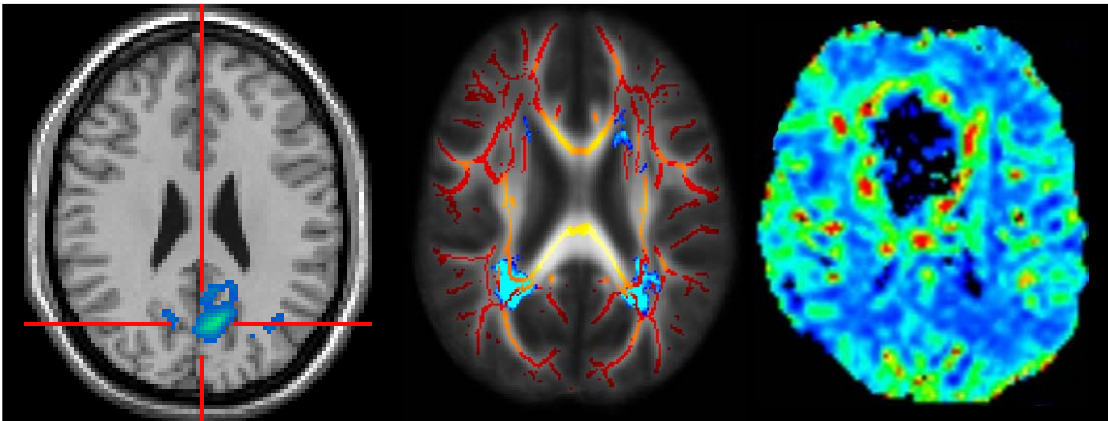


# MSc

# Translational Neuroimaging



## *Beyond ‘blobography’: what is the clinical value?*

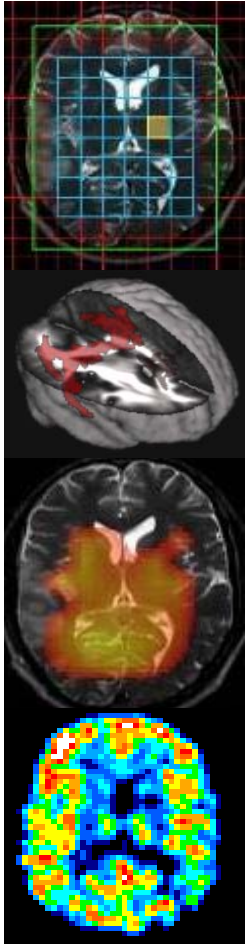
This course is aimed at **scientists, clinicians** and **applied health professionals** with interest in the technical, neuroscientific and clinical background of advanced neuroimaging and cutting-edge applications.

- Tailor-made choice of topics for translational neuroimaging
- Lectures and tutorials offered by an interdisciplinary faculty of experts
- Hands-on experience in advanced image analysis
- Wide choice of research placements and projects
- Individual mentoring and research tutoring

# MSc Translational Neuroimaging

## Course Details

The course has been designed to provide a thorough review of neuroimaging relevant to both scientists and clinicians, with an emphasis on translation of new imaging methods to clinical application:



- **Imaging Methods and Image Analysis \*** **30 Credits**
  - Comprehensive review of advanced neuroimaging methods
  - Image analysis – theory and practical application
- **Clinical Neuroimaging** **30 Credits**
  - Functional and clinical neuroanatomy
  - Pathological imaging findings in CNS disease
- **Translational Neuroscience** **20 Credits**
  - Neuroscience for translational neuroimaging research - molecular, genetic, and neuropathological aspects of neurological and psychiatric disorders
- **Research Methods** **20 Credits**
  - Transferable skills for successful neuroimaging research
- **Individual Research Portfolio** **20 Credits**
  - Personalised programme of approved educational and clinical activities to select and prepare research project
- **Research Project** **60 Credits**
  - Tailor-made in-depth neuroimaging research project
  - Supportive multidisciplinary environment

***In-built flexibility and one-on-one tuition allows a high level of personalisation of the research content of the course, ensuring relevance to candidates from a variety of backgrounds.***

***Access to a unique range of modern MR scanners (1.5T, 3T and 7T) and other imaging modalities (PET, MEG) allows participation in cutting edge neuroimaging research.***

# MSc Translational Neuroimaging

## Additional Information

Students with a variety of undergraduate degrees (medicine and allied professions, biology, pharmacy, neuroscience, pharmacology, computer science) are eligible for the course as no prior knowledge in neuroimaging is required.

For further details, please see :

[http://pgstudy.nottingham.ac.uk/postgraduate-courses/translational-neuroimaging-masters-msc\\_863.aspx](http://pgstudy.nottingham.ac.uk/postgraduate-courses/translational-neuroimaging-masters-msc_863.aspx)

The Course is available for full-time (1 year) or part-time (2 years) students.

Course director: Prof Dorothee Auer

Course Co-ordinator: Sharon Forman ([sharon.forman@nottingham.ac.uk](mailto:sharon.forman@nottingham.ac.uk))

Module convenors: Ass Prof Rob Dineen, Dr Mirjam Schubert, Prof Dorothee Auer. Some Modules are jointly offered with the MSc in Cognitive Neuroscience and Neuroimaging.

Autumn Term: Monday 21 September 2009 - Friday 11 December 2009

Spring Term: Monday 11 January 2010 - Thursday 1 April 2010

Summer Term: Tuesday 4 May 2010 - Friday 18 June 2010

Fees: Home/EU £4,370      Overseas: £14,660

For Nottingham graduates, a bursary of £1,000 may be available (application deadline 30 June 2009). For further information please contact the Course Co-ordinator. A laptop will be provided for all full-time students.

A place in University arranged accommodation is guaranteed for every student.

Application deadline: 1<sup>st</sup> August, 2009.

Contact Accommodation Services

t: +44 (0) 115 951 3697

f: +44 (0) 115 951 3670

e: [pgaccommodation@nottingham.ac.uk](mailto:pgaccommodation@nottingham.ac.uk)

w: [www.nottingham.ac.uk/accommodation](http://www.nottingham.ac.uk/accommodation)

More information is available at [www.nottingham.ac.uk/radiology/tn](http://www.nottingham.ac.uk/radiology/tn)