive Heat and Disease Affected Tree inside Mobile Heat Treatment Canopy Cover; HLB Affected Citrus Tree in Florida as Case Study

Dissertation Chair: I. Ampatzidis

Debolina Ghosh

Major: *Counseling and Counselor Education*

Dissertation: Creativity in Cross-Cultural Supervision: A Grounded Theory Approach

Dissertation Chair: S. Smith

Emanuela Giacomini

Major: *Business Administration—Finance*

Dissertation: Essays in Corporate Financial Structure, Information, and Banking

Dissertation Chair: A. Naranjo

Christina M. Gobin

Major: *Psychology*

Dissertation: Neurobiological Substrates of Post-Cocaine Cognitive Function and Drug Seeking: Role of Metabotropic Glutamate Receptor 5

Dissertation Chair: M. Schwendt

Gavin J. Golas

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Genetic Analysis of the Viral Interferon Regulatory Factors of Kaposi's Sarcoma-Associated Herpesvirus for Replicative Fitness and Immunomodulation of Lytic Infection

Dissertation Chair: Z. Toth

Minghao Gong

Major: *Veterinary Medical Sciences*

Dissertation: Protein O-Mannosylation of Surface Layer Proteins in *P. UF1* Bacterium Regulates Dendritic Cell and T Cell Responses

Dissertation Chair: M. Zadeh

Drew Bradley Gonsalves

Major: *Computer Engineering*

Dissertation: Trackerless Tracking: An Unsupervised, Fingerprint-Based Positioning Approach for Indoor and Outdoor Localization

Dissertation Chair: J. Wilson

Dissertation Co-chair: P. Gader

David McCaskill Gray

Major: *Electrical and Computer Engineering*

Dissertation: Classifier Training Set Augmentation by Warping Synthetic Data in a Subspace Manifold

Dissertation Chair: J. Principe

Dissertation Co-chair: J. Harris

Nolan Senan Seieroe Grieves

Major: *Astronomy*

Dissertation: Characterizing Fundamental Properties of Stars and Investigating Their Brown Dwarf and Planet Companions

Dissertation Chair: J. Ge

Arthur Charles Grupe II

Major: *Plant Pathology*

Dissertation: Truffle Trouble: Taxonomy, Systematics, Applied Mycology, and Phylogenomics of Select Tuber Species and Other Truffles

Dissertation Chair: M. Smith

Dissertation Co-chair: B. Richter

Jandy A. Gu

Major: *Anthropology*

Dissertation: Vanguard or Vandal: Symbolic Boundaries and Subjectivities of Grafite and Pixação in São Paulo, Brazil

Dissertation Chair: I. Jusionyte

Dissertation Co-chair: M. Heckenberger

Zhuxiao Gu

Major: *Chemical Engineering*

Dissertation: Fabrication and Characterization of Novel Anti-Reflective and Nanooptical Structures

Dissertation Chair: P. Jiang

Lisa Adriana Guerrero

Major: *School Psychology*

Dissertation: Teaching Icon Discrimination Using a Speech-Generating Device

Dissertation Chair: T. Smith-Bonahue

Xiaolong Guo

Major: *Electrical and Computer Engineering*

Dissertation: Hardware Trustworthiness Verification and Assessment: From A Formal Method Perspective

Dissertation Chair: Y. Jin

Mediha Gurel

Major: *Biomedical Engineering*

Dissertation: Vascular Tissue Engineering: Designing Innovative Approaches Combining Stem Cell and Perfusion-Based Technologies

Dissertation Chair: P. McFetridge

Catherine A. Hamilton

Major: *Nursing Sciences*

Dissertation: Exploration of Child Adoption through the Application of Social Network Analysis

Dissertation Chair: J. Stacciarini

Sangyoung Han

Major: *Civil Engineering*

Dissertation: Determination of Built-in Curling in Concrete Pavement from Falling Weight Deflectometer Data Using Machine Learning Technique

Dissertation Chair: M. Tia

Tayler Laine Hansen

Major: *Animal Sciences*

Minor: *Agronomy*

Dissertation: Digestibility and Passage Kinetics of Dietary Fiber in Horses

Dissertation Chair: L. Warren

David Josef Mark Hanson

Major: *Forest Resources and Conservation*

Dissertation: Public Engagement at a Public University: Efficacy, Power and Boundary-Work

Dissertation Chair: A. Adams

Gonzalo Xavier Haro-Carrión

Major: *Interdisciplinary Ecology*

Dissertation: Land and Vegetation Change at Regional and Local Scales in Ecuador

Dissertation Chair: J. Southworth

Katherine Elizabeth Haynes

Major: *Materials Science and Engineering*

Dissertation: Defect Evolution during Elevated-Temperature Helium Implantation into Silicon

Dissertation Chair: K. Jones

Rachel Pauline Heatherly

Major: *Counseling Psychology*

Dissertation: Efficacy of Instructional versus Non-Instructional Media on Sexual Behaviors and Attitudes

Dissertation Chair: L. Mintz

William C. Hedderson

Major: *Health and Human Performance*

Dissertation: The Effects of Propranolol on Acute Inflammatory Cytokines and Muscle Function following an Exercise-Induced Muscle Injury to the Shoulder in Individuals with a High Pain Sensitivity COMT Polymorphism

Dissertation Chair: P. Borsa

Deon V. Heffington

Major: *Curriculum and Instruction*

Dissertation: Higher Order Thinking Skills among Latinx English Language Learners in Elementary Classrooms

Dissertation Chair: M. Coady

Rafael I. Hernandez

Major: *English*

Dissertation: Portraits of Modernity: Degenerate Art and the Modern British Novel, 1890-1927

Dissertation Chair: P. Wegner

Hannah Victoria Herrero

Major: *Geography*

Dissertation: Protected Area Landscapes of Southern Africa: Spatial Quantification of Savanna Vegetation Change

Dissertation Chair: J. Southworth

Jacob Aaron Hirschhorn

Major: *Materials Science and Engineering*

Dissertation: Mechanistic Studies of the Thermodynamic and Kinetic Behavior of Metallic Nuclear Fuels Using the Quantitative Phase-Field Method

Dissertation Chair: M. Tonks

Zhenhong Hu

Major: *Biomedical Engineering*

Dissertation: Neural Basis of Verbal Working Memory

Dissertation Chair: M. Ding

Yin-Tse Huang

Major: *Forest Resources and Conservation*

Dissertation: Ecology and Metabolic Adaptations of Bark Beetle-Associated Fungi

Dissertation Chair: J. Hulcr

Alyssa A. Hunziker

Major: *English*

Dissertation: Empire's Intersections: U.S. Settler Colonialism, Imperialism, and Indigeneity

Dissertation Chair: M. Schueller

Hyunchul Hwang

Major: *Civil Engineering*

Dissertation: Development of Accelerated Methodologies for Structural Layer Coefficients (SLCs) of Bases

Dissertation Chair: D. Hiltunen

Jacy L. Hyde

Major: *Forest Resources and Conservation*

Dissertation: Environmental Impacts of Transmission Lines and Open Data Standards for Infrastructure Projects in the Brazilian Amazon

