

We are recruiting three graduate students (two at the Master level and one at the Doctoral level) to study Soil Health and Data Science in Fall 2022. These are *fully funded, full-time positions* supported by the USDA's National Needs Graduate Fellowship Program (NNF) and include a full tuition waiver, health insurance, and a competitive stipend. The cohort of Fellows will matriculate through the Soil, Water, and Ecosystem Sciences Department at the University of Florida while also collaborating with and receiving training from data science experts in the Department of Biology and the School of Forest, Fisheries and Geomatics Sciences.

Training within this cohort will equip Fellows with expertise in the fundamentals of soil science and soil health and interdisciplinary training to couple cutting edge data analytics with those fundamentals. Fellows will be engaged in data-enabled, team-based research that translates complex soil data into actionable management practices, extension recommendations, and/or policy recommendations and will receive focused training in leadership, diversity, and extension. Fellows will also have multiple opportunities to attend/present their work at professional research and/or extension-based conferences.

The NNF Fellowships are only available to citizens or nationals of the United States of America. Students from historically underrepresented communities or women are particularly encouraged to apply. *To apply, contact at least one of the faculty listed below and include your resume.* Note that GRE score is NOT considered or required for the application. Positions will remain open until filled.

#### **Potential advisors**

- Dr. Yang Lin, NNF Team Lead and main contact ([ylin2@ufl.edu](mailto:ylin2@ufl.edu); statistical assessment of soil health, <https://ylinterra.com>)
- Dr. Gabriel Maltais-Landry ([maltaislandryg@ufl.edu](mailto:maltaislandryg@ufl.edu); advising on the biological and chemical aspects of Soil Health; [soils.ifas.ufl.edu/sustainable-nutrient-management-systems/](https://soils.ifas.ufl.edu/sustainable-nutrient-management-systems/))
- Dr. Sarah Strauss ([strauss@ufl.edu](mailto:strauss@ufl.edu); advising on the soil microbiology components of Soil Health; [swfrec.ifas.ufl.edu/programs/soil-microbiology](https://swfrec.ifas.ufl.edu/programs/soil-microbiology))

#### **Collaborators**

- Dr. Allan Bacon ([allan.bacon@ufl.edu](mailto:allan.bacon@ufl.edu); advising on the physical aspects of Soil Health)
- Dr. Matthew Gitzendanner ([magitz@ufl.edu](mailto:magitz@ufl.edu); genetics, genomics, AI, programming)
- Dr. Geraldine Klarenberg ([gklarenberg@ufl.edu](mailto:gklarenberg@ufl.edu); forestry, hydrology; Lecturer Quantitative Data Science)
- Dr. Alexander J. Reisinger ([reisingera@ufl.edu](mailto:reisingera@ufl.edu); urban watershed and ecosystem dynamics focused on soil and water quality; State Extension Specialist for urban soil and water quality)