UF | Biomedical Engineering Primary Faculty

Kyle D. Allen
Assistant Professor & Associate Chair for Undergraduate Studies
Ph.D., Rice University

Novel strategies to diagnose and treat degenerative joint diseases

Gregory A. Hudalla
Assistant Professor
Ph.D., University of Wisconsin

Nanomaterials engineered to direct immune responses for disease prophylaxis, implants and immunotherapies

Carlos Rinaldi
Charles A. Stokes Term Professor & Senior Associate Chair
Ph.D., Massachusetts Institute of Technology

Nanomedicine, transport phenomena, cancer nanotechnology and magnetic nanoparticles

Stephen H. Arce
Lecturer & ABET Coordinator
Ph.D., University of Florida

Bioinstrumentation, biodesign and BME senior design laboratories

Huabei Jiang
Professor
Ph.D., Dartmouth College

Optical, fluorescence and photoacoustic tomography and microscopy

Christine E. Schmidt
Pruitt Family Professor & Department Chair
Ph.D., University of Illinois

Biomaterials for neural tissue regeneration and neural interfacing

Wesley E. Bolch
Professor & Associate Dean for Academic Affairs
Ph.D., University of Florida

Dosimetry, computational medical physics and dose assessment

Benjamin G. Keselowsky
Associate Professor & UFRF Professorship
Ph.D., Georgia Institute of Technology

Biomaterials, controlled release and immunotherapies

Blanka Sharma
Assistant Professor
Ph.D., Johns Hopkins University

Nanomedicine, stem cells, biomaterials, tissue engineering and targeted drug/gene delivery

Mingzhou Ding
Pruitt Family Professor
Ph.D., University of Maryland

Cognitive neuroscience, signal processing and neural imaging

Peter S. McFetridge
Associate Professor & Tim Brahm Term Professorship
Ph.D., University of Bath

Naturally inspired biomaterials for implants and regeneration

Cherie Stabler
Associate Professor & Associate Chair for Graduate Studies
Ph.D., Georgia Institute of Technology

Biomaterials, controlled release, regenerative medicine and diabetes

Jon Dobson
Professor
Ph.D., Swiss Federal Institute of Technology, ETH-Zurich

Magnetic micro- and nanoparticle-based biomedical applications

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

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

Human physiologic simulation and education

Daniel Ferris *(Summer 2017)*
Professor & Robert W. Adenbaum Professorship
Ph.D., University of California, Berkeley

Biomechanics, neuromechanical control, locomotion and prosthetics

Kevin J. Otto
Associate Professor
Ph.D., Arizona State University

Neural engineering, device-tissue interfaces and neurostimulation

Lin Yang
Associate Professor
Ph.D., Rutgers University

Imaging informatics, biomedical image analysis, machine learning, computer vision and computer aided diagnosis

David R. Gilland
Associate Professor & Undergraduate Coordinator
Ph.D., University of North Carolina

Molecular imaging, instrumentation and algorithm development using PET and SPECT

Edward Phelps *(Spring 2017)*
Assistant Professor
Ph.D., Georgia Institute of Technology

Biomaterials, regenerative medicine, immunoengineering and diabetes

Aysegul Gunduz
Assistant Professor
Ph.D., University of Florida

Human brain mapping and neurological disorders

Parisa Rashidi
Assistant Professor
Ph.D., Washington State University

Machine learning, data mining, big data, biomedical/health informatics and gerontechnology

UF BME Collaborative Community:

- 22 Core Faculty
- 70+ Affiliate Faculty
- 30+ Departments, Centers & Institutes
- 7 Colleges
- 3 Hospitals

ENGINEERS *for* LIFE.

J. Crayton Pruitt Family
Department of Biomedical Engineering

EXCELLENCE IN
BIOMEDICAL ENGINEERING EDUCATION & RESEARCH TO IMPROVE HUMAN HEALTH

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

DID YOU KNOW?

- 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.

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