Dissertation Chair: D. Ribeiro Do Valle

Dissertation Co-chair: S. Bohlman

Sabrina Islam

Major: *Public Health*

Dissertation: Tolerance of Psychological Intimate Partner Violence and Influence of Sexual Minority Stigma among Lesbian and Bisexual Women

Dissertation Chair: K. Ross

Dissertation Co-chair: A. Zucker

Neha Shrikant Jagtap

Major: *Environmental Engineering Sciences*

Dissertation: Experimental Investigation of NPK Removal in Stored Urine and Recovery as Fertilizer Products and Non-Potable Water in Community Scale and Building Scale Urine Diversion and Decentralized Treatment

Dissertation Chair: T. Boyer

Arun Dilipkumar Jani

Major: *Agronomy*

Dissertation: Summer Legume Cash and Cover Crop Nitrogen Contributions in Conservation Tillage Cropping Systems

Dissertation Chair: M. Mulvaney

Dissertation Co-chair: J. Erickson

Khajonsak Jermprapai

Major: *Civil Engineering*

Dissertation: Planning Freeway Service Patrol Operations for Incident Management: A Spatio-Temporal Analysis Approach

Dissertation Chair: S. Srinivasan

Guangde Jiang

Major: *Pharmaceutical Sciences—Medicinal Chemistry*

Dissertation: Discovery and Production of Bioactive Microbial Natural Products and Their Analogs

Dissertation Chair: Y. Ding

Sibo Jiang

Major: *Pharmaceutical Sciences—Pharmacy*

Minor: *Statistics*

Dissertation: The Impact of Nonlinearity on the Pharmacokinetics of Large Molecules

Dissertation Chair: S. Schmidt

Tian Jiang

Major: *Chemistry*

Dissertation: Nanoparticle-Based Machinery for Specific mRNA Degradation and Its Potential Therapeutic Applications

Dissertation Chair: Y. Cao

Yun Jiang

Major: *Animal Sciences*

Dissertation: Effects of Sequestering Agents and Antioxidant on in vitro Rumen Fermentation, Health, Performance, Rumen Bacterial Community of Dairy Cows, and Preimplantation Development of Bovine Embryo

Dissertation Chair: A. Adesogan

Dissertation Co-chair: D. Vyas

Elizabeth Lauren Kacel

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Feasibility of a Comprehensive Yoga Intervention for Fear of Cancer Recurrence in Gynecologic Cancers

Dissertation Chair: D. Pereira

Nelly Isigi Kadagi

Major: *Interdisciplinary Ecology*

Dissertation: Contextualizing Socio-Ecological Interactions in Recreational and Artisanal Fisheries: Implications for Sustainable Use and Management of Billfish in the Western Indian Ocean

Dissertation Chair: R. Ahrens

Shuchang Kang

Major: *Counseling Psychology*

Dissertation: The Effects of a Brief Mindfulness-Based Intervention On Implicit Out-Group Favoritism Bias among Chinese International Students in the United States

Dissertation Chair: C. Tucker

Colin Patrick Kearney

Major: *Mass Communication*

Dissertation: Regionalism in Prime-Time: An Examination of the American South on Television

Dissertation Chair: R. Rodgers

Hasnaa Khalifi

Major: *Aerospace Engineering*

Dissertation: Simulation and Verification of Attitude Control Systems for Nano-Satellites

Dissertation Chair: N. Fitz-Coy

Liudmila Khalitova

Major: *Mass Communication*

Dissertation: Do Leaders Matter? Examining Leader Effects on Public Diplomacy Outcomes

Dissertation Chair: S. Kiousis

Kshitij Khatri

Major: *Horticultural Sciences*

Minor: *Agricultural Education and Communication*

Dissertation: Use of Metam Potassium in Florida Plasticulture Production

Dissertation Chair: N. Boyd

Subhorn Khonthapagdee

Major: *Mathematics*

Dissertation: Models of Crowding Effect on Phytoplankton Competition for Nitrogen

Dissertation Chair: S. Pilyugin

Solaleh Khoramian Tusi

Major: *Genetics and Genomics*

Dissertation: Molecular Mechanisms of Repeat Associated Non-ATG (RAN) Translation

Dissertation Chair: L. Ranum

Minseong Kim

Major: *Health and Human Performance*

Dissertation: Corporate Social Responsibility as a Determinant of Brand Development in the Foodservice Industry

Dissertation Chair: S. Stepchenkova

Yeonil Kim

Major: *Biostatistics*

Dissertation: Statistical Testing Procedures for Analysis of Genetic Association Studies

Dissertation Chair: Y. Chi

Dissertation Co-chair: F. Zou

Stephen Sean Kirkman

Major: *Computer Engineering*

Dissertation: Trust Framework for the Cloud Using a Model of Trust, Data Movement Policies, and Decentralization Using Blockchain Technology

Dissertation Chair: R. Newman

Rebecca A. Koll

Major: *Botany*

Dissertation: Taxonomic and Biogeographic Re-evaluation of North American Gigantopterids and Examination of Floristic Composition and Patterns of Insect Herbivory in Early Permian Landscapes

Dissertation Chair: S. Manchester

Sining Kong

Major: *Mass Communication*

Dissertation: Overcoming the Fear of Death: Applying Terror Management Theory in an Organ Donation Campaign

Dissertation Chair: D. Treise

Dissertation Co-chair: Y. Lee

Abhinav Kurumaddali

Major: *Pharmaceutical Sciences—Pharmacy*

Minor: Statistics

Dissertation: Pharmacometric Evaluation of in vitro and in vivo Methods for Bioequivalence Assessment of Orally Inhaled Drug Products

Dissertation Chair: G. Hochhaus

Xiaomeng Lan

Major: *Mass Communication*

Dissertation: Gamification of Public Relations: Effects of the Mechanisms of Motivation and Engagement

Dissertation Chair: S. Kiousis

Caroline J. Land

Major: *Plant Pathology*

Dissertation: The Applied Management Strategies for the Control of *Fusarium oxysporum* f.sp. *lycopersici* on Florida Tomatoes

Dissertation Chair: G. Vallad

Olivia Lauren Lanier

Major: *Biomedical Engineering*

Dissertation: Biomedical Applications of Magnetic Nanoparticles

Dissertation Chair: J. Dobson

Dissertation Co-chair: P. McFetridge

Theresa Marie LaPuma

Major: *School Psychology*

Dissertation: The Relationship between Bullying, Empathy, and Social Anxiety Symptomology among Adolescents

Dissertation Chair: D. Beaulieu

Dissertation Co-chair: B. Olsen

Cleary Larkin

Major: *Design, Construction and Planning*

Dissertation: Expanding the Historic Preservation Narrative: The Socio-Cultural Context of the Vieux Carré Historic District Designation

Dissertation Chair: K. Larsen

Alexandra O. Lavrentovich

Major: *Linguistics*

Dissertation: Using Classifier Features To Determine Language Transfer On Morphemes

Dissertation Chair: S. Wulff

Joel David Leal Gutierrez

Major: *Animal Sciences*

Dissertation: Functional Genomics and Genetical Genomics Approaches Reveal Associated Genes, Gene Networks and Biological Pathways Affecting Meat Quality in Beef

