

BIOMEDICAL ENGINEERING

Biomedical engineering (BME) is the application of engineering tools for solving problems in biology and medicine. It is an engineering discipline that is practiced by professionals trained primarily as engineers, but with a specialized focus on the medical and biological applications of classical engineering principles. BMEs apply their multidisciplinary expertise to problems such as designing new medical instruments and devices, understanding and repairing the human body, and applying resourceful and cross-disciplinary approaches to age-old problems in the fields of medicine, biology, and beyond. A biomedical engineer can expect to work in a wide variety of multidisciplinary teams with professionals such as physicians, biologists, researchers, nurses, therapists, mathematicians, administrators, and many others while working in industry, as entrepreneurs, and in the medical profession and academia.

Darilis Suarez-Gonzalez
Aaron Suminski

See also Biomedical Engineering Faculty Directory (<http://directory.engr.wisc.edu/bme/>).

DEGREES/MAJORS/CERTIFICATES

- Biology in Engineering for Engineering Majors, Certificate (<http://guide.wisc.edu/undergraduate/engineering/biomedical-engineering/biology-engineering-engineering-majors-certificate/>)
- Biomedical Engineering, B.S. (<http://guide.wisc.edu/undergraduate/engineering/biomedical-engineering/biomedical-engineering-bs/>)

PEOPLE

FACULTY

Paul Campagnola (Chair)
Randolph Ashton
David Beebe
Walter Block
Christopher Brace
Kevin Eliceiri
Shaoqin 'Sarah' Gong
Aviad Hai
Melissa Kinney
Pamela Kreeger
Wan-ju Li
Kip Ludwig
Kristyn Masters
Megan McClean
Beth Meyerand
William Murphy
Krishanu Saha
Melissa Skala
Darryl Thelen
Justin Williams
Colleen Witzenburg
Filiz Yesilkoy

INSTRUCTIONAL STAFF AND TEACHING FACULTY

Amit Nimunkar
John Puccinelli
Tracy Jane Puccinelli