

# Inflammation and cell migration

## Inflammation and cell migration (10 credits)

The module will emphasise the features of inflammation that are common to "healthy" inflammatory responses and pathological inflammatory conditions of different tissues. As well as providing an overview of cells, cytokines and chemokines that participate in inflammation, the module will present a molecular biological perspective of signal transduction pathways and mechanisms of gene regulation that are commonly deployed in the course of inflammatory responses. A major focus will be the mechanisms that normally contribute to the limitation and/or resolution of inflammation.

The majority of lectures in this module will be delivered by academics who are engaged in cutting edge research around this topic. They will be encouraged to present unpublished and/or controversial data and ideas, so that the students learn about gaps in knowledge, areas of disagreement and future research challenges.

**Module attendance required:** Two weeks of lectures and small group tutorials.

**Module dates:** TBC

### Assessment:

- Examination (75%):  
2 essays (1h exam).
- Coursework (25%):  
Course work will consist of an oral presentation on a specific immune-mediated inflammatory pathology. The length of the presentation will be limited to 25 minutes with 5 minutes for questions.

### Academics involved in the delivery of this module:

**Prof. Andy Clark** ([/staff/profiles/iandi/clark-andy.aspx](http://staff/profiles/iandi/clark-andy.aspx)) (Centre for Translational Inflammation Research), and a number of other researchers from across the College of Medical and Dental Sciences, including **Prof. Chris Buckley** ([/staff/profiles/iandi/buckley-christopher.aspx](http://staff/profiles/iandi/buckley-christopher.aspx)), **Prof. Antal Rot** ([/staff/profiles/iandi/rot-antal.aspx](http://staff/profiles/iandi/rot-antal.aspx)), **Prof. David Adams** ([/staff/profiles/iandi/adams-david.aspx](http://staff/profiles/iandi/adams-david.aspx)), **Dr Helen McGettrick** ([/staff/profiles/iandi/mcgettrick-helen.aspx](http://staff/profiles/iandi/mcgettrick-helen.aspx)), Dr **Andy Filer** ([/staff/profiles/iandi/filer-andrew.aspx](http://staff/profiles/iandi/filer-andrew.aspx)) and **Dr Alice Turner** ([/staff/profiles/cem/CVRS/Turner-Alice.aspx](http://staff/profiles/cem/CVRS/Turner-Alice.aspx)).

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## Course fact file

Type of Course: Module