

Bioscience in the 21st Century

image courtesy of Sabrina Jedlicka, Ph.D., Materials Science and Engineering

BioS 10

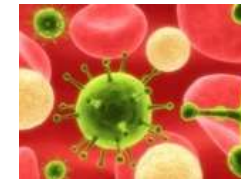
With

BioS 090-011: Biology of Learning and Memory

BioS 090-012: Biodiversity in a Changing Planet



COURSE HIGHLIGHTS AND PROSPECTS



COURSE GOALS AND EXPECTATIONS

Welcome and Introductions

What is this course about?

Course highlights and requirements

Course website: <https://bios10.lehigh.edu/>
(for **lecture videos, PowerPoint slides,**
syllabus, schedule)

Course Site: <http://coursesite.lehigh.edu/>
(for **course assignments, lecture study guides,**
syllabus)

Bioscience PLAYBILL: BioS 10 and BioS 90 Instructors



Vassie Ware

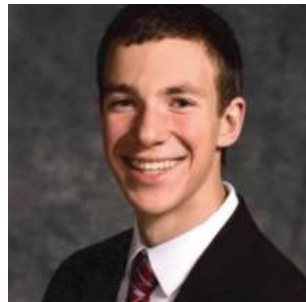


Ann Fink



Santiago Herrera

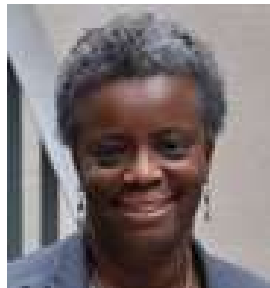
**BioS10 Teaching
Assistant:**



Matthew Mottau

Bioscience PLAYBILL 2019

Cancer



Neuroscience



Microbiology & Infectious Disease



Physiology & Disease Interventions



Others to be
determined



Genomics





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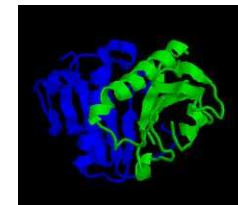
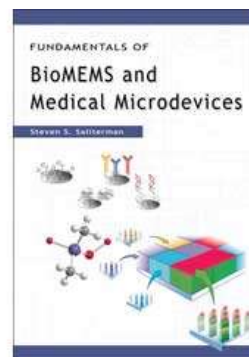
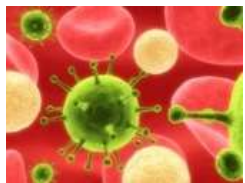
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BioS 10

- What biologically-relevant problems confront society?
- What are the strategies for studying these problems?
- What are the prospects for solutions to these problems?

Topics for consideration:

- **Social/Ethical issues in bioscience**
- Cancer and novel treatment strategies
- Neurophysiological Processes
- Microbiology & Infectious diseases
- Physiological Basis of Disease and Treatment strategies, including Stem cell biology and disease treatment prospects
- Genomics and Bioinformatics



For Course Management Details, see syllabus at:

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<https://bios10.lehigh.edu/>

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