DEPARTMENT OF BIOMEDICAL ENGINEERING

http://engineering.tamu.edu/biomedical

Head: M. McShane
Graduate Advisor: R. Kaunas

Committed to solving the world’s greatest health problems through the exploration of new ideas, integrated research and innovation, the Department of Biomedical Engineering at Texas A&M University is producing the next generation of biomedical engineers in industry and at tier-one research institutions, developing new technologies and new jobs, and achieving revolutionary advancements for the future of health care.

Graduate students participate in ground-breaking research in biomedical imaging technologies, medical devices, sensing and monitoring systems and regenerative medicine. These concepts are applied and studied at the whole-body, tissue, cellular and molecular levels.

The department offers Doctor of Philosophy, Master of Science, Master of Engineering, and Master of Engineering/Master of Business Administration (in conjunction with the Mays Business School) programs. For more information, including degree requirements and application deadlines, visit http://engineering.tamu.edu/biomedical.

Faculty

Alge, Daniel L, Assistant Professor
Biomedical Engineering
PHD, Purdue University, 2010

Applegate, Brian E, Associate Professor
Biomedical Engineering
PHD, Ohio State University, 2000

Bishop, Corey J, Assistant Professor
Biomedical Engineering
PHD, The Johns Hopkins University School of Medicine, 2015

Biswas, Saurabh, Associate Professor of the Practice
Biomedical Engineering
PHD, Texas A&M University, 2011

Bukkapatnam, Satish T, Professor
Biomedical Engineering
PHD, Pennsylvania State University, 1997

Clubb Jr, Fred J, Professor
Biomedical Engineering
PHD, University of Alabama - Birmingham, 1983
DVM, Auburn University, 1971

Cosgriff-Hernandez, Elizabeth M, Associate Professor
Biomedical Engineering
PHD, Case Western Reserve University, 2005

Cote, Gerard L, Professor
Biomedical Engineering
PHD, University of Connecticut, 1990

Criscione, John C, Professor
Biomedical Engineering
PHD, The John Hopkins University School of Medicine, 2005

Fink, Rainer J, Associate Professor
Biomedical Engineering
PHD, Texas A&M University, 1995

Freed, Alan D, Professor
Biomedical Engineering
DEN, University of Wisconsin - Madison, 1985

Gaharwar, Akhilesh K, Assistant Professor
Biomedical Engineering
PHD, Purdue University, 2011

Gibbs, Holly C, Lecturer
Biomedical Engineering
PHD, Texas A&M University, 2015

Gonezen, Sevan, Assistant Professor
Biomedical Engineering
PHD, Rensselaer Polytechnic Institute, 2011

Gregory, Carl A, Assistant Professor
Biomedical Engineering
PHD, University of Manchester, 1999

Grunlan, Melissa A, Professor
Biomedical Engineering
PHD, University of South Carolina, 2004

Guiseppi Elie, Anthony, Professor
Biomedical Engineering
PHD, Massachusetts Institute of Technology, 1983

Han, Arum, Professor
Biomedical Engineering
PHD, Georgia Institute of Technology, 2005

Hogan, Harry A, Associate Professor
Biomedical Engineering
PHD, Texas A&M University, 1984

Huang, Shuning, Lecturer
Biomedical Engineering
PHD, Massachusetts Institute of Technology, 2009

Hwang, Wonmuk, Associate Professor
Biomedical Engineering
PHD, Boston University, 2001

Jafari, Roozbeh, Associate Professor
Biomedical Engineering
PHD, University of California, 2006

Jain, Abhishek, Assistant Professor
Biomedical Engineering
PHD, Boston University, 2012

Jayaraman, Arul, Professor
Biomedical Engineering
PHD, University of California, Irvine, 1998
Jo, Javier A, Associate Professor  
Biomedical Engineering  
PHD, University of Southern California, 2002

Kaunas, Roland R, Associate Professor  
Biomedical Engineering  
PHD, University of California, San Diego, 2003

Keller, Brandis K, Lecturer  
Biomedical Engineering  
PHD, Politecnico di Milano, 2013

Lawley, Mark A, Professor  
Biomedical Engineering  
PHD, University of Illinois at Urbana-Champaign, 1995

Mabbott, Samuel, Assistant Professor  
Biomedical Engineering  
PHD, University of Manchester, Manchester Interdisciplinary Biocentre, 2012

Maitland IV, Duncan J, Professor  
Biomedical Engineering  
PHD, Northwestern University, 1995

Maitland, Kristen D, Associate Professor  
Biomedical Engineering  
PHD, University of Texas, 2006

McDougall, Mary P, Associate Professor  
Biomedical Engineering  
PHD, Texas A&M University, 2004

McShane II, Michael J, Professor  
Biomedical Engineering  
PHD, Texas A&M University, 1999

Moreno, Michael R, Assistant Professor  
Biomedical Engineering  
PHD, Texas A&M University, 2009

Ober, Raimund J, Professor  
Biomedical Engineering  
PHD, University of Cambridge, 1988  
PHD, Cambridge University, 1987

Peak, Charles W, Instructional Assistant Professor  
Biomedical Engineering  
PHD, Texas A&M University, 2018

Peterson, Donald, Professor  
Biomedical Engineering  
PHD, University of Connecticut, 1999

Quick, Christopher M, Associate Professor  
Biomedical Engineering  
PHD, Rutgers University, 1999

Rajagopal, Kumbakonam, Professor  
Biomedical Engineering  
PHD, University of Minnesota, 1978

Stoica, Gheorghe, Professor  
Biomedical Engineering  
PHD, Michigan State University, 1984  
DVM, Institute of Agronomy, Yassy, Romania, 1966

Tian, Limei, Assistant Professor  
Biomedical Engineering  
PHD, Washington University in St. Louis, 2014

Trache, Andreea, Associate Professor  
Biomedical Engineering  
PHD, Institute of Atomic Physics, Romania, 1996

Ugaz, Victor M, Professor  
Biomedical Engineering  
PHD, Northwestern University, 1999

Wilson, Emily, Professor  
Biomedical Engineering  
PHD, Emory University, 1987

Wright, Steven M, Professor  
Biomedical Engineering  
PHD, University of Illinois, 1984

Yakovlev, Vladislav V, Professor  
Biomedical Engineering  
PHD, Moscow State University, 1990

Yeh, Alvin T, Associate Professor  
Biomedical Engineering  
PHD, University of California, Berkeley, 2000

**Masters**

- Master of Engineering in Biomedical Engineering (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/biomedical/meng)
- Master of Science in Biomedical Engineering (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/biomedical/ms)

**Doctoral**

- Doctor of Philosophy in Biomedical Engineering (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/biomedical/phd)

**Certificates**

- Quality Engineering for Regulated Medical Technologies Certificate