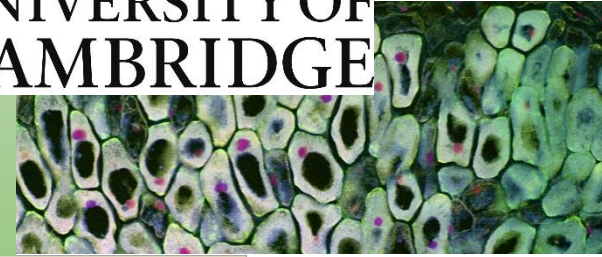


# Cell and Developmental Biology

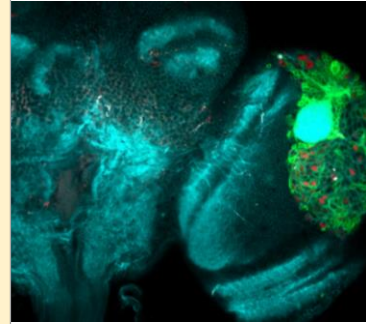


UNIVERSITY OF  
CAMBRIDGE

*Lectures – Tuesday, Thursday and Saturday at 10am*  
*Practicals – Tuesday and Friday*



CDB will introduce you to the major ideas and current experimental approaches to cell and developmental biology, and in the process will illustrate how molecular approaches complement classical cell biology in finding out the details of how cells carry out their basic processes. The course aims to consolidate and extend your basic knowledge of how cells work, interact and differentiate. Cell and developmental biology is a rapidly advancing field, and the course will illustrate the excitement of these advances.



## Examples of Lectures and Practicals from 2021/22

Some alterations in the lecture timetable may be made to improve the course each year. This lecture list is from the current year.

- Molecular Biology of the Cell Nucleus,
- Genetic Systems of Prokaryotes,
- Gene Expression & Cell Decisions,
- Insertional Mutagenesis on *Drosophila*, and Visualisation of Targeted GFP Expression using Fluorescence Microscopy,
- Yeast as a Model Organism,
- Analysis of Yeast Transformation,
- Chloroplasts and Mitochondria,
- Bioinformatics,
- Cytoskeleton & Mitotic Cell Division,
- Membrane Trafficking,
- Intercellular Communication I and II
- Vertebrate Development,
- Second Messenger Systems and Signaling in Real Time,
- Approaches to Critical Review,
- Early Patterning in the *Drosophila* Embryos (I) and (II)



Find out more online:  
[www.biology.cam.ac.uk/undergrads/nst/courses/cdb](http://www.biology.cam.ac.uk/undergrads/nst/courses/cdb)