COURSE DETAIL

MOLECULAR CELL BIOLOGY 3
Country United Kingdom - Scotland
Host Institution University of Edinburgh
Program(s) University of Edinburgh
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Biological Sciences
UCEAP Course Number 117
UCEAP Course Suffix
UCEAP Official Title MOLECULAR CELL BIOLOGY 3
UCEAP Transcript Title MOLEC CELL BIO 3
UCEAP Quarter Units 8.00
UCEAP Semester Units 5.30

Course Description

The study of the structure and function of eukaryotic cells at the molecular level has been one of the major growth areas in biology over the past decade. Our understanding of many complex processes such as cell division, differentiation, movement and cell-cell interactions has been greatly extended by use of a combination of biochemical, molecular genetic and immunological methods. This course takes as its starting point the material covered in several of the first-half 3rd year courses and 1st and 2nd year courses, and applies that knowledge to a detailed study of five major topics in molecular cell biology: the cytoskeleton, signal transduction, cell cycle, membrane trafficking and nuclear domains. As the pace of research in these areas is very rapid, the course concentrates on techniques and experimental designs used to dissect and analyze these complex processes, and it looks at current ideas about how they occur. An important element in the course is the opportunity for students to develop the skills of an active learner through taking part in the courses exercises.

Language(s) of Instruction
English

Host Institution Course Number
BILG09001

Host Institution Course Title
MOLECULAR CELL BIOLOGY 3

Host Institution Course Details
https://www.ed.ac.uk/global/study-abroad/course/index.php?submitted=yes&showadv...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Biology

Course Last Reviewed
2021-2022

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