



# Introduction to Computational Biology & Precision Medicine

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## CMPBIO 175

This survey course introduces computational tools for the analysis of genomic data and approaches to understanding and advancing precision medicine, presented in three two-week modules:

**Module 1** - a hands-on introduction to the Python programming language for data processing and bioinformatics analysis.

**Module 2** - basic principles of human and population genetics as well as recent developments in genomics, epigenomics and other 'omics', including applications of the latest sequencing technology.

**Module 3** - the current role of genomics and environment in precision medicine.

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**CCN: 15130 - 3 units - Summer Session D**

May 22 - June 30

M Tu W Th - 9AM-12PM

Instructor: Lisa F. Barcellos

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