

Team profile 01

Biochemistry, molecular biology and cell signalling

Biochemistry / Molecular biology / Cell signalling

This area places molecular and cellular mechanisms at the centre of scientific understanding. Biochemistry addresses components and reactions, molecular biology the organisation of biological information, and cell signalling the connections between a stimulus and a response within a cell.

Illustrative research questions

- How can molecular changes be connected to cellular responses?
- How does signalling illuminate interactions between cells and their surroundings?

Possible scientific connections

Molecular perspectives can inform bioactive-substance and environmental-toxicology questions. Bioinformatics can help organise and interpret data.