

**UF/IFAS Graduate Research Awards of Excellence Doctoral Dissertation
1986-2021**

Year	Student	Title	Advisor(s)
2021 - Agricultural Systems	Clayton Nevins	Biological Soil Crusts Impact Nutrient Cycling and Soil Microbiome in Agroecosystems	Patrick Inglett & Sarah Strauss
2021 - Natural Resources	Ryan Brazeal	Development of an Open-Source Mobile Mapping System for Unoccupied Aerial Systems	Benjamin Wilkinson
2021 - Human Systems & BEST OVERALL	Madeline Vroom	Modeled Microgravity alters Bacteria- Induced Apoptosis in the Squid-Vibrio Symbiosis	Jamie Foster
2020 - Agricultural Systems & Best Overall	Achilles Vieira Neto	Mineral Metabolism in Transition Dairy Cows: The Role of Acid-Base Status and Vitamin D Metabolites	Jose Eduardo Santos
2020 - Natural Resources	Casey Parker	Dynamics of Insecticide Susceptibility Status in Florida <i>Aedes Aegypti</i> (Linnaeus) and <i>Aedes Albopictus</i> (Skuse) Populations and Evaluation of Mosquito Education Campaigns	Roxanne Connelly
2020 - Human Systems	Natalie Ann Harrison	<i>Lactobacillus Johnsonii</i> N6.2-Derived Nanovesicle Components as Driving Factors to T1D Prevention	Graciela Lorca
2019	Kristen Dahl	Life History and Ecology of Invasive Lionfish Populations in the Northern Gulf of Mexico: Impacts to Native Reef Fish Communities and Their Potential Mitigation	William Patterson

2018	Zhengxin Ma	Mode of Action and Application of Chitosan-Based Nano/Microscale Alternative Antimicrobial Agent	KC Jeong
2017	Natalie Nelson	Quantifying the Importance of Abiotic and Biotic Fresh-Brackish Water Quality Drivers Using Data Analytics and Models	Rafael Munoz-Carpena
2016	Bryan G. Matthias	The Effects of Environmental Variation, Density, Reproduction and Size-Selective Fishing Mortality of Fish Life History Traits	Rob Ahrens
2015	Eduardo de Souza Ribeiro	Molecular Features of Reproductive Biology Associated with Fertility in Lactating Dairy Cows	Jose Eduardo Santos
2014	Cintia L. Ribeiro	Molecular Characterization of Candidate Genes for Quantitative Traits in Populus	Matias Kirst
2013	Leandro Gomide Neves	Exome Sequencing for High-Throughput Genomic Analysis of Trees	Matias Kirst & William Barbazuk
2012	Kofikuma Adzewoda Dzotsi	Rainfall Variability Effects on Aggregated Crop Model Productions	James W. Jones
2011	Josiah Harold Townsend	Integrative Taxonomy Reveals the Chortis Block of Central America as an Underestimated Hotspot of Amphibian Diversity	James D. Austin
2010	Charles Thomas Hunter, III	The Mu Transposons of Zea Mays and Their Use in Determining Gene Function: Cellulose Synthase-Like D Genes in Plant and Cell Development	Karen E. Koch