Dissertation Chair: R. Mateescu

Ahhyun Lee

Major: *Special Education*

Minor: Research and Evaluation Methodology

Dissertation: The Impact of SWPBIS on School Discipline Outcomes for Diverse Students

Dissertation Chair: J. McCleskey

Dissertation Co-chair: N. Gage

Dong Joo Lee

Major: *Environmental Engineering Sciences*

Dissertation: Emergy of Earth Systems: Evaluation of Renewable Inputs, Biotic Natural Capital, Ecosystem Productivity, and Human Carrying Capacity

Dissertation Chair: M. Brown

Stephanie A. Lee

Major: *Public Health*

Dissertation: The Effects of Fasting Regimens in Vulnerable Populations

Dissertation Chair: M. Hart

Karen Harvey Leslie

Major: *Anthropology*

Dissertation: When Is It Okay To Use Violence? Analysis of Cultural Consensus Theory to Identify Instances for Acceptable Use of Interpersonal Violence among Teens in an Urban School District

Dissertation Chair: C. McCarty

Charis Xiang Li

Major: *Business Administration—Marketing*

Dissertation: The Foundations of Object History Value

Dissertation Chair: C. Janiszewski

Weixuan Li

Major: *Mechanical Engineering*

Dissertation: Concurrent Atomistic-Continuum Simulations of Si Phononic Crystals and Si/Ge Multilayers

Dissertation Chair: Y. Chen

Xiao Liang

Major: *Pharmaceutical Sciences—Medicinal Chemistry*

Dissertation: Discovery, Total Synthesis and Bioactivity of Natural Products from Marine Cyanobacteria

Dissertation Chair: H. Luesch

Nikolette Paloma Lipsey

Major: *Psychology*

Dissertation: Audience Influence on Health Information Avoidance

Dissertation Chair: J. Shepperd

Ji Liu

Major: *Chemistry*

Dissertation: Enantioselective Synthesis of StackPhos and its Application in Transition Metal Catalysis and Reagent Development for Iterative Glycosylation

Dissertation Chair: A. Aponick

Mark Preston Sumcad Lopez

Major: *Curriculum and Instruction*

Dissertation: Linguistically Responsive Teaching: Teachers' Practices with English Learners in Rural Elementary Classrooms

Dissertation Chair: M. Coady

Wenjing Luo

Major: *Curriculum and Instruction*

Dissertation: Cognitive Disequilibrium and Situational Interest in a Middle School Activity on Computational Modeling in Paleontology

Dissertation Chair: P. Antonenko

Desiree Lussier-Levesque

Major: *Psychology*

Dissertation: Pain and Aging: Brain Structure and the Effects of Oxytocin

Dissertation Chair: N. Ebner

Dissertation Co-chair: Y. Cruz-Almeida

Ginessa Jean Mahar

Major: *Anthropology*

Dissertation: Gathering Fish: Mass-Capture Fishing Practices and the Rise of a Woodland Civic-Ceremonial Center on the North Florida Gulf Coast

Dissertation Chair: N. Wallis

Allen R. Majewski

Major: *Physics*

Dissertation: Density Functional Theory Calculations of Temperature Dependent NQR Parameters in Solid Crystalline Materials

Dissertation Chair: N. Sullivan

Kristen Marie Malone

Major: *Interdisciplinary Ecology*

Dissertation: Ground-Nesting Birds in Southeastern Pine Savanna: Predation and Habitat Management

Dissertation Chair: K. Sieving

Bhakti Pankaj Mamtora

Major: *Religion*

Dissertation: The Making of a Modern Scripture

Dissertation Chair: V. Narayanan

Hend Mansoor

Major: *Public Health*

Dissertation: The EZ-CVD: A Simple Tool for Cardiovascular Risk Assessment Using Patient-Reported Information

Dissertation Chair: A. Mainous

May Mansy

Major: *Biomedical Engineering*

Dissertation: Single Photon Fiber Photometry: A Systematic Device Characterization for Optical Interrogation of in-vivo Neural Dynamics

Dissertation Chair: K. Oweiss

Kathryn Leigh Marsh

Major: *School Psychology*

Dissertation: Parental and Provider Perceptions of Transitions from Early Intervention to Preschool

Dissertation Chair: T. Smith-Bonahue

Hiraku Maruyama

Major: *Materials Science and Engineering*

Dissertation: Non-Conventional Processing of Cerium Oxide Based Ceramics: Microstructural and Electrical Characterization

Dissertation Chair: J. Nino

Elizabeth A. Matthews

Major: *Human-Centered Computing*

Dissertation: A Study of Techniques for Measuring Enjoyment in Video Games Containing Procedural Generation

Dissertation Chair: J. Gilbert

Alexander Jewell Mausolff

Major: *Nuclear Engineering Sciences*

Dissertation: Core Design Assessment and Safety Analysis of a Fast Spectrum Molten Chloride Salt Reactor

Dissertation Chair: S. Goluoglu

Jacqueline Elisabeth Maye

Major: *Psychology—Clinical and Health Psychology*

Dissertation: A 14 Week Study of Mindfulness Effects on Attentional Control in Older Adults

Dissertation Chair: M. Marsiske

Christina McGrath Fair

Major: *Counseling and Counselor Education*

Dissertation: College Freshman Women's Perspective of Campus Sexual Culture: A Photo-Elicitation Study

Dissertation Chair: S. Smith

Molly Elizabeth Katherine McLaren

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Identification of Age and Mood-Associated Brain Differences in Reward Network Functioning

Dissertation Chair: A. Woods

Dissertation Co-chair: V. Dotson

Miles Derrick Medina

Major: *Agricultural and Biological Engineering*

Dissertation: Inferring Deterministic Nonlinear Interactions in Complex Biological Systems

Dissertation Chair: R. Huffaker

Joan M. Meiners

Major: *Interdisciplinary Ecology*

Dissertation: Data Dynamics of Bee Biodiversity: Understanding Native Bee Ecology

Dissertation Chair: T. Frazer

Paul Mena

Major: *Mass Communication*

Dissertation: The Impact of Data Visualization on the Credibility of News and the Correction of Misinformation

Dissertation Chair: T. Waddell

Dissertation Co-chair: W. Wanta

Kannan Menon

Major: *Biomedical Engineering*

Dissertation: Design of an Efficient Framework to Improve the Outcomes and Usability of a Clinical Diffusion MRI Protocol

Dissertation Chair: J. Forder

Dissertation Co-chair: S. Blackband

Henry Cody Miller

Major: *Curriculum and Instruction*

Dissertation: "We Lead from the English Department": English Teachers Enacting Social Justice Leadership

Dissertation Chair: D. Fu

Caleb Andrew Milligan

Major: *English*

Dissertation: Post-Digital Touch: Writing Embodiments, Affective Interfaces, and Haptic Media

Dissertation Chair: T. Harpold

Jae Sun Min

Major: *Epidemiology*

Dissertation: Self-Injury Risk Factors and Outcomes among Adults in Florida

Dissertation Chair: M. Prospero

Amirhossein Moeini

Major: *Electrical and Computer Engineering*

Dissertation: Investigating Modulation Techniques for Four-Quadrant Grid-Tied Multilevel Converters to Achieve High Efficiency and High Dynamic Performance

Dissertation Chair: S. Wang

Tiffany L. Mohr

Major: *Mass Communication*

Dissertation: Exploring Relationships of Interest Group Strategic Communication and Agenda Building

Dissertation Chair: S. Kiouisis

Marissa Selena Molinar

Major: *Anthropology*

Dissertation: Drawing the World: Coso Range Archaic Rock Art as Performance, Community, and Cosmology

Dissertation Chair: K. Sassaman Jr.

