

BIOLOGICAL ENGINEERING PH.D. AT CU BOULDER

ADVANCING HUMAN NEEDS BY ENGINEERING BIOMOLECULES AND BIOLOGICAL SYSTEMS

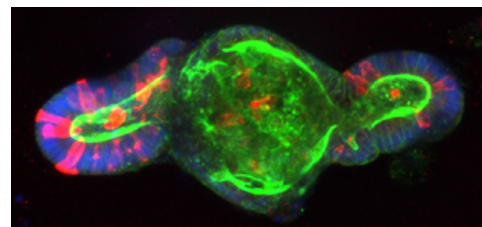
World-class education

- » Established, world-class faculty performing innovative research in tissue engineering, biomaterials and advanced manufacturing
- » Develop life-saving vaccines
- » Create biomaterial scaffolds with controlled architectures and chemistries
- » Revolutionize antibiotic development
- » Develop new tools for studying cell behavior
- » Manipulate biosynthetic pathways to make drugs and fuels
- » Model dynamics of biomolecular interactions

Innovative coursework

- » Core and elective courses dedicated to principles of engineering biomolecules, cells, tissues and systems
- » Learn how biological components interact on many size scales
- » Understand the interplay of different interactions, networks and systems
- » Create concrete models from complex data
- » Integrate basic science and computation with engineering

Learn more at colorado.edu/chbe/prospective-grad



Biomaterial matrices engineered to direct stem cells into growing intestinal organoids (Image courtesy of the Anseth Group).

Why pursue a PhD in Biological Engineering at CU Boulder?

- » Natural synergies with the BioFrontiers Institute, the Renewable and Sustainable Energy Institute and the Anschutz Medical Campus
- » No interview required to join the program. Application fees waived for GPA > 3.5
- » We encourage applications from all engineering disciplines, physics, mathematics, computer science, molecular and cell biology, biochemistry and chemistry



Chemical and Biological Engineering
UNIVERSITY OF COLORADO BOULDER

colorado.edu/chbe