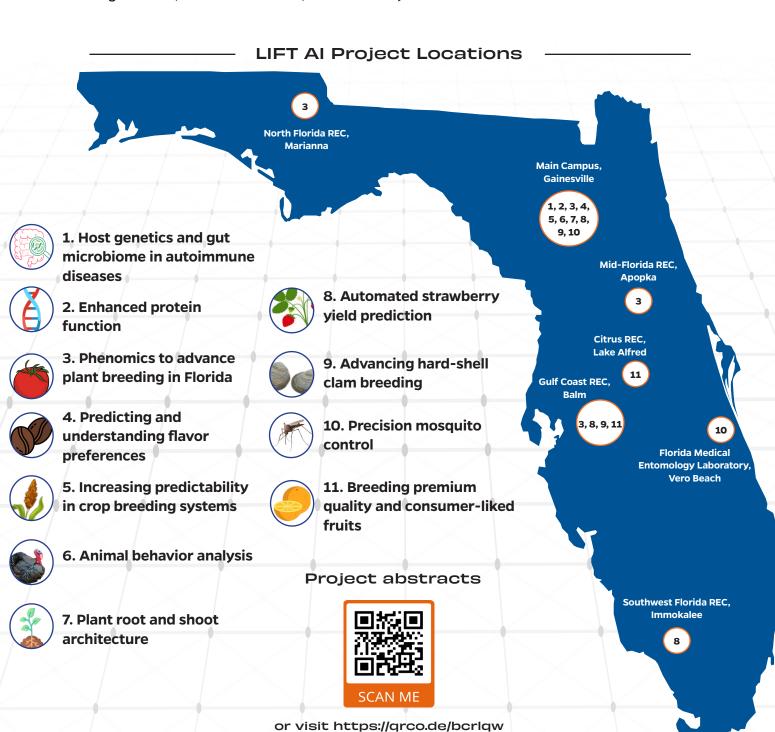


Launching Innovative Faculty Teams in Artificial Intelligence (LIFT AI)

UF/IFAS is committed to leveraging artificial intelligence to solve problems for Florida and beyond. The office of the UF/IFAS Dean for Research awarded 11 faculty teams a total of \$261,723 in funding through a new program called **Launching Innovative Faculty Teams in AI (LIFT AI).** The creation of these teams and a gift from NVIDIA upgrading the University of Florida's HiPerGator super computer will foster important AI research in agriculture, natural resources, and human systems.



LIFT AI faculty teams include:

10 UF/IFAS Departments:

Agricultural & Biological

Engineering (ABE)

Agronomy (AGR)

Animal Sciences (ANS)

Entomology & Nematology (ENY)

Environmental Horticulture (ENH)

Food Science & Human

Nutrition (FSHN)

Forest, Fisheries &

Geomatics Sciences (FFGS)

Horticultural Sciences (HOS)

Microbiology & Cell Science (MCS)

Plant Pathology (PLP)

6 UF/IFAS Research and Education Centers:

Citrus REC (CREC)

Florida Medical Entomology

Laboratory (FMEL)

Gulf Coast REC (GCREC)

Mid-Florida REC (MREC)

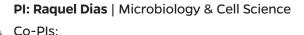
North Florida REC (NFREC)

Southwest Florida REC (SWFREC)

Other affiliations:

Florida Museum of Natural History (FMNH)
Penn State University

1 - Autoimmune diseases2- Enhanced protein function



- 1 Luiz Roesch (MCS)
- 2 Matias Kirst (FFGS), Marcio Resende (HOS)

3 - Phenomics for plant breeding



PI: Changying "Charlie" Li | Agricultural & Biological Engineering

Co-Pls: Heqiang Huo (MREC/HOS), Sam Hutton (GCREC/HOS), Henry Medeiros (ABE), Patricio Muñoz (HOS), Barry Tillman (NFREC/AGR), Xu "Kevin" Wang (GCREC/ABE)

4 - Flavor preferences

PI: Felipe Ferrão | Horticultural Sciences

Co-Pls: Raquel Dias (MCS), Patricio Muñoz (HOS), Marcio Resende (HOS), Charles Sims (FSHN), Denise Tieman (HOS)

5 - Predictability in crop breeding



PI: Carlos "Charlie" Messina | Horticultural Sciences

Co-PIs: Diego Jarquin (AGR), Henry Medeiros (ABE)

6 - Animal behavior analysis



PI: Daniel Hofstetter | Agricultural & Biological Engineering

Co-Pls: John Boney (ANS at Penn State University), Henry Medeiros (ABE)

7 - Plant growth



PI: Jeongim Kim | Horticultural Sciences

Co-Pls: Thomas Colquhoun (ENH), Haipeng Yu (ANS)

8 - Strawberry yield prediction



PI: Wonsuk "Daniel" Lee | Agricultural & Biological Engineering

Co-Pls: Shinsuke Agehara (GCREC/HOS), Yiannis Ampatzidis (SWFREC/ABE), Natalia Peres (GCREC/PLP)

9 - Clam breeding



PI: Huiping Yang | Forest, Fisheries, & Geomatics Sciences

Co-Pls: Xu "Kevin" Wang (GCREC/ABE), Haipeng Yu (ANS)

II - Breeding premium fruits

10 - Precision mosquito control



PI: Lindsay Campbell | Florida Medical Entomology Laboratory/ Entomology & Nematology

Co-PI: Robert Guralnick (FMNH)

PI No

PI: Yu Wang | Citrus REC/ Food Science & Human

Nutrition

Co-PIs: Fred Gmitter (GCREC/HOS), Xu "Kevin"
Wang (GCREC/ABE), Vance Whitaker (GCREC/HOS)