Abolfazl Mollalo

Major: *Geography*

Dissertation: GIS-Based, Data-Driven Techniques for Spatial Analysis of Infectious Diseases at the Regional, State, and National Levels

Dissertation Chair: G. Glass

Douglas Andrew Monroe

Major: *Anthropology*

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

Dissertation Chair: C. Gravlee IV

Anneloes Chantal Mook

Major: *Sociology*

Dissertation: Certification, Market Construction, and the Global Value Chain: A Comparative Analysis of Citrus Imports into the European Union and the United States

Dissertation Chair: C. Overdeest

Andressa Morato Freitas

Major: *Soil and Water Sciences*

Dissertation: Phosphorus Release from Biochar of Various Feedstocks: Implications for Land Management

Dissertation Chair: V. Nair

Adriana Moreira Zolini

Major: *Animal Molecular and Cellular Biology*

Dissertation: Identification and Characterization of Genes and Genetic Variants Controlling Fertility and Embryo Survival in Dairy Cattle

Dissertation Chair: P. Hansen

Sarah Elisabeth Morrison-Smith

Major: *Human-Centered Computing*

Dissertation: E-Science Collaborations in the Life-Sciences: Challenges and Design Opportunities for Technology and Coordination

Dissertation Chair: J. Ruiz

Jonte Andris Myers

Major: *Special Education*

Minor: *Research and Evaluation Methodology*

Dissertation: Teacher Qualifications and Student Mathematics Achievement in Grades 6 through 12: An Exploratory Study

Dissertation Chair: M. Brownell

Dissertation Co-chair: N. Gage

Barbara Anna Myslik

Major: *Mass Communication*

Dissertation: Agenda Building Potential of Populist Politicians in European Union and in the United States

Dissertation Chair: S. Kiouisis

Adib Nahiyani

Major: *Electrical and Computer Engineering*

Dissertation: CAD Framework for Automated and Systematic Security Assessment of Modern SoCs

Dissertation Chair: M. Tehranipoor

Bijurika Nandi

Major: *Biomedical Engineering*

Dissertation: Assessing Information Flow in Neural Circuits

Dissertation Chair: M. Ding

Primali V. Navaratne

Major: *Chemistry*

Dissertation: Multifunctionalization of Knoevenagel Adducts and Cannabinoid-Based Drug Discovery

Dissertation Chair: A. Grenning

Virginia Lucia Neves Brandao

Major: *Animal Sciences*

Dissertation: Using Dual-Flow Continuous Culture System to Estimate Ruminant Fermentation Responses to Dietary Manipulations

Dissertation Chair: A. Faciola

Wei Ni

Major: *Genetics and Genomics*

Dissertation: Dissecting CRTC1-MAML2 Mediated Tumorigenesis

Dissertation Chair: L. Wu

Samaun Nili

Major: *Mechanical Engineering*

Dissertation: Error Analysis of Particle Force Model of an Euler-Lagrange Multiphase Dispersed Flow

Dissertation Chair: N. Kim

Dissertation Co-chair: R. Haftka

Verrill M. Norwood IV

Major: *Pharmaceutical Sciences—Medicinal Chemistry*

Dissertation: The Ring Distortion of Vincamine Creates Complex and Diverse Molecules for Drug Discovery

Dissertation Chair: R. Huigens III

Jason T. Nowell

Major: *Mathematics*

Dissertation: Denjoy Wolff Set for Analytic Maps on the Polydisk

Dissertation Chair: M. Jury

Enrico Opri

Major: *Biomedical Engineering*

Dissertation: Cortico-Thalamic Neurophysiology and Applications in Humans Affected by Essential Tremor

Dissertation Chair: A. Gunduz

Nicholas Robert Oranzi

Major: *Chemistry*

Dissertation: Improving the Vitamin D Assay Using Ion Mobility Coupled with Liquid Chromatography/Mass Spectrometry

Dissertation Chair: R. Yost

Tianyi Pan

Major: *Computer Engineering*

Dissertation: Diffusion in Networks: Dynamics and Heterogeneity

Dissertation Chair: M. Thai

Mukesh Pappoppula

Major: *Chemistry*

Dissertation: Enantioselective Dearomative Alkynylation of Nitrogen Heterocycles

Dissertation Chair: A. Aponick

Hyun Jong Park

Major: *Business Administration—Accounting*

Dissertation: Essay on the Auditors' Regulator and Litigation Environment

Dissertation Chair: W. Knechel

Seoung Hoon Park

Major: *Health and Human Performance*

Dissertation: Motor Control Deficits following Transient Ischemic Attack

Dissertation Chair: E. Christou

Riley J. Parrish

Major: *Materials Science and Engineering*

Dissertation: Analysis of the Radial Evolution of Microstructure and Fission Products in Fast Reactor Mixed Oxide Fuels

Dissertation Chair: A. Aitkaliyeva

Johanny Maribel Perez Baez

Major: *Veterinary Medical Sciences*

Dissertation: Risk Factors and Economic Impact of Postpartum Diseases in Dairy Cows

Dissertation Chair: K. Galvao

David John Peyton

Major: *Special Education*

Dissertation: Explicit and Systematic Instructional Practices across Special Education Contexts: A Generalizability Study

Dissertation Chair: M. Brownell

Carlos Raul Pitta Arcos

Major: *Food and Resource Economics*

Dissertation: Essays on the Economic Impacts of Huanglongbing on Florida's Citrus Industry

Dissertation Chair: R. Weldon

Rebecca L. Pitts

Major: *Astronomy*

Dissertation: On Dust, Carbon Monoxide, and Molecular Hydrogen in the Census of High and Medium-Mass Protostars

Dissertation Chair: P. Barnes

Gabrielle C. Pogge

Major: *Psychology*

Dissertation: Avoidance of Threatening Political Information

Dissertation Chair: J. Shepperd

Jean-Carlos Polanco Lopez

Major: *Counseling and Counselor Education*

Dissertation: The Impact of Conformity to Masculine Norms on Dominican Men's Perpetration of Intimate Violence: An Exploratory Study

Dissertation Chair: G. Good

Dissertation Co-chair: M. DePue

Daniel V. Poling

Major: *Special Education*

Dissertation: Perceptions of Students with Emotional and Behavioral Disabilities about Direct Verbal Aggression in School Settings

Dissertation Chair: S. Smith

Sumit Pradhan Shrestha

Major: *Agronomy*

Dissertation: Identifying Genetic Basis of Agronomic and Physiological Traits to Optimize Grain Partitioning in Soft Wheat under High Temperature Stress Environments

