

# BIOF 082: Introduction to Bioinformatics: Theory and Application

Bioinformatics (Computational Biology) is a must skill required in every modern biomedical research lab. Installing and configuring a wide variety of computational biology tools is a cumbersome task that requires software engineering skills.

This workshop provides an introduction to basic concepts in using popular tools and techniques for sequence analysis, structure analysis, function prediction, biological database searching, "omics" data analysis, pathway analysis, data visualization, data curation and integration, and scripting basics.

**Credits:** 4

**Class Type:** Workshop

**Program:** Bioinformatics and Data Science

**Availability** Summer 2021