



UNIVERSITY OF  
DENVER

Division of Natural Sciences & Mathematics  
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## Graduate Opportunities in Biophysics at the University of Denver

Graduate Studies at the University of Denver is recruiting talented, enthusiastic graduate students interested in Biophysics. The University of Denver is committed to the continued expansion of the recent initiative in the Molecular Life Sciences and Biophysics. The University has invested considerable resources in support of this initiative, including the hiring of 6 new Biophysics faculty positions as well as the purchase of dedicated research imaging equipment.



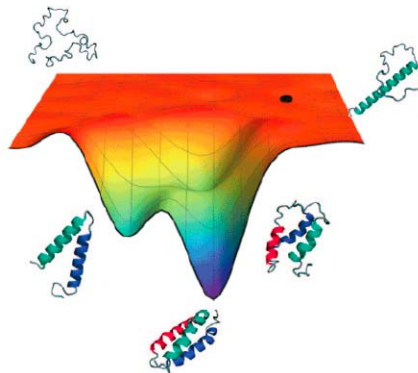
This program offers exciting graduate research opportunities in the area of biophysics with an interdepartmental focus. Participation of faculty from the Departments of Biological Sciences, Chemistry & Biochemistry, and Physics & Astronomy enhances the strength and breath of our program by incorporating cross-disciplinary and collaborative approaches to research.

The university is located in Denver, Colorado next to the beautiful Rocky Mountain Range. Our program offers graduate students an opportunity to learn within a vibrant intellectual community. The size of our departments is an important advantage to our graduate students. We are both large enough to provide cutting edge research facilities and training yet small enough to guarantee close faculty-student interactions. This tight knit culture is one of the major attractions of the graduate programs at the University of Denver.

The Ph.D. and M.S. programs are centered on primary research that coincides with faculty experience and expertise. Areas of research in the Biophysics program include cellular physiology, developmental dynamics, protein folding, protein network analysis, signal transduction cascades, and the development of novel imaging techniques. Financial aid is usually offered in the form of Graduate Teaching or Graduate Research Assistantships, which cover tuition costs and provide a stipend for living expenses.



**University of Denver Faculty with research interests in Biophysics:**



**Joseph Angleson** (Biological Sciences) Cellular physiology and biophysics

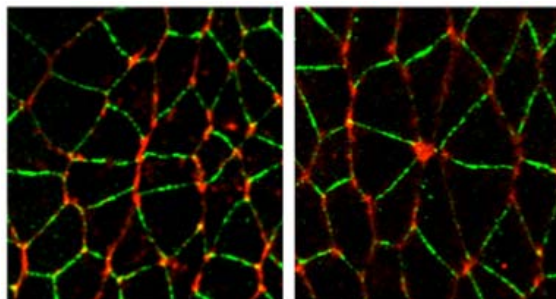
**Scott Barbee** (Biological Sciences) Regulation of mRNP dynamics in neurons in vivo

**J. Todd Blankenship** (Biological Sciences) Dynamic regulation of epithelial tissue architecture

**Gareth R. Eaton** (Chemistry & Biochemistry) Imaging local oxygen concentration in vivo

**Sandra E. Eaton** (Chemistry & Biochemistry) Measurement of distances between paramagnetic centers in proteins

**Kingshuk Ghosh** (Physics & Astronomy) Statistical mechanics of biopolymers, protein folding and aggregation; Modeling fluctuations in biology



**Michelle Knowles** (Chemistry & Biochemistry) Membrane fusion and flow of chemicals across the plasma membrane

**Nancy M. Lorenzon** (Biological Sciences) Calcium channel function and protein interactions involved in muscle and neuronal signaling



**Sheref S. Mansy** (Chemistry & Biochemistry) Lipids as signal transduction agents and constituents of semipermeable compartments

**Martin Margittai** (Chemistry & Biochemistry) Protein folding and misfolding related to neurodegenerative diseases

**Susan Sadler** (Biological Sciences) Molecular events in meiotic cell division, membrane fluidity and membrane domains

**Sean Sheehan** (Physics & Astronomy) Protein aggregation and complex formation; statistical physics and transforms of biological signals; biological networks and complexity

**Judy Snyder** (Biological Sciences) Formation and function of the mitotic spindle during cell division

