CELL AND GENE THERAPY
MSc / 2018/19 ENTRY
www.ucl.ac.uk/graduate/childhealth
This Master’s degree in Cell and Gene Therapy provides an in-depth education in this cutting-edge and rapidly developing field. It is delivered by scientists and clinicians researching, developing and testing new treatments for genetically inherited and acquired diseases using gene delivery technology, stem cell manipulation and DNA repair techniques.

**Degree summary**

The degree covers all aspects of the subject, including basic biomedical science, molecular basis of disease, current and developing technologies and clinical applications. Students also receive vocational training in research methodology and statistics, how to perform a research project and complete a practical laboratory-based project.

- The UCL Great Ormond Street Institute of Child Health (UCL GOS ICH), and its clinical partner Great Ormond Street Hospital (GOSH), is the largest centre in Europe devoted to clinical, basic research and postgraduate education in children’s health, including haematopoietic stem cell transplantation (HSCT) and gene therