

Early Career Seed Funding by IFAS Dean for Research Office, Senior VP for Agriculture and Natural Resources, and the UF VP for Research

2015 List of Winners:

PI: Dr. Damian Adams

Unit: School of Forest Resources and Conservation

Title: Assessment of Feasible Forest Water Yield Program Features and Landowner Preferences

Research Funding: \$49,971

PI: Dr. Soohyoun Ahn

Unit: Food Science & Human Nutrition

Title: Detection and Molecular Identification of Viable Shiga Toxin-Producing *E.coli* (STEC) in Meat by Multiplex DNA Sensor Array System Combined with Nucleic Acid Photo-Labeling

Research Funding: \$49,962

PI: Dr. Nikolay Bliznyuk

Unit: Agricultural & Biological Engineering

Title: Novel Methods for Spatio-Temporal Modeling and Inference for Infectious Diseases

Research Funding: \$48,400

PI: Dr. Nathan Boyd

Unit: Horticultural Sciences/Gulf Cost REC- Balm

Title: Development of Precision Application Technology for Weed Management in Vegetables

Research Funding: \$33,476

PI: Dr. John Bromfield

Unit: Animal Sciences

Title: Uterine Infection & Immunity: What's Protecting the Germline from Pathogens?

Research Funding: \$50,000

PI: Dr. Samantha Brooks

Unit: Animal Sciences

Title: Identification of Heritable Genetic Components Contributing to Cryosurvival in Stallion Sperm

Research Funding: \$41,180

PI: Dr. Zhengfei Guan

Unit: Food & Resource Economics/Gulf Coast REC - Balm

Title: Development of the Decision Support System for Agrotechnology Transfer (DSSAT) for Florida Strawberry Production

Research Funding: \$49,602

PI: Dr. Jaclyn Kropp

Unit: Food& Resource Economics

Title: Examining Socioeconomic and Demographic Determinants of Differences in Lunch Consumption by National School Lunch Program Participants Using Plate Waste Data

Research Funding: \$39,752

PI: Dr. Phillip Lancaster

Unit: Animal Sciences/Range Cattle REC - Ona

Title: Metabolic Differences in Growing Heifers and Mature Beef Cows Having Low and High Feed Efficiency

Research Funding: \$49,882

PI: Dr. Guodong Liu

Unit: Horticultural Sciences

Title: Rapid Identification of Phosphorous-Efficient Genotypes from Tomato Germplasm Banks

Research Funding: \$48,167

PI: Dr. Paul Monaghan

Unit: Agricultural Education & Communication

Title: Using Social Marketing Research to Understand the Dissemination of Innovations Promoted by Florida Friendly Landscaping Practices

Research Funding: \$50,000

PI: Dr. Patricio Munoz

Unit: Agronomy

Title: Discovering the Molecular Mechanism of 2,4-D Herbicide Resistance

Research Funding: \$49,380

PI: Dr. Gulcan Onel

Unit: Food& Resource Economics

Title: Creating Sustainable Workforce for Small Fruits and Vegetables Industry in Florida: The Impact of Federal Immigration Programs and Solutions to Labor Shortages

Research Funding: \$49,979

PI: Dr. Joshua Patterson

Unit: Forest Resources & Conservation

Title: Intraspecific Variation in Phenotype and Gamete Compatibility of Caribbean Staghorn Coral *Acropora cervicornis*

Research Funding: \$49,689

PI: Dr. Elizabeth Pienaar

Unit: Wildlife Ecology & Conservation

Title: Game Ranching in Southern Africa: Can Trophy Hunting Incentivize Conservation and Recovery of Both Game and Non-Game Species on Private Lands?

Research Funding: \$50,000

PI: Dr. Paul Sarnoski

Unit: Food Sciences and Human Nutrition

Title: Developing Better Processed Tomato Products

Research Funding: \$49,103

PI: Dr. Huiping Yang

Unit: Forest Resources & Conservation

Title: Application of Germplasm Cryopreservation for Molluscan Shellfish Aquaculture

Research Funding: \$49,604