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NEUROSCIENTIST NANDINA
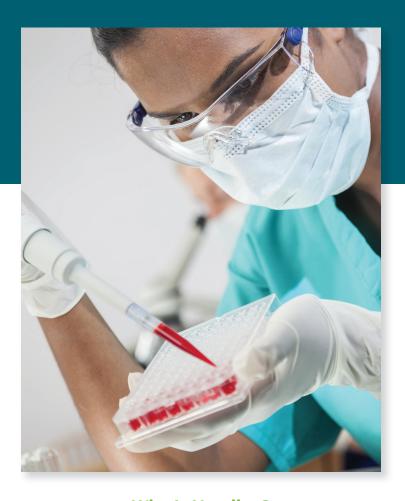
SPARC-funded researcher

Nandina and her team were awarded a SPARC grant. They anticipate collaborating with other foundations and academic labs. She hopes the publication of her team's datasets along with the ability for users to perform cross-data comparisons with rich maps will help crack the code needed to speed new diabetes treatments.

GOALS

- Share insights into the neural control of specific organ functions, by creating anatomical visualizations in 3D
- Attract new industry and academic partners, inspired by our research
- See the impact of my research, as well as other success stories

FRUSTRATIONS

- Scientists don't have enough guidance on the current site to take our powerful data to the next level

- I want tools so interested industry partners can easily collaborate with my team

- Search function is confusing

Who Is Nandina?

- **Age: 48**
- **Family: Married with three children**
- **Work: Pathology Principal Investigator and Director of 100+ Investigators**
- **Education: Ph.D. Physiological Sciences, College of Veterinary Medicine, UF; D.V.M. Honors; B.S. Chemistry**
- **Character: Inspiring leader who mentors staff and students; curious and innovative**
- **Technology: Intermediate Internet user**
- **Hobby: Cooking; spending time with family**

"Diabetes runs in my family, and it's been my lifelong goal to lead innovative research to eradicate organ diseases. My team has been mapping pancreatic neural networks, with high resolution 3D microscopy. We work with specimens from human organ donors with and without diabetes, as well as rodents.

We hope data outcomes will provide critical design data which can be applied to next-generation neuromodulation technologies to improve islet health."

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