

## Inflammation MRes

Aimed at science graduates who wish to develop their research skills the aims of the course are two-fold:

- to provide the student with core skills including experiment design, data analysis, and presentation of results
- to have a comprehensive understanding of the current state of inflammation research and the methodology to investigate the processes involved

**[Study here and find out why the University of Birmingham has been awarded The Times and The Sunday Times University of the Year 2013-14 \(http://www.birmingham.ac.uk/news/latest/2013/09/20-sep-Birmingham-announced-as-University-of-the-Year.aspx\)](http://www.birmingham.ac.uk/news/latest/2013/09/20-sep-Birmingham-announced-as-University-of-the-Year.aspx)**

### Course fact file

**Type of Course:** Combined research and taught, taught

**Duration:** 1 year full-time

**Start date:** October 2014

### Related courses

**[Immunology and Immunotherapy MSc \(http://www.birmingham.ac.uk/postgraduate/courses/taught/med/immunology-and-immunotherapy.aspx\)](http://www.birmingham.ac.uk/postgraduate/courses/taught/med/immunology-and-immunotherapy.aspx)**

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**[School of Immunity and Infection \(http://www.birmingham.ac.uk/schools/immunity-infection/index.aspx\)](http://www.birmingham.ac.uk/schools/immunity-infection/index.aspx)**

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### Why study this course

The University of Birmingham has the range of scientists necessary to deliver this course, including immunologists, molecular biologists and endocrinologists.

These researchers cover the major body systems and disease states and will give you a wide choice of potential laboratory projects in addition to excellent lecture and tutorial delivery.

### Modules

- Inflammation Research
- Research Skills
- Research paper analysis

### Fees and funding

#### 2015/16

UK/EU - £4090 (plus bench fee of £4000)

Non UK/EU - £17,365 (plus bench fee of £4000)

### Entry requirements

You should have a 2i or above degree in a biological science subject or equivalent from other countries

#### International students:

Language requirements: IELTS - 7.0 with no less than 6.5 in any band.

### How to apply

When clicking on the Apply Now button you will be directed to an application specifically designed for the programme you wish to apply for where you will create an account with the University application system and submit your application and supporting documents online. Further information regarding how to apply online can be found on the **[How to apply pages \(http://www.birmingham.ac.uk/students/courses/postgraduate/apply-pg/index.aspx\)](http://www.birmingham.ac.uk/students/courses/postgraduate/apply-pg/index.aspx)**

## Related news and events

[Birmingham excels in world rankings \(/news/latest/2014/08/birmingham-excels-in-world-rankings.aspx\)](/news/latest/2014/08/birmingham-excels-in-world-rankings.aspx)

## Learning and teaching

Learning will be delivered in a variety of formats.

The Inflammation Research module will be delivered by recorded lectures on topics in inflammation followed by 2 tutorials per lecture with the presenting lecturer and course organiser.

Research Skills is a continuing module where you receive lectures and demonstrations on state-of-the-art techniques used in inflammation research.

The Research Paper Analysis module involves each student presenting a paper chosen by the module coordinator and read by the group. A discussion, led by the module coordinator, with input from the students, will critically analyse the methodology, results and conclusions of the presented paper.

Two 18 week laboratory projects, chosen by you from an extensive list, provides you with extensive bench experience. You will present data and take part in laboratory meetings in your chosen group to increase your presentation and analysis skills. At the end the first project you will present your findings as a group to project supervisors and the course coordinator. After the second project you will prepare a poster which will be presented to the same group.

## Assessment methods

- Inflammation Research module– multiple choice questions and short answer questions
- Research Skills module– multiple choice questions
- Research Paper Analysis module – presentation of paper and participation in discussion

Laboratory projects will be written up and submitted as a combined thesis (15,000 words). These will be assessed by viva by selected external and internal examiners.

## Related staff

[Dr Graham Wallace \(/staff/profiles/iandi/wallace-graham.aspx\)](/staff/profiles/iandi/wallace-graham.aspx)

## Employability

It is envisaged that students successful on the course will be appropriate for PhD in academia or as a researcher in industry.

[Find out more about what our postgraduate students go on to do. \(/Documents/college-mds/courses/postgraduate/employability-info/employabilityinfo-ii-jan2014.pdf\)](/Documents/college-mds/courses/postgraduate/employability-info/employabilityinfo-ii-jan2014.pdf)

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