

CB-EL1: Introduction to Molecular Data Science

Person in charge and Representative	DeLuca and Chouvarine
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Semester	1 or 2
Topic cluster	Computational Biology
Duration/Credit	15 Hours
Time	The exact date incl. time will be announced separately
Place	Online. Dial-in data are sent separately
Prerequisite for the lecture/course	No Prerequisites
Aim of the lecture/course	<p>This introductory course aims to provide a foundation of understanding the basic key concepts which are most practically relevant to analyzing molecular data.</p> <p>The goal is to impart an understanding of the key concepts of data analysis, to allow participants to perform, interpret, and think critically about bioinformatic analysis results. Topics include basic statistics (working with p-values), clustering, PCA, machine learning, all in the context of genomics applications including RNA-seq, whole genome sequencing, GWAS and cancer genomics.</p>