Kyle D. Allen
Assistant Professor &
Associate Chair for
Undergraduate Studies
Ph.D., Rice University
Novel strategies to diagnose and
treat degenerative joint diseases

Stephen H. Arce
Lecturer & ABET Coordinator
Ph.D., University of Florida
Bioinstrumentation, biodesign and
BME senior design laboratories

Wesley E. Bolch
Professor & Associate Dean
for Academic Affairs
Ph.D., University of Florida
Dosimetry, computational medical
physics and dose assessment

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

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

Daniel Ferris (Summer 2017)
Professor & Robert W. Adenbaum Professorship
Ph.D., University of California, Berkeley
Biomechanics, neuromechanical
control, locomotion and prosthetics

David R. Gilland
Associate Professor &
Undergraduate Coordinator
Ph.D., University of North Carolina
Molecular imaging, instrumentation
and algorithm development using
PET and SPECT

Aysegul Gunduz
Assistant Professor
Ph.D., University of Florida
Human brain mapping and
neurological disorders

Gregory A. Hudalla
Assistant Professor
Ph.D., University of Wisconsin
Nanomaterials engineered to
direct immune responses for
disease prophylaxis, implants and immunotherapies

Huabei Jiang
Professor
Ph.D., Dartmouth College
Optical, fluorescence and
photoacoustic tomography and microscopy

Benjamin G. Keselowsky
Associate Professor &
UFRR Professorship
Ph.D., Georgia Institute of
Technology
Biomaterials, controlled release
and immunotherapies

Peter S. McFetridge
Associate Professor &
Tim Brahm Term Professorship
Ph.D., University of Bath
Naturally inspired biomaterials for implants and regeneration

Brandi K. Ormerod
Associate Professor & Director,
BME Graduate Student Diversity &
Professional Development
Ph.D., University of British Columbia
Engineered stem cell and
immunomodulatory strategies for
brain repair and aging studies

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

Edward Phelps (Spring 2017)
Assistant Professor
Ph.D., Georgia Institute of
Technology
Biomaterials, regenerative medicine, immunomengineering and diabetes

Carlos Rinaldi
Charles A. Stokes Term Professor &
Senior Associate Chair
Ph.D., Massachusetts Institute of
Technology
Nanomedicine, transport phenomena, cancer nanotechnology and magnetic
nanoparticles

Christine E. Schmidt
Pruitt Family Professor &
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
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
Human physiologic simulation
and education

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:
- 22 Core Faculty
- 70+ Affiliate Faculty
- 30+ Departments, Centers & Institutes
- 7 Colleges
- 3 Hospitals
The Department of Biomedical Engineering at the University of Florida is made possible by the vision and generosity of Dr. J. Crayton Pruitt and his family. Since its inception in 2002, the department continues to excel in interdisciplinary research that merges engineering with biology and medicine. The department offers both a graduate program and an undergraduate program with particular strengths in:

- Neural Engineering
- Imaging & Medical Physics
- Biomaterials & Regenerative Medicine
- Biomedical Data Science

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.