Dissertation Chair: M. Babar

Lourdes Rebeca Ptschelinze

Major: *Design, Construction and Planning*

Dissertation: Quality Performance Evaluation of Lump Sum Contracting for Florida Highway Construction Projects

Dissertation Chair: R. Minchin

Jingchuan Pu

Major: *Business Administration—Information Systems and Operations Management*

Dissertation: Three Essays on Users' Online Contribution

Dissertation Chair: H. Cheng

Qian Qin

Major: *Statistics*

Dissertation: Optimal Convergence Rate Bounds for Markov Chains Based on Drift and Minorization

Dissertation Chair: J. Hobert

Eugene Joseph Ragasa

Major: *Materials Science and Engineering*

Dissertation: Machine Learning Techniques for the Rational Design of Analytic Interatomic Potentials

Dissertation Chair: S. Phillpot

Shane W. Ramee

Major: *Fisheries and Aquatic Sciences*

Dissertation: Evaluation of Potential Masculinization Techniques for Two Freshwater Ornamental Species, the Rosy Barb and Dwarf Gourami

Dissertation Chair: M. DiMaggio

Falcon Dario Restrepo Ramos

Major: *Romance Languages—Spanish*

Dissertation: Language Contact and Converging Paths of Variation: Bilingual Rhotics in Two Island Communities of the Archipelago of San Andres, Colombia

Dissertation Chair: J. Aaron

Mohammad Ali Rezaei

Major: *Chemistry*

Dissertation: Structure-Based Drug Design against Cancer Targets CCR10 and CXR7, and Method Development for Prediction of Protein-Ligand Binding Affinity

Dissertation Chair: C. Li

Cecelia Rose Ribuffo

Major: *School Psychology*

Dissertation: Different Layers of Complexity: Understanding Pediatricians' Decision-Making for Early Detection of Possible Autism Spectrum Disorder

Dissertation Chair: N. Waldron

Eric J. Richardson

Major: *Counseling and Counselor Education*

Dissertation: Examining Gender Differences in Emotion Regulation and Influences on Abstinence Self-Efficacy, Commitment to Sobriety and Cravings during Partial Hospitalization Treatment for Substance Use Disorder

Dissertation Chair: M. DePue

Lance Allen Riley

Major: *Medical Sciences—Physiology and Pharmacology*

Dissertation: Titin, Sarcomere Structure, and the Molecular Clock: A Novel Path for Regulating Weakness

Dissertation Chair: K. Esser

Andrew J. Rodriguez

Major: *School Psychology*

Dissertation: Sleep Patterns in Children Ages 8 to 12 with Anxiety, Depressive, and Comorbid Anxiety and Depressive Disorders: Symptom Severity and Differences among Diagnoses

Dissertation Chair: D. Beaulieu

Dissertation Co-chair: J. McNamara

Michelle D. Rodriguez

Major: *Microbiology and Cell Science*

Dissertation: Modeling the Fetal Microbiome: Challenging the Sterile Womb Paradigm

Dissertation Chair: E. Triplett

Alexa Noelle Roth

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Identifying Determinants of Norovirus Virulence through Comparative Virology

Dissertation Chair: S. Karst

Tameka Gaye Samuels-Jones

Major: *Criminology, Law, and Society*

Dissertation: Regulatory Law and Local Stakeholder Influences on Green Crime in the Blue Mountains, Jamaica

Dissertation Chair: S. Perz

Gabriel Alfredo Sandler

Major: *Nuclear Engineering Sciences*

Dissertation: Verification and Validation of Atmospheric Transport Models Using the University of Florida Training Reactor

Dissertation Chair: J. Baciak

Ankita Sarkar

Major: *Physics*

Dissertation: pH-Dependent Properties of Ionizable Residues in the Hydrophobic Interior of a Protein

Dissertation Chair: A. Roitberg

Kendra Valaria Saunders

Major: *School Psychology*

Dissertation: Middle and High School Teachers' Perceptions of Mental Health and Adolescent Anxiety Disorders

Dissertation Chair: D. Beaulieu

Todd Richard Schumann

Major: *Electrical and Computer Engineering*

Dissertation: Electronic and Optical Applications of Perovskite and Ferroelectric Materials

Dissertation Chair: Y. Yoon

Nadine Alexandra Schwab

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Neuroanatomical and Cognitive Associations of C-Reactive Protein in Non-Demented Older Adults with Joint Pain: A Replicative and Exploratory Approach

Dissertation Chair: C. Price

Travis Logan Seay

Major: *Curriculum and Instruction*

Dissertation: "I Don't Want to Cause Trouble": A White History Teacher's Negotiation of Racial Boundaries in a Diverse Rural School

Dissertation Chair: E. Washington

Dissertation Co-chair: C. Busey

Yash Y. Shah

Major: *Materials Science and Engineering*

Dissertation: Designing Superparamagnetic Iron Oxide Particles Based Assays to Characterize Disease Features in Osteoarthritis

Dissertation Chair: J. Dobson

Dissertation Co-chair: K. Allen

Hossein Shahrtash

Major: *Mathematics*

Dissertation: The Implications of Conjugacy Class and Rational Class Sizes for the Structure of Finite Groups

Dissertation Chair: A. Turull

Hongyu Shan

Major: *Business Administration—Finance*

Dissertation: Essays on Corporate Venture Capital

Dissertation Chair: J. Houston

Dissertation Co-chair: J. Ritter

Michael H. Shang

Major: *Medical Sciences—Medical Physics*

Dissertation: A Novel Laser Interstitial Thermal Therapy Treatment Planning System to Optimize Laser Ablation Delivery to Brain Targets

Dissertation Chair: F. Bova

Jie Shao

Major: *Pharmaceutical Sciences—Pharmacy*

Minor: Statistics

Dissertation: Understanding Pulmonary Targeting of Inhaled Corticosteroids

Dissertation Chair: G. Hochhaus

Tiffany Orth Sheehan

Major: *Nursing Sciences*

Dissertation: Hospital and Patient Characteristics Associated with Delivery of Care and Outcomes in Patients with Aneurysmal Subarachnoid Hemorrhage

Dissertation Chair: A. Horgas

Summer Suzanne Shelton

Major: *Mass Communication*

Dissertation: Improving Representations of Physical Disabilities in Advertising: Recommendations for Change

Dissertation Chair: D. Treise

Steven Shen

Major: *Chemistry*

Dissertation: Extraction and Polymerization of Bioaromatics from Megacrops

Dissertation Chair: S. Miller

Turksen Shilts

Major: *Plant Pathology*

Dissertation: Aphid Transmission of Citrus tristeza virus

Dissertation Chair: N. Killiny

Jamie L. Shirley

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Mechanism and Prevention of Innate Immune Activation and Anti-Capsid CD8+ T Cell Priming in AAV Gene Therapy for Hemophilia

Dissertation Chair: R. Herzog

Tallyta Nayara Silva

Major: *Genetics and Genomics*

Dissertation: Genetic Approaches to Elucidate Sorghum cinnamate 4-hydroxylase (C4H) Effects on Lignin Biosynthesis and Biomass Conversion

