**UF | Biomedical Engineering Primary Faculty**

**Kyle D. Allen**  
Associate Professor, Associate Chair for Undergraduate Studies & J. Crayton Pruitt Family Term Fellow  
Ph.D., Rice University  
Novel strategies to diagnose and treat degenerative joint diseases

**Stephen H. Arce**  
Lecturer  
Ph.D., University of Florida  
Bioinstrumentation and biodesign

**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

**Wesley E. Boich**  
Professor  
Ph.D., University of Florida  
Dosimetry, computational medical physics and dose assessment

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

**Peter S. McFetridge**  
Associate Professor, Integra LifeSciences Term Professor & Graduate Coordinator  
Ph.D., University of Both  
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

**Jennifer A. Nichols**  
Assistant Professor  
Ph.D., Northwestern University  
Biomechanics, musculoskeletal modeling, predictive simulation and medical imaging

**Kevin J. Otto**  
Professor  
Ph.D., Arizona State University  
Neural engineering, device-tissue interfaces and neurostimulation

**Edward Phelps**  
Assistant Professor  
Ph.D., Georgia Institute of Technology  
Cell and tissue regeneration, islet biology, diabetes and immunengineering

**Parisa Rashidi**  
Assistant Professor  
Ph.D., Washington State University  
Biomedical data science, machine learning, pervasive health and clinical informatics

**Aysegul Gunduz**  
Associate Professor & J. Crayton Pruitt Family Term Fellow  
Ph.D., University of Florida  
Human brain mapping, neuromodulation and neural interfacing

**Gregory A. Hudalla**  
Assistant Professor & J. Crayton Pruitt Family Term Fellow  
Ph.D., University of Wisconsin  
Molecular engineering for immunotherapies and immune modulation

**Sarah Rowlinson**  
Lecturer & Undergraduate Coordinator  
Ph.D., Clemson University  
BME cellular engineering laboratory and engineering education research

**Christopher E. Schmidt**  
Professor, J. Crayton Pruitt Family Chair & Department Chair  
Ph.D., University of Illinois  
Biomaterials for neural tissue regeneration and neural interfacing

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

**Cherie Stabler**  
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

**Lakiesha N. Williams**  
Associate Professor  
Ph.D., Mississippi State University  
Traumatic brain injury, soft tissue mechanics, bio-inspired design and materials characterization

**Lin Yang**  
Associate Professor  
Ph.D., Rutgers University  
Imaging informatics, biomedical image analysis, machine learning, computer vision and computer-aided diagnosis

**UF BME Collaborative Community:**

- **Primary Faculty:** 24
- **Affiliate Faculty:** 40+
- **Centers & Institutes:** 30+
- **Colleges:** 16
- **Hospitals:** 5

**Engineers for Life.**
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.