Human tissue repair after injury and in disease and the development of effective treatments is the focus of all biomedical research. This MRes, taught by leading research scientists and clinicians, offers specialised training and provides a foundation year for a biomedical research career.

**Degree summary**

The programme will provide knowledge of the fundamentals of inflammation and the immune response in human health and disease; cellular and molecular mechanisms of human tissue repair and the development of therapies designed to repair and restore tissue function; treatments including immunotherapy, stem cell therapy, transplantation, tissue constructs and medical devices. Students will obtain additional practical, analytical and transferable skills essential in biomedical research.

- UCL offers a world-class research and teaching environment in biomedical sciences.
- The UCL Divisions of Medicine and Surgery & Interventional Science jointly offer an MRes within the new Institute of Immunity and Transplantation (IIT) based at the Royal Free Campus, to deliver the only programme with an integrated multidisciplinary approach to learning about human tissue repair, regeneration and therapy.
- The programme aims to harness basic, biomedical and clinical expertise and research strengths assembled from across UCL institutes and divisions and UCL partner hospitals, and together with industrial colleagues will provide world-leading cohesive teaching and training in inflammation, immunology, tissue engineering, transplantation, drug discovery and in understanding and treating human disease.

The programme is delivered through a combination of seminars, lectures, e-learning, laboratory work, and practicals. Assessment is through examination, presentations, essays, practical reports and dissertation.

**Degree structure**

Mode: Full-time: 1 year; Part-time: 2 years
Location: London, Hampstead (Royal Free Hospital)

Students undertake modules to the value of 180 credits. This programme consists of five core modules (75 credits), one specialisation optional module (15 credits) and a research project (90 credits).

Please note that the list of modules given here is indicative. This information is published a long time in advance of enrolment and module content and availability is subject to change.

### COMPULSORY MODULES

- Principles of Inflammation
- Principles of Immunology
- Tissue Repair and Regeneration
- Research Methodologies for Human Tissue Repair
- Practical Laboratory Research Skills

Students choose one of the following specialisation modules depending on the route they wish to follow: Inflammation; Immunotherapy; Transplantation Science:
- Immunological Basis of Disease
- Inflammation and Disease

### OPTIONAL MODULES

### DISSERTATION/REPORT

- Students undertake a six-month research project in a research laboratory.
Your career

The programme will prepare students for further academic study and to work at the highest levels within the biomedical sciences. It will also provide the foundation and links for careers engaged in the public healthcare sector and the NHS, in industry and biopharma, government and research councils, biomedical charities and stakeholders, sports medicine, and scientific media and publishing houses.

Employability

Students will gain awareness of the commercial opportunities and diverse funding mechanisms for the development of new ideas, technologies and applications. Our learning methods will prepare students for careers in academic or industrial biomedical sciences, as well as equipping them with transferable skills in presentation, writing, organisation and team work.
Entry requirements

A medical degree or a UK bachelor’s degree in an appropriate subject (biological science, biomedicine, biophysics, chemistry, medicine), awarded with first or upper second-class honours, or an overseas qualification or an equivalent standard from a university or educational institution of university rank.

English language proficiency level

If your education has not been conducted in the English language, you will be expected to demonstrate evidence of an adequate level of English proficiency.

The level of English language proficiency for this programme is: Standard.

Information about the evidence required, acceptable qualifications and test providers is provided at: www.ucl.ac.uk/graduate/english-requirements

Your application

Students are advised to apply as early as possible due to competition for places. Those applying for scholarship funding (particularly overseas applicants) should take note of application deadlines.

When we assess your application we would like to learn:

- why you want to study Human Tissue Repair at graduate level
- why you want to study Human Tissue Repair at UCL
- what particularly attracts you to a laboratory research programme
- how your academic and professional background meets the demands of this and where you would like to go professionally with your degree

Together with essential academic requirements, the personal statement is your opportunity to illustrate whether your reasons for applying to this programme match what the programme will deliver.

FEES AND FUNDING 2019/20 ENTRY

- UK: £13,450 (FT), £6,840 (PT)
- EU: £13,450 (FT), £6,840 (PT)
- Overseas: £25,610 (FT), £12,750 (PT)

The tuition fees shown are for the year indicated above. Fees for subsequent years may increase or otherwise vary. Further information on fee status, fee increases and the fee schedule can be viewed on the UCL Students website.

Full details of funding opportunities can be found on the UCL Scholarships website: www.ucl.ac.uk/scholarships

APPLICATION DEADLINE

All applicants: 26 July 2019

Details on how to apply are available on the website at: www.ucl.ac.uk/graduate/apply

CONTACT

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EU referendum

For up-to-date information relating to specific key questions following the UK’s decision to leave the EU, please refer to www.ucl.ac.uk/brexit