2009	Matthew Adam Humbard	Post-Translational Modification and the 20s Proteasome System of the Haloarchaeon <i>Haloferax volcanii</i>	Julie A. Maupin-Furlow
2008	Jennifer Michelle Zaspel	Systematics, Biology, and Behavior of Fruit-Piercing and Blood-Feeding Moths in the SubFamily Calpinae (Lepidoptera: Nictuidae)	Marc A. Branham
2007	Phillip Aaron Kirkland	Identification of Native 20s Proteasomal Substrates in the Haloarchaeon <i>Haloferax volcanii</i> through Degradomic and Phosphoproteomic Analysis	Julie A. Maupin-Furlow
2006	Rocio Isabel Diaz de la Garza	Folate Engineering in Tomato Fruit	Andrew D. Hanson
2005	Carmen Velero-Aracama	Physiological and Anatomical Basis for Differences in Growth Performance During In Vitro and Ex Vitro Culture of Sea Oats (<i>Uniola paniculata</i> L.) Genotypes	Michel E. Kane & Sandra B. Wilson
2004	Konstantinos Christos Makris	Long-Term Stability of Sorbed Phosphorus by Drinking-Water Treatment Residuals: Mechanisms and Implications	William G. Harris & Thomas A. Obreza
2003	Roger Darros Barbosa	High Pressure and Temperature Dependence of Thermodynamic Properties of Model Food Solutions Obtained from in Situ Ultrasonic Measurements	Murat Balaban & Arthur Teixeira
2002	Fabiola Freitas De Paula Lopes (CO-WINNER)	Determinants of Embryonic Resistance to Heat Shock During the Preimplantation Period in Cattle	Peter J. Hansen

2002	Patrick F. M. Meeus (CO-WINNER)	Genetic Variation of the Major Surface Protein 3 in Anaplasma Marginale	Anthony F. Barbet
2001	Joanna Cross	ADP-Glucose Pyrophosphorylase Activity from Maize-Potato Mosaics	Robert R. Schmidt
2000	Christine Steible Hartless	Modeling Spatial Use of Patterns of White-tailed Deer in the Florida Everglades	Ronald Labisky
1999	Diego Andres Luzuriaga	Application of Computer Vision and Electronic Nose Technologies for Quality Assessment of Color and Odor of Shrimp and Salmon	Murat Balaban
1998	Elisa M. D'Angelo	Soil Processes Regulating the Fate of Chlorophenols in Wetlands	K. Ramesh Reddy
1997	Bao-Cai Tan	Molecular Analysis of an Abscisic Acid Deficient Mutant, viviparous 14 of Maize	Donald R. McCarty
1996	Carlyle C. Brewster	Spatiotemporal Dynamics of Insects in large Scale Agricultural Systems: Methodology and Analysis with the Silverleaf Whitefly, BEMISIA ARGENTIFOLII (Bellows and Perring)	Jon C. Allen
1995	Barbara A. Torres	Retroviral Superantigens	Howard Johnson
1994	Jianguo Yuan	In Vitro Analyses of Protein Transport into Thylakoids; A Subset of Chloroplast Proteins are Transported into Thylakoids by a Chloroplast Seca-Dependant Pathway	Kenneth Cline

1993	Nicolaas C. M. H. De Vetten	Isolation and Characterization of Proteins Associated with the Maize G-Box Binding Complex Recognizing a Promoter Element of the ADH1 Gene	Robert J. Ferl
1992	Yong Ko	Identification, Characterization and Possible Functions During Early Pregnancy of Uterine-Derived Peptide Growth Factors	Information Not Available
1991	Leonor Costa Maia	Morphological and Ultrastructural Studies on Spores and Germ Tubes of Selected Arbuscular Mycorrhizal Fungi (Glomales)	James E. Kimbrough
1990	Ted C. J. Turlings	Semiochemically Mediated, Host-Searching Behavior of the Endoparasitic Wasp <i>Cotesia marginiventris</i> (Cresson) (Hymenoptera: Braconidae)	Not Available
1989	Gaetan Bourgeois	Interrelationships Between Late Leafspot Disease and Florunner Peanut: A Modeling Approach	Not Available
1988	Jeffrey Vallet (CO-WINNER)	The Effect of Ovine Trophoblast Protein-one on the uterus during the time of Maternal Recognition of Pregnancy in Ewes	Not Available
1988	Jacqueline Belwood (CO-WINNER)	The Influence of Bat Predation on Calling Behavior in Neotropical Forest Katydid (Insecta; Orthoptera: Tettigoniidae)	Not Available
1987	Scot Williams	Not Available	Not Available
1986	Ellen R. Barber	Not Available	Not Available