COURSE DETAIL

METHODS FOR INVESTIGATING THE RNA STRUCTUROME AND RNA-RNA INTERACTOME

Country
Germany

Host Institution
Free University of Berlin

Program(s)
Humboldt University Berlin,Free University Berlin

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Biological Sciences

UCEAP Course Number
115

UCEAP Course Suffix

UCEAP Official Title
METHODS FOR INVESTIGATING THE RNA STRUCTUROME AND RNA-RNA INTERACTOME

UCEAP Transcript Title
RNA STRUCT&INTERACT

UCEAP Quarter Units
7.00

UCEAP Semester Units
4.70

Course Description

The goal of this inter-disciplinary bioinformatics course, consisting of lectures, exercises, and a seminar, is to introduce students to (1) key theoretical concepts, computational strategies, and algorithms for predicting RNA secondary structures and related features, covering probabilistic and comparative machine learning methods; (2) key experimental concepts for transcriptome-wide RNA structure and RNA-RNA interaction probing; and (3) key research contributions published in recent years.

Language(s) of Instruction
English

Host Institution Course Number
216221a,216221b,216221c

Host Institution Course Title
METHODS FOR INVESTIGATING THE RNA STRUCTUROME AND RNA-RNA INTERACTOME

Host Institution Course Details
https://www.fu-berlin.de/vv/en/lv/742084?id=742084&sm=727423&query=RNA%20struct...

Host Institution Campus

Host Institution Faculty
BIOLOGIE, CHEMIE, PHARMAZIE

Host Institution Degree

Host Institution Department
Biologie

Course Last Reviewed

2022-2023

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