COURSE DETAIL

HIGH THROUGHPUT SEQUENCING AND BIOINFORMATICS APPLIED TO ONCOLOGY

Country
France

Host Institution
University of Bordeaux

Program(s)
University of Bordeaux

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Biological Sciences Bioengineering Biochemistry

UCEAP Course Number
106

UCEAP Course Suffix

UCEAP Official Title
HIGH THROUGHPUT SEQUENCING AND BIOINFORMATICS APPLIED TO ONCOLOGY

UCEAP Transcript Title
HIGH THROUGHPUT SEQ

UCEAP Quarter Units
6.00

UCEAP Semester Units
4.00

Course Description

This course covers the high throughput nucleotide sequencing technologies (ChIP-seq, DNA-seq, RNA-seq, single cell), epigenetics, circulating DNA, and mutational load. Topics also include cancer molecular databases, data extraction and analysis, and an introduction to the use of NGS software and coding.

Language(s) of Instruction
English

Host Institution Course Number

Host Institution Course Title
HIGH THROUGHPUT SEQUENCING AND BIOINFORMATICS APPLIED TO ONCOLOGY

Host Institution Course Details
https://www.u-bordeaux.fr/formation/2021/PRMA_73/biologie-sante/enseignement/FR...

Host Institution Campus
UNIVERSITÉ DE BORDEAUX

Host Institution Faculty

Host Institution Degree

Host Institution Department
Collège Sciences et Technologies

Course Last Reviewed
2021-2022

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