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Ph.D., Rice University
Novel strategies to diagnose and treat degenerative joint diseases

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Bioinstrumentation, biosignal processing and BME senior design laboratories

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Professor
Ph.D., University of Florida
Dosimetry, computational medical physics and dose assessment

Mingzhou Ding
Distinguished Professor & J. Crayton Pruitt Family Professor
Ph.D., University of Maryland
Cognitive neuroscience, signal processing and neural imaging

Jon Dobson
J. Crayton Pruitt Family Professor
Ph.D., Swiss Federal Institute of Technology, ETH-Zurich
Magnetic micro- and nanoparticle-based biomedical applications

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Assistant Professor
Ph.D., Cornell University
Big data analytics, brain informatics and medical image analysis

Daniel Ferris
Robert W. Adenbaum Professor & Senior Associate Chair
Ph.D., University of California, Berkeley
Biomechanics, neuromechanical control, locomotion and prosthetics

Aysegul Gunduz
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Ph.D., University of Florida
Human neuroscience, neuromodulation, neuroprostheses and neurorehabilitation

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Ph.D., University of Wisconsin
Peptide-based nanomaterials and immune therapies

Benjamin G. Keselowsky
Professor
Ph.D., Georgia Institute of Technology
Biomaterials and controlled release systems for vaccines, immunotherapies and implants

Peter S. McFetridge
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Ph.D., University of Bath
Naturally inspired biomaterials for biologically functional implants and organ regeneration

Walter Lee Murfee
Associate Professor
Ph.D., University of Virginia
Cell dynamics, microcirculation, angiogenesis, lymphangiogenesis and neurogenesis

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Ph.D., Northwestern University
Biomechanics, musculoskeletal modeling, predictive simulation and medical imaging

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Associate Professor & Director, BME Graduate Student Diversity & Professional Development
Ph.D., University of British Columbia
Neural/stem cell engineering, neurogenesis and neuroinflammation

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Neural engineering, device-tissue interfaces and neurostimulation

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Assistant Professor
Ph.D., Georgia Institute of Technology
Cell and tissue regeneration, islet biology, diabetes and autoimmune

Parisa Rashidi
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Biomedical data science, pervasive health and clinical informatics

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Nanomedicine and magnetic nanoparticles

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Ph.D., Clemson University
Cell and tissue engineering, engineering education research and online engineering education

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Biomaterials for neural tissue regeneration and neural interfacing

Blanka Sharma
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Ph.D., Johns Hopkins University
Nanomedicine, stem cells, biomaterials, tissue engineering and targeted drug/gene delivery

Cherie Stabler
Associate Professor & Associate Chair for Graduate Studies
Ph.D., Georgia Institute of Technology
Biomaterials, controlled release, regenerative medicine and diabetes

Hans van Oostrom
Associate Professor & Director, Institute for Excellence in Engineering Education
Ph.D., Eindhoven University of Technology
Engineering education

Lin Yang
Associate Professor
Ph.D., Rutgers University
Imaging informatics, biomedical image analysis, machine learning, computer vision and computer-aided diagnosis
UF BME research has driven the clinical translation of technologies that improve thousands of lives globally.

UF BME is one of only a few departments in the nation to be co-localized with a top-ranked medical school, veterinary school and dental school.

UF BME is housed in a state-of-the-art building located next to the Health Science Center, hospital complex and steps from engineering.

UF BME partners with many local research centers and institutes including the McKnight Brain Institute, the Clinical and Translational Science Institute, the National Magnetic Field Laboratory and the Malcolm Randall VA Medical Center.

UF BME has access to outstanding resources for entrepreneurship and commercialization, including Florida’s 40-acre Innovation Square and the internationally ranked Sid Martin Biotechnology Incubator.