

New course available Spring 2021: BIOC 350/450

The Molecular Basis of Cancer

MWF 10:35 - 11:25 a.m.

3 credits

Prerequisites: BIOC 307 and BIOC 308

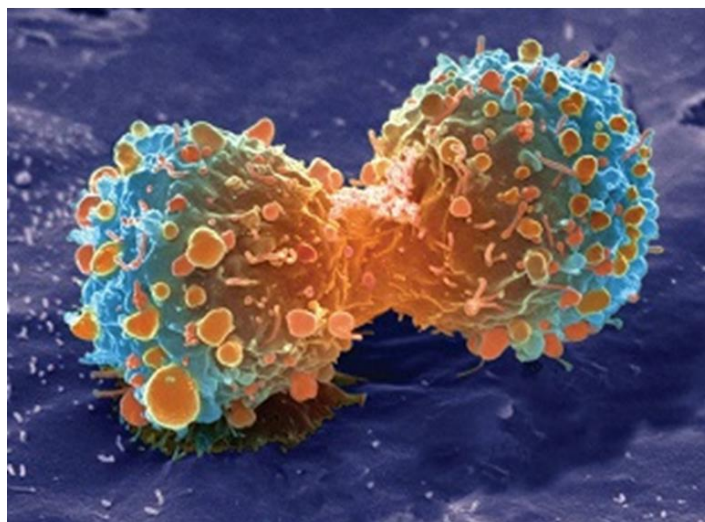
This course will be accepted as a technical elective for the Biochemistry Major

This course will cover:

- The molecular basis of the initiation, progression, and treatment of cancer.
- The dysregulation of normal cellular processes involved in several common types of cancer.
- Techniques used to understand and detect cancer.
- The pharmacology of current cancer therapies.
- Publications from high impact journals that form the basis of our current understanding of cancer.

Instructor: Ryan Arvidson, Ph.D.

Please contact Dr. Arvidson with any question about this course - rsa66@case.edu.



Cell division of cancerous lung cell
(Image from NIH)

Protein Structure is the tyrosine kinase ephrin type-A receptor, critical in breast cancer development
(Kai Xu et al. PNAS 2013)

Chemical structure is Imatinib, a drug specific for chronic myelogenous leukemia (Wikipedia)

