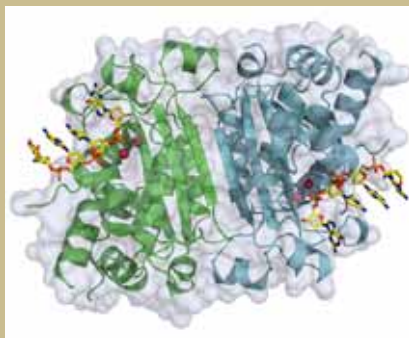
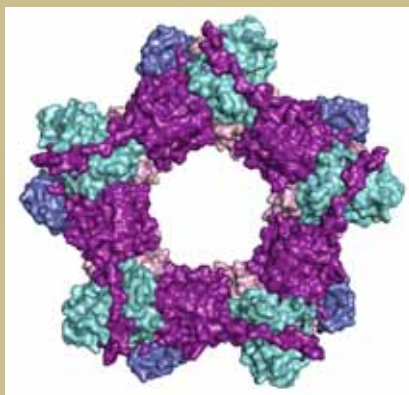


## A sample of work currently being produced in Structural and Computational Biophysics ...



TREX1 exonuclease complexed with ssDNA



Model of human sulfiredoxin bound to the decameric form of human peroxiredoxin 1



Crystal structure of human fatty acid synthase in complex with the anti-cancer compound Orlistat

## Admission Procedures

Students apply first to the degree-granting graduate program in which they are most interested. Participating departments are Biochemistry, Biology, Chemistry, Computer Science, Mathematics and Physics.

Application deadline is January 15th for enrollment the following Fall semester.

Subsequent admission to the SCB Graduate Track is competitive and based on performance during one or more semesters at WFU, along with a letter of intent from the applicant and an appropriate interdisciplinary research plan.

All students admitted to the program are supported by graduate assistantships by the departments they originally matriculate into.

For more information and application materials, please visit the WFU Graduate Track in Structural and Computational Biophysics web site:

[www.scb.wfu.edu](http://www.scb.wfu.edu)

the Center for Structural Biology web site:

[www.csb.wfu.edu](http://www.csb.wfu.edu)

or the Graduate School web site:

[www.wfu.edu/graduate](http://www.wfu.edu/graduate)

You may also contact us by e-mail at [gradschl@wfu.edu](mailto:gradschl@wfu.edu) or [bggrad@wfubmc.edu](mailto:bggrad@wfubmc.edu)

### The Graduate School of Arts and Sciences

Wake Forest University  
P.O. Box 7487

Winston-Salem, NC 27109  
800.257.3166 or 800.438.4723



WAKE FOREST  
UNIVERSITY

GRADUATE SCHOOL of  
ARTS & SCIENCES

# Interdisciplinary Studies in Structural and Computational Biophysics

WAKE FOREST GRADUATE  
SCHOOL OF ARTS AND SCIENCES



WAKE FOREST  
UNIVERSITY

## The Interdisciplinary Graduate Track in Structural and Computational Biophysics is a unique opportunity.

Our track structure allows you to work on an interdisciplinary research project and earn a certificate in Structural and Computational Biophysics, while you work toward either a PhD degree in physics, chemistry, biology, or biochemistry and molecular biology, or an MS in computer science or mathematics.

Interdisciplinary research projects involve both experimental and computational science, with ongoing projects in:

- Redox proteins, proteomics and redox signaling
- Allosteric and macromolecular interaction
- Nucleic acid modification and repair
- Structure-based drug discovery and cheminformatics
- Computational systems biology

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For more information, please visit [www.scb.wfu.edu](http://www.scb.wfu.edu)

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We offer unique courses providing skills and training in cross-disciplinary project execution and communication.

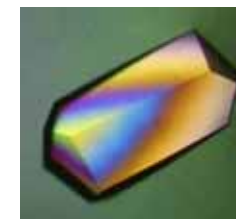
We have internationally known faculty in biochemistry, chemistry, biology, computer science, mathematics and physics.

We provide state-of-the-art facilities in structural biology, computational biophysics and biology, biochemistry, and molecular biology.

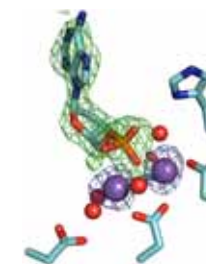
There are opportunities for internships in industry, non-profit laboratories and international universities.



X-ray diffractometer



Crystal of human sulfiredoxin



Trex1-dAMP

If you are seeking the computational and bioscience knowledge and skills that you can apply to a career in:

- pharmaceuticals
- biotechnology
- intellectual property law
- biomedical research or
- academic research

then check out the ...

**Interdisciplinary Track in Structural and Computational Biophysics**