

## 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

[Print](#)