



Interdisciplinary Quantitative Biology PhD Program

Diversify your PhD

IQ Biology at the University of Colorado Boulder is designed for students in life sciences, engineering, computer science, or applied mathematics who are interested in working together to solve biological problems without disciplinary boundaries.

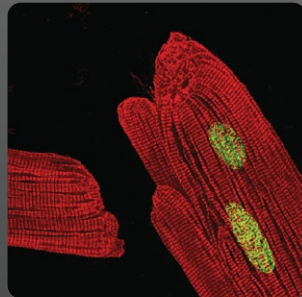
Rotate in world-renowned labs across STEM departments

Applied Math	Envt Studies	MaterialSci Eng
Biochem	Geo Sci	Mech Eng
Biological Eng	Integrative Phys	MolCellDevBio
Biomed Eng	Comp Sci	Physics
Chem Eng	EcoEvoBio	Psych Neuro

Learn cutting-edge quantitative techniques in core curriculum



Bee movement tracking (left) and heart muscle (right), imaged and analyzed by IQ students via microscopy and tools like MATLAB.



Applicants eligible for NSF Traineeship in Integrated Data Science

A fellowship to prepare you as a professional bioscientist, associated with IQ Biology

Producing, modeling, and interpreting big data.

Local research collaborations and outreach.

Professional training and travel support.

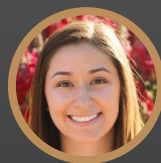
Team-based research.



Join a dynamic community of interdisciplinary faculty and peers



Taisa Kushner IQ alum and Computing Innovation Fellow studying autonomous medical device decision-making for patients.



Kristin Calahan IQ student in Mechanical Eng studying hydrogel friction for biomedical applications.



Manuel Lladser Applied Math faculty studying applied and discrete probability, and their applications to Comp Biology.



Robin Dowell MolCellDevBio and Comp Sci faculty using experiments and computation to discover mechanistic principles of transcription.

Where are IQ Biology Alumni now?

Academia 58%

Industry 42%

Apply Now