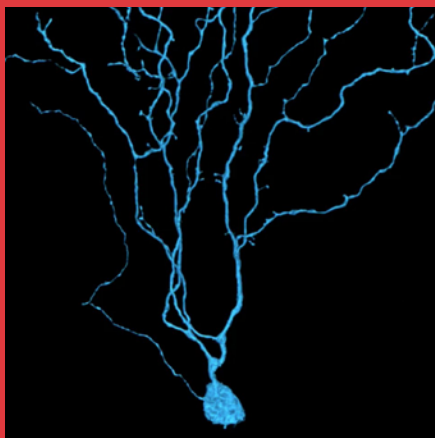


**THE BIOPHYSICS PH.D. PROGRAM AT THE UNIVERSITY OF MARYLAND** brings together faculty members from Biology, Biochemistry, Chemistry, Engineering, Mathematics and Physics to work on questions at the intersection of the physical and life sciences. The Biophysics Graduate Program offers advanced training in theoretical and computational methods as well as cutting-edge experimental techniques to solve some of the most challenging and significant problems in biology, biomedicine and bioengineering.

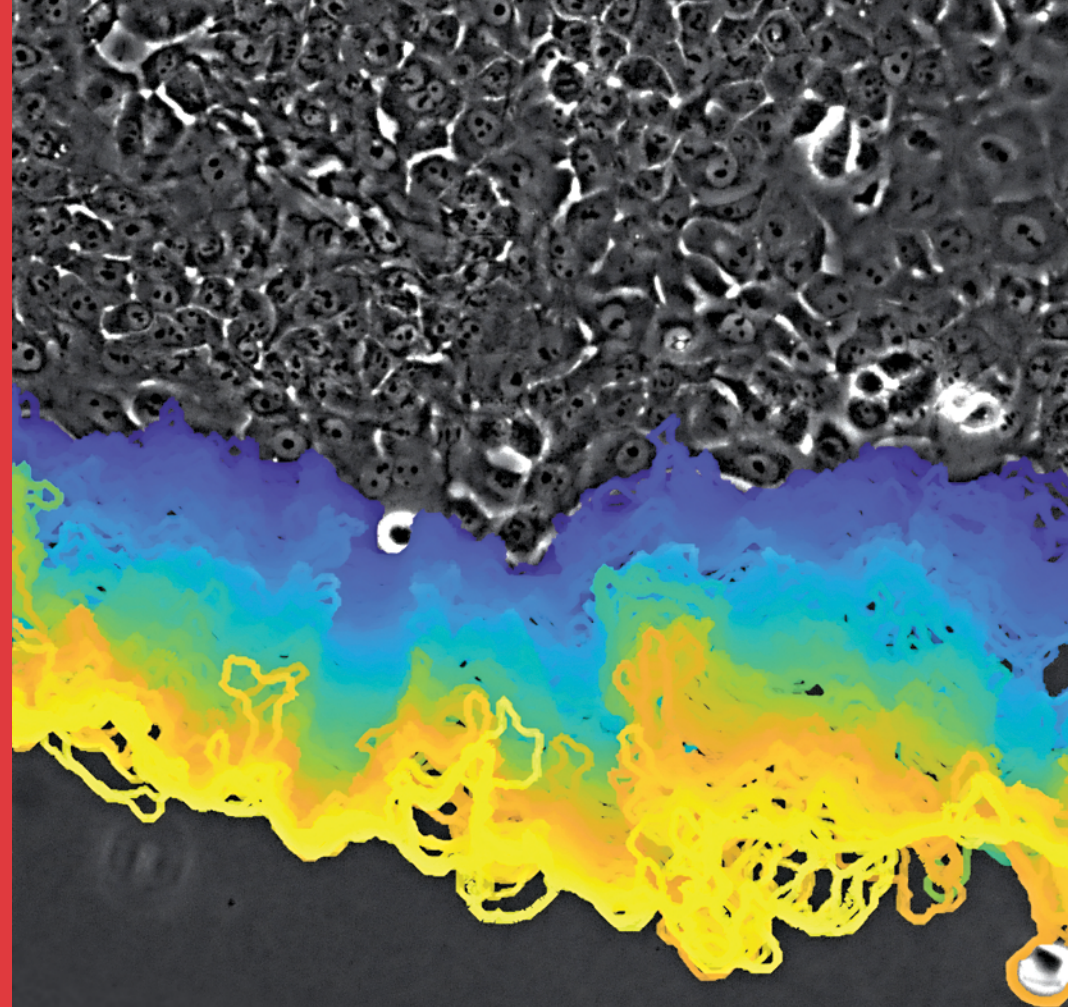
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INSTITUTE FOR  
PHYSICAL SCIENCE  
& TECHNOLOGY  
BIOPHYSICS PROGRAM



