

[Ruogu Fang](#)

Associate Professor/Associate Director at University of Florida

Gainesville, FL, US

Ruogu Fang works on artificial intelligence-empowered precision brain health and brain/bio-inspired AI.

Biography

Ruogu Fang is a tenured associate professor and Pruitt Family Endowed Faculty Fellow in the J. Crayton Pruitt Family Department of Biomedical Engineering. Her research revolves around the integration of artificial intelligence (AI) and deep learning with the intricacies of the human brain. Her research encompasses two principal themes: AI-empowered precision brain health and brain/bio-inspired AI. Her work involves addressing compelling questions, such as using machine learning techniques to quantify brain dynamics, facilitating early Alzheimer's disease diagnosis through novel imagery, predicting personalized treatment outcomes, designing precision interventions, and leveraging principles from neuroscience to develop the next generation of AI. Fang's current research is also rooted in the confluence of AI and multimodal medical image analysis. At the heart of her work is the Smart Medical Informatics Learning and Evaluation (SMILE) lab, where she is tirelessly dedicated to the creation of groundbreaking brain and neuroscience-inspired medical AI and deep learning models. The primary objective of these models is to comprehend, diagnose, and treat brain disorders, all while navigating the complexities of extensive and intricate datasets.

Areas of Expertise

Brain Informatics, Neuroimaging, Precision Intervention, Deep Learning, Medical Image Analysis, Artificial Intelligence, Big Medical Data, Neurodegenerative Disease Diagnosis, Machine Learning, Big Data Analytics

[Please click here to view the full profile.](#)

This profile was created by [Expertfile](#).