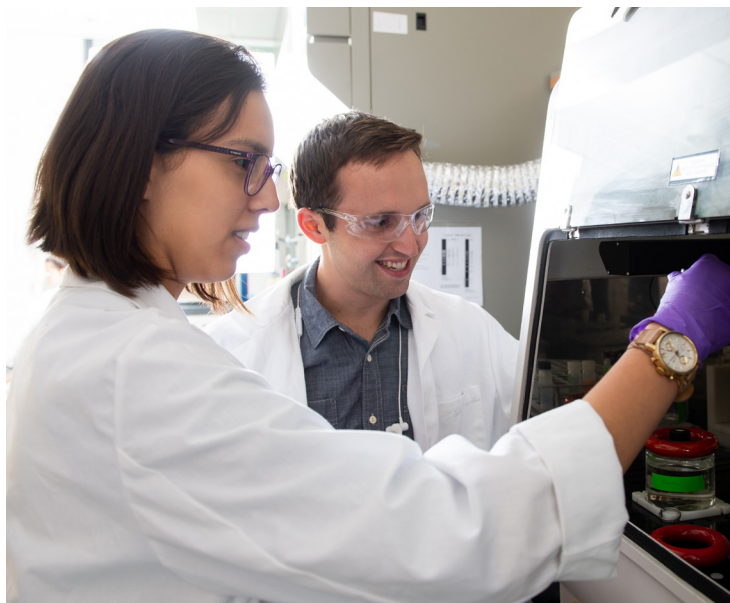


BIOLOGICAL ENGINEERING PH.D. AT THE UNIVERSITY OF COLORADO BOULDER

Advancing human needs by engineering biomolecules and biological systems

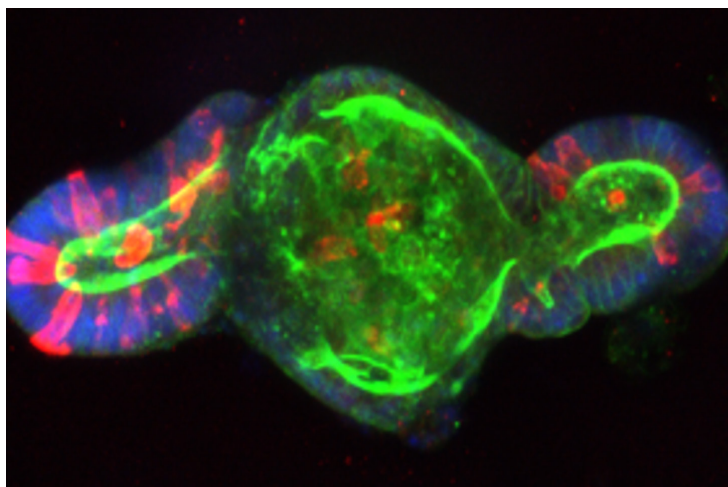


WORLD-CLASS RESEARCH

- 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



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

WHY PURSUE A PH.D. 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
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