# BIOPHYSICS PH.D. PROGRAM



UNIVERSITY OF  
MARYLAND

# Why Choose Biophysics at Maryland?

## LOCAL COLLABORATIONS

With our proximity to nationally and internationally renowned institutions and laboratories—including NIH, NCI, NIST and the FDA—collaboration in research projects with a real-world impact is literally around the corner.

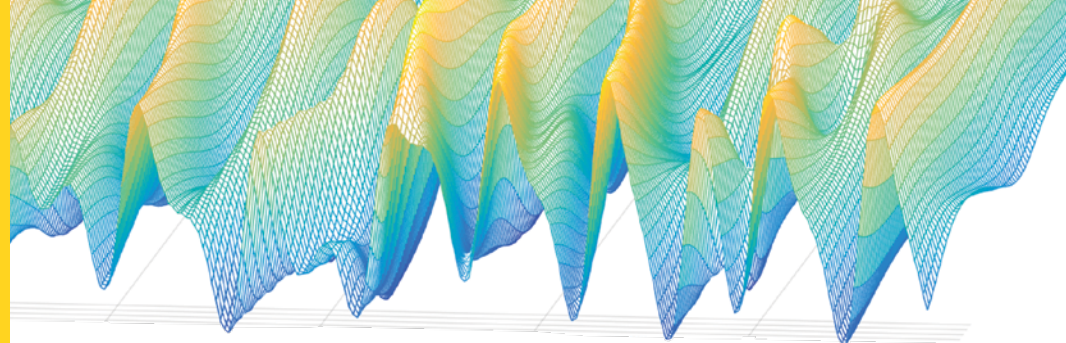
## CLOSE-KNIT PROGRAM

Eight to 10 Biophysics Ph.D. students join the program each year, forming a tight-knit community with the Chemical Physics Ph.D. students who are also members of the renowned Institute of Physical Sciences and Technology at UMD.

## EXCITING PLACE TO LIVE

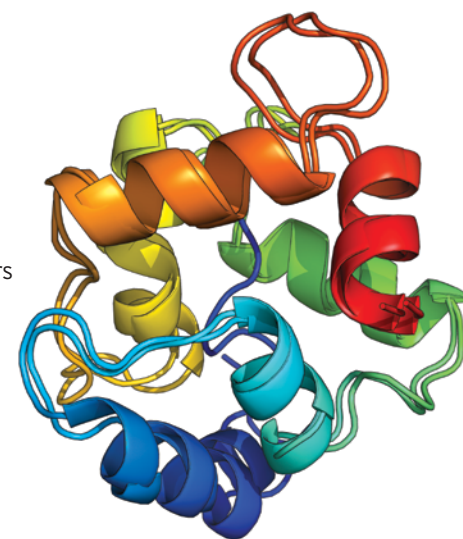
The Washington, D.C. area is an exciting place to live with easy access to museums downtown, the National Zoo, extensive interconnected bike/walking paths, local hiking trails (river, forest, lakes), and a variety of cultural activities and food.

We welcome students with any background in science or engineering who have a desire to work at the interface of several disciplines. We tailor the curriculum to suit the needs of the individual student.



## Research Areas

- Computational Biology and Complex Networks
- Molecular Simulations
- Cell Mechanics and Motility
- Biological Machines and Molecular Motors
- Protein and RNA Folding
- Experimental and Computational Neuroscience
- Membrane Biophysics
- Machine Learning in Biology
- Statistical Thermodynamics
- Mechanobiology
- Cellular Dynamics in Immune Signaling and Cancer



## Our Students

- Obtain prestigious fellowships from NSF, NIST, NIH
- Have access to state-of-the-art research equipment
- Receive assistantships that include stipend, benefits, and tuition remission
- Access internal fellowship opportunities
- Publish first-author papers in top-tier scientific journals
- Receive travel awards to national conferences
- Find exciting professional positions at national research centers, universities, corporations and nonprofit organizations