Dissertation Chair: W. Vermerris

Skyler M. Simnitt

Major: *Food and Resource Economics*

Dissertation: Three Essays on the H-2A Temporary Agricultural Workers Program

Dissertation Chair: D. Farnsworth

Dissertation Co-chair: G. Onel

Alexandra Liane Skrivanek

Major: *Geology*

Dissertation: Inferences of Last Interglacial Sea-Level Variability from Circum-Caribbean Fossil Reefs

Dissertation Chair: A. Dutton

Valerie McKee Sledd

Major: *Agricultural Education and Communication*

Dissertation: An Examination of Problem Solving in Florida Family Farms

Dissertation Chair: S. Galindo

Dissertation Co-chair: H. Carter

Madison Brick Smith

Major: *Nursing Sciences*

Dissertation: Feasibility of a Pilot Web-Based Training Intervention to Support Adolescents and Young Adults with Type 1 Diabetes Using a Continuous Glucose Monitor

Dissertation Chair: G. Keenan

Yi Su

Major: *Public Health*

Dissertation: Socio-Environmental Characteristics and Geostatistical Modeling of Soil-Transmitted Helminth Infections among Children under Five in Urban Maputo, Mozambique

Dissertation Chair: S. Liang

Praveen Subedi

Major: *Forest Resources and Conservation*

Dissertation: Pine Productivity and Organic Matter Decomposition Responds to Nutrient Amendment and Weed Control Treatment History in Intensively Managed Second Rotation Pine Plantations

Dissertation Chair: E. Jokela

Dissertation Co-chair: J. Vogel

Molly J. Sullan

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Determining the Effect of Poor Sleep on Cognitive, Psychological, and Functional Outcomes in Neurotrauma Patients in an Inpatient Multi-Disciplinary Rehabilitation Setting

Dissertation Chair: R. Bauer

Songge Sun

Major: *Physics*

Dissertation: Aspects of Stable String Bit Models

Dissertation Chair: C. Thorn III

Chiranjib Sur

Major: *Computer Science*

Dissertation: Representations for Vision Language Intelligence Using Tensor Product Representation

Dissertation Chair: D. Wu

Flavia Tabay Zambon

Major: *Horticultural Sciences*

Dissertation: Roles of Endogenous Plant Hormones and Micronutrient Nutrition in Enhanced Tolerance of Huanglongbing in Citrus

Dissertation Chair: J. Grosser

Gordon N. Tam

Major: *Physics*

Dissertation: 22 K Superconductivity Induced in AeFe_2As_2 Post-Growth via Reactive Gases

Dissertation Chair: G. Stewart

Andrew C. Tamashunas

Major: *Chemical Engineering*

Dissertation: Understanding the Effects of Epigenetic Regulators on Nuclear Shaping and Elucidating Mechanotransduction Mechanisms

Dissertation Chair: T. Lele

Dissertation Co-chair: R. Dickinson

Yalun Tan

Major: *Pharmaceutical Sciences—Pharmacodynamics*

Dissertation: An Interrogation of Brain Oxytocin Signaling: Implications for Dysregulated Social Behavior

Dissertation Chair: E. Krause

Sofiya Andreyevna Tarasevich

Major: *Mass Communication*

Dissertation: Three Political Crises within the Framework of Agenda Building and International Diplomacy: The Turkish Case

Dissertation Chair: S. Kiousis

Zahra Tayebi

Major: *Food and Resource Economics*

Dissertation: The Use of Panel Time Series Data in Modeling Agricultural Markets

Dissertation Chair: G. Onel

Dissertation Co-chair: J. Seale Jr.

Leandro Dias Teixeira

Major: *Microbiology and Cell Science*

Dissertation: The Modulatory Effects of *Lactobacillus johnsonii* N6.2 on Host Inflammation and Lipid Profile

Dissertation Chair: C. Gonzalez

Mercedes Beatriz Tejera-Garcia de la Concha

Major: *Romance Languages—Spanish*

Dissertation: *La mujer y la máquina ciborgs, ginoïdes y replicantes en la ciencia ficción iberoamericana (2005-2015)*

Dissertation Chair: M. Ginway

Naweena Thapa

Major: *Plant Pathology*

Dissertation: Seasonal Application of Steam-Generated Thermotherapy to Huanglongbing-Affected Citrus Trees: Evaluating Its Effect on *Candidatus Liberibacter asiaticus* Population and Yield

Dissertation Chair: M. Dewdney

Patrick David Thelen

Major: *Mass Communication*

Dissertation: Nurturing Employee Advocacy: The Determining Role of Internal Communication

Dissertation Chair: L. Men

Lia Kay Thibodaux

Major: *School Psychology*

Dissertation: Measurement Invariance of the Strengths and Difficulties Questionnaire for Students with and without Disabilities

Dissertation Chair: J. Kranzler

Dissertation Co-chair: J. Splett

Ryan Thomson

Major: *Sociology*

Dissertation: Environmentalism(s): Race & Space Reconsidered

Dissertation Chair: S. Perz

Jing Tian

Major: *Computer Science*

Dissertation: Defending Operating Systems from Malicious Peripherals

Dissertation Chair: K. Butler

Caitlin Marie Tibbetts

Major: *Civil Engineering*

Dissertation: Evaluation of Porosimetry, Permeability, and Transport Mechanisms in Portland Cement Systems

Dissertation Chair: C. Ferraro

Andrew Ernest Toelle

Major: *Agricultural Education and Communication*

Dissertation: Competencies Essential for Early Career 4-H Agent Success

Dissertation Chair: E. Osborne

Ho Ming Tong

Major: *Chemical Engineering*

Dissertation: Growth of Chalcopyrites and Kesterites for Absorber Layers in Solar Cells

Dissertation Chair: T. Anderson

Amanda Jean Townsend

Major: *Astronomy*

Dissertation: Big Science with Small Telescopes: Novel Optical Instrumentation and Compact Object Observations

Dissertation Chair: S. Eikenberry

Luke Morris Trimmer-Smith

Major: *Zoology*

Dissertation: Development of a Biologically Relevant Virus-Fish Model System to Study Infection Dynamics and Disease-Associated Behavior

Dissertation Chair: M. Wayne

Matthias Amarante Rafael Trujillo-Torres

Major: *Chemical Engineering*

Dissertation: Fabrication of Nanoporous Templates for Use in Gas Phase Separation. Methods for Achieving near Atomic Dimensions

Dissertation Chair: K. Ziegler

Dissertation Co-chair: S. Vasenkov

Min-Chuan Tsai

Major: *Curriculum and Instruction*

Dissertation: International ESL Students' Perspectives on Collaboration in Project-Based Learning with a 3D Printing Component

Dissertation Chair: E. De Jong

Min-Hsuan Tu

Major: *Business Administration—Management*

Dissertation: Salience of Leader Aspirational Self and Leader Mistreatment

Dissertation Chair: J. Bono

Wilhelmina van Dijk

Major: *Special Education*

Minor: *Linguistics*

Minor: *Research and Evaluation Methodology*

Dissertation: The Relation between Implementation Fidelity of Reading Intervention and Students' Reading Outcomes

