HIGHLIGHTS OF BIOPHYSICS

Great degree for pre-meds.

Applied quantitative program for life sciences.

Undergraduate research positions.

Preparation for scientifical, technical and management careers.

Ali Mustafa, BS Biophysics 2013
(now a medical student at
Albert Einstein Medical School,
shown above with Provost Deek, L, and
Prof. Thomas, R)

As a Biophysics student he was awarded a NASA fellowship two years in a row, won the Provost competition for research on two consecutive years and won a TechQuest prize for Biophysics research.

BIOPHYSICS MAJORS' CAREERS

- Bio-tech start-up companies
- Doctors/Dentists/Optometrists
- Research and management in pharmaceutical companies
- Biomedical research
- Research at universities and hospitals

CONTACT INFO

Professor Andrei Sirenko,
Chair sirenko@njit.edu
(973) 596-7878

Professor Gordon Thomas
thomasg@njit.edu

Professor Camelia Prodan
cprodan@njit.edu

Professor Cristiano Dias
cld@njit.edu

NJIT
New Jersey's Science & Technology University

BIOPHYSICS DEGREE PROGRAM

Biophysics research group
summer 2014

http://physics.njit.edu/academics/undergraduate/bs-biophysics.php

College of Science and Liberal Arts

WHY STUDY BIOPHYSICS AT NJIT?

To acquire interdisciplinary skills in Physics, Biology, Chemistry and Mathematics.

To study in small, hands-on classes with research projects and close interaction with professors.

To work with nationally and internationally recognized Professors.

To work during summers and compete for awards/fellowships.

Students developing a method to predict early stroke in a Biophysics class.

COURSE OFFERINGS FOR THE BIOPHYSICS PROGRAM:

Physics of Life

Biophysics I

Biophysics II

Biophotonics

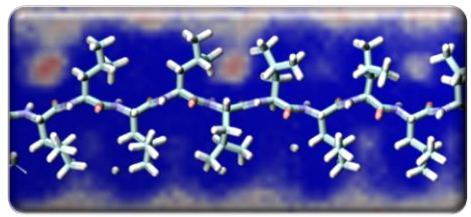
Basic physics, including electricity, magnetism, quantum mechanics and thermodynamics.

Biophysics professors, (from L) Farrow, Thomas, Prodan and Dias.

STUDENT RESEARCH OPPORTUNITIES:

Research labs in biophysics at NJIT are deciphering nature's encrypted laws at the molecular, cellular and macroscopic scales using computational and experimental methods. Students are an integral part of the research done in our labs.

Summer student researcher.



Student's calculation of a protein structure using supercomputers.