

BC3284x: Current Topics in Biochemistry

Instructor:
Mary Sever

Tues./Thurs.
10:10-11:25 am

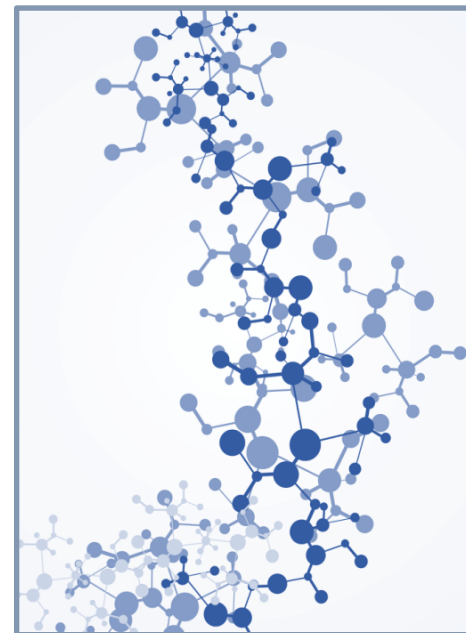
Potential Topics: (open to change)

New challenges in antibiotic design and drug resistance
New frontiers in pharmaceuticals, pro-drugs & biologics
Advanced drug delivery systems
Enzyme and tissue engineering
Gene therapies
Chemistry of neurodegenerative disorders
Non-coding RNA and riboswitches

Biochemical research is a broad field of study that includes research on the chemical, physical, mechanistic, and/or structural basis of chemical processes relating to living organisms, and encompasses the fields of chemical biology, cell biology, nucleic acid biology, neuroscience, structural biology, and biophysics. This course is designed to introduce a variety of current research topics in the field of biochemistry and to develop students' ability to understand and evaluate primary scientific literature.

Repeat offering
Fall 2018

Assessments:
One midterm exam
2-5 article summaries
A literature review paper
A final exam



PREREQUISITES:
CHEM BC3282 Biological Chemistry and
CHEM BC3355 Biochemistry Laboratory Techniques
(or instructor approval)