Dissertation Chair: H. Lane

Dissertation Co-chair: A. Manley

Dorianmarie Vargas-Franco

Major: *Genetics and Genomics*

Dissertation: Role of SNRPN Upstream Exons in Angelman/Prader-Willi Locus

Dissertation Chair: J. Resnick

Derrick R. Vaughn

Major: *Geology*

Dissertation: Changes in Blue Carbon Sequestration Rates and Vegetation with Macroclimate Variability in Intertidal Wetlands of Northern Florida

Dissertation Chair: T. Bianchi

Aaron G. Victoria

Major: *Anthropology*

Dissertation: Finding Rhythms in the Road: How Mobilities Become Livelihoods on the Inter-American Highway

Dissertation Chair: R. Kernaghan

Vindhya Vijay

Major: *Medical Sciences—Cancer Biology*

Dissertation: Identifying New Therapeutic Targets for Acute Myeloid Leukemia Protected in the Vascular Niche

Dissertation Chair: C. Cogle

Iliana Guadalupe Villegas

Major: *Anthropology*

Dissertation: *Me voy p'al norte*: Adolescent Migrants in Securitized Mesoamerica

Dissertation Chair: I. Jusionyte

Dissertation Co-chair: R. Kernaghan

Maria Marshall von Chamier

Major: *Veterinary Medical Sciences*

Dissertation: Nicotine Modulation of the Maternal-Fetal Host Response to Infection

Dissertation Chair: M. Brown

Kristen Amelia Walczesky

Major: *Anthropology*

Dissertation: Totem Poles in the East: An Examination of the Misrepresentation, Silencing, and Forced-Forgetting of Native Americans in the United States

Dissertation Chair: S. Defrance

Walter John Waltz

Major: *Mechanical Engineering*

Dissertation: An Intelligent Framework for Proactive Health Analysis and Monitoring of Autonomous Mobile Robots

Dissertation Chair: C. Crane

Kaiqi Wang

Major: *Civil Engineering*

Dissertation: Strain Localization in Thermal Unsaturated Soil via Stabilized Mixed Finite Elements

Dissertation Chair: X. Song

Mengxiong Wang

Major: *Medical Sciences—Physiology and Pharmacology*

Dissertation: On the Trail of a Proteostatic Killer of Highly Resistant and Metastatic Breast Cancer

Dissertation Chair: B. Law

Joseph Garrett Wasser

Major: *Rehabilitation Science*

Dissertation: Motion Factors Related to Low Back Pain in Lacrosse Athletes

Dissertation Chair: H. Vincent

Elodie Olivia Wendling

Major: *Health and Human Performance*

Dissertation: Development and Validation of the Career Identity Development Inventory and Its Application to Former NCAA Student-Athletes

Dissertation Chair: M. Sagas

Virginia Christine White

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Serpins from Myxoma Virus Can Be Used in Gene Therapy to Target Retinal Inflammation

Dissertation Chair: A. Lewin

Joseph I. Whitman

Major: *Economics*

Dissertation: Essays in the Economics of Sports and Trade

Dissertation Chair: J. Hamilton

Ryan P. Whittingham

Major: *Political Science*

Dissertation: Coercion or Accommodation? A Bargaining Theory Explanation of State Repression

Dissertation Chair: M. Bernhard

Jaime Lin Williams

Major: *Counseling Psychology*

Dissertation: Motivators of and Barriers to Health-Promoting Behaviors and Healthcare Participation among People with Physical Disabilities

Dissertation Chair: C. Tucker

Jungyun Won

Major: *Mass Communication*

Dissertation: An Exploratory Study of Situational Awareness, Social Ties Influence Quality, and Online Issue Campaign Participation Intentions Dealing with Controversial Social Issues

Dissertation Chair: L. Hon

Chia-Yu Wu

Major: *Geography*

Dissertation: Decadal Morphodynamic and Sedimentation Variations in the Lowermost Mississippi River

Dissertation Chair: J. Mossa

Pei-Ying Wu

Major: *Mechanical Engineering*

Dissertation: Material Removal and Deformation Mechanisms of Additively Manufactured 316L Stainless Steel Parts Processed Using Magnetic Field-Assisted Finishing

Dissertation Chair: H. Greenslet

Min Xiao

Major: *Mass Communication*

Dissertation: Gamification in Branded Mobile Apps: Usage Motivators and Engagement Outcomes

Dissertation Chair: S. Chan-Olmsted

Tianyuan Xiao

Major: *Chemistry*

Dissertation: Synthesis, Characterization, and Properties of Nanoparticles and Their Assemblies under High-Pressure and Asymmetric Field

Dissertation Chair: Y. Cao

Zeren Xing

Major: *Statistics*

Dissertation: Spectral Gap Estimation of Markov Chains in Bayesian Shrinkage Model and Covariance Estimation for Spatio-Temporal Data

Dissertation Chair: K. Khare

Dissertation Co-chair: N. Bliznyuk

Tian Xu

Major: *Business Administration—Accounting*

Dissertation: Auditor-Provided Tax Services and Tax Outcomes

Dissertation Chair: G. McGill

Dissertation Co-chair: M. Mayberry

Di Yang

Major: *Geography*

Minor: Forest Resources and Conservation

Dissertation: Forest Mosaics: Spatial Forest Management Patterns from Stands to Regional Scales in Southeastern U.S. Coastal Plain and Piedmont

Dissertation Chair: M. Binford

Abraham Kojo Arhin Yarney

Major: *Civil Engineering*

Dissertation: Understanding Older-Driver Safety Based on Crashes, Near-Crashes, and Traffic Citations

Dissertation Chair: S. Srinivasan

Cheng Ye

Major: *Animal Molecular and Cellular Biology*

Dissertation: Deciphering the Pathogenic Activation of T Cells in Type 1 Diabetes

Dissertation Chair: J. Driver

Amir Yousefi

Major: *Business Administration—Finance*

Dissertation: Essays in Finance: The Effects of Exchange Traded Funds on Corporate Decisions

Dissertation Chair: M. Flannery

Dissertation Co-chair: M. Nimalendran

Zechen Yu

Major: *Environmental Engineering Sciences*

Dissertation: Modeling the Impact of Mineral Dust Particles on Atmospheric Oxidation of Tracers

Dissertation Chair: M. Jang

Yifeng Yuan

Major: *Microbiology and Cell Science*

Dissertation: Deazaguanine Derivatives: Identification of Insertion Pathway in DNA and of Salvage Pathways in Transfer RNA

Dissertation Chair: V. De Crecy-Lagard

Rachel S. Zahigian

Major: *Biostatistics*

Dissertation: Improvements in the Design of Novel Two-Stage Adaptive Clinical Trials

Dissertation Chair: S. Wu

Dissertation Co-chair: J. Kairalla

Carlos Andres Zambrano Vaca

Major: *Horticultural Sciences*

Dissertation: Determining Water Requirements for Low-Chill Peaches in Subtropical Humid Conditions

Dissertation Chair: L. Zotarelli

Dissertation Co-chair: K. Migliaccio

Xun Zhang

Major: *Design, Construction and Planning*

Dissertation: Application of Queuing Theory: A Decision Support Model for Construction Companies in the Implementation of 3D Printing

