COURSE DETAIL

FUNDAMENTALS OF MOLECULAR BIOLOGY
Country United Kingdom - England
Host Institution University College London
Program(s) University College London
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Biological Sciences
UCEAP Course Number 113
UCEAP Course Suffix A
UCEAP Official Title FUNDAMENTALS OF MOLECULAR BIOLOGY
UCEAP Transcript Title FUND/MOLECULAR BIO
UCEAP Quarter Units 6.00
UCEAP Semester Units

4.00

Course Description

The course explains the basic concepts, techniques, and uses of modern molecular biology techniques. Practical sessions and associated tutorials give hands-on experience of molecular techniques including electrophoresis, sequencing, cloning, and the polymerase chain reaction. The course begins with lectures that introduce molecular biology concepts, or serve as a refresher for students who already have some experience. It then moves into a description of contemporary tools and then applications. Lecturers explain some of the diverse applications of these techniques, with reference to their own research in fields including metagenomics, transcriptomics, proteomics, cell and developmental biology, and forensic anthropology.

Language(s) of Instruction
English

Host Institution Course Number
BIOL0008

Host Institution Course Title
FUNDAMENTALS OF MOLECULAR BIOLOGY

Host Institution Course Details
https://www.ucl.ac.uk/module-catalogue/modules/fundamentals-of-molecular-biolog...

Host Institution Campus
UCL

Host Institution Faculty

Host Institution Degree

Host Institution Department
Biological Sciences

Course Last Reviewed
2023-2024

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