Dissertation Chair: I. Flood

Yanan Zhang

Major: *Microbiology and Cell Science*

Dissertation: Characterization of Stringent Response Regulators ppGpp, DksA in *Xanthomonas citri* subsp. *citri*

Dissertation Chair: N. Wang

Yi Zhang

Major: *Pharmaceutical Sciences—Medicinal Chemistry*

Dissertation: In vitro Reconstitution of the Modular Biosynthesis of Microviridins for the Production of Serine Protease Inhibitors

Dissertation Chair: Y. Ding

Yunlu Zhang

Major: *Chemistry*

Dissertation: Plasmonic Mediated Growth of Functional Materials for Enhanced Photocatalysis

Dissertation Chair: W. Wei

Zhiyuan Zhao

Major: *Chemical Engineering*

Dissertation: Dynamics and Magnetization Dynamics of Magnetic Nanoparticles in Applied Magnetic Fields

Dissertation Chair: C. Rinaldi

DOCTOR OF EDUCATION

Elizabeth L. Grulke

Major: *Curriculum and Instruction*

Dissertation: Investigating Conceptions of Mathematics and Approaches to Learning of First-Year College Students Engaging in Online Discussions

Dissertation Chair: P. Antonenko

Alisa Hadley Hanson

Major: *Special Education*

Dissertation: A Summative Program Evaluation of an Online Graduate Dyslexia Certificate for Practitioners

Dissertation Chair: H. Lane

Shaun Thomas Hurley

Major: *Curriculum and Instruction*

Dissertation: The Design, Development, Implementation, and Evaluation of a Flipped Instructional Unit for an Advanced Placement Computer Science A Class

Dissertation Chair: A. Ritzhaupt

Eric M. Inboden

Major: *Curriculum and Instruction*

Dissertation: Instructional Practices when Using Video Authentic Resources in the FLES Classroom

Dissertation Chair: S. Kumar

Timothy Pearce Miller

Major: *Curriculum and Instruction*

Dissertation: Student Experiences Learning Psychomotor Skills in a Blended Doctor of Physical Therapy Program

Dissertation Chair: S. Kumar

Kenneth Allen Savage

Major: *Educational Leadership*

Dissertation: The Price of Excellence: Student Learning Outcomes from Alternative Compensation Models that Feature Substantial Starting Salaries for Teachers

Dissertation Chair: R. Wood



DOCTOR OF AUDIOLOGY

Lisa Bell
Welen Weilu Chen

Amanda Damron
Jaivikas Hiriyanna Gowda

Stephen D. Griffiths
Michelle H. Miller

DOCTOR OF BUSINESS ADMINISTRATION

Okechukwu Azie
Jeffrey J. Bannink
Scott G. Carpenter
Sonia P. Casablanca
John R. Cooper

John Eckroth
Michael Ozuzu Gabson
Randall Todd Markley
William Alan McKnight
Lisa Kay Meneau

Rakesh Mishra
Mark Anthony Napier
Christie Marie Novak
Janarthan V. Nythruva
Eddie Sanchez Jr.

PROFESSIONAL DEGREES

THE FREDRIC G. LEVIN COLLEGE OF LAW

Dean Laura A. Rosenbury

DOCTOR OF JURIDICAL SCIENCES IN TAXATION

Fawzi Khalil Bredan

MASTER OF LAWS IN INTERNATIONAL TAXATION

Jonathan J. Brathwaite

Silvia Perdochova

MASTER OF LAWS IN TAXATION

Margaret E. Alfred
Lee Edward Palmer Brockington
David Alan Domingos

Maury W. Ivey
Nathaniel Quintin Meyers

Christopher Alexander Perkins
Neeta M. Romot
Jonathan Samuel Wolf

THE COLLEGE OF PHARMACY

Dean Julie A. Johnson

DOCTOR OF PHARMACY

Joshua Leo Allman
Emmanuel C. Anozie Sr.
So Man Amanda Au-Yeung
Justina C. Awugosi
Dean Warren Bays
Tara Boulos Roeckner
Jibat B. Degu

Manuel A. Diz
Ajay Gupte
Stephanie Antonia Joseph
Uchechukwu J. Madiusque
Nisha Mathew
Stephanie Jordan Mayes
Michelle Erwine McLaughlin
Deanna A. Morrison

Tariq Abdelrazzaq Mosleh
Uykok Ngo
Francis Chukwuemeka Ogoegbunam
Babatunde Raifu Oyewumi
Ahmed Sharaf
Nanjoo Shin
Asha Varghese

THE COLLEGE OF NURSING

Dean Anna M. McDaniel

DOCTOR OF NURSING PRACTICE

Timothy J. Anderson
Shelley Marie Beldock
Elizabeth Jeanne Broome
Celia Danielle Colson
Sarah K. Cornwell
Annalise Marie DeBoef

Bonaparte G. Diaz Jr.
Jamie Brumley Elliott
Antoinette Eldayrie Evelyn
Graciela T. Gallo
Jane Ann Hollis
Cody A. Pigon
Olitiana Randrianasolo

Allison R. Sapp
Jordan M. Solomon
Kathryn L. Starr
Alceste Sara Maria Villasuso
Amanda M. Vining
Emily Ann Zubiria



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. 8 in U.S. News & World Report "Top Public Universities" (2018); No. 12 in the Wall Street Journal/Times Higher Education list of Best Public Colleges (2017); No. 3 on the Forbes' list of Best Value Public Universities (2017); No. 1 on Value Colleges' list of Top 50 Best Value Colleges (2016); and No. 1 on the Times Higher Education list of best public universities for employers to find new hires.

Faculty

- UF has more than 5,000 faculty members with distinguished records in teaching, research and service, including 36 Eminent Scholar chairs and 45 faculty elections to the National Academy of Sciences, Engineering, the National Academy of Medicine or the American Academy of Arts and Sciences.
- Awards include two Pulitzer Prizes, NASA's top award for research, and the Smithsonian Institution's conservation award.

Students

- Ninety-seven percent of incoming freshmen score above the national average (1500/21) on standardized exams. Students admitted for the fall 2018 freshman class had an average 4.45 GPA and an average SAT score of 1370.
- The freshman retention rate of 96 percent is among the highest in the country.
- UF awards more professional degrees to African American, Hispanic and other minority students than any other public university in the Association of American Universities (2014-15).
- Sixty-seven percent of UF full-time freshmen graduate in four years (2011-12 cohort), and 87 percent of UF freshmen graduate within six years (2009-10 cohort).
- Fifty-seven percent of UF graduates leave the university with no student-loan debt. For the remaining students, their average indebtedness is about \$21,603, as compared with the national average of more than \$30,000 (2015-16).



2019 SUMMER
COMMENCEMENT



Chain of Office

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

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.



Diplomas

Diplomas will be mailed to the graduate's permanent home mailing address in September 2019.



2019 SUMMER
COMMENCEMENT

Caps and Gowns, An Explanation

The academic regalia worn by graduating students and faculty at today's commencement ceremonies 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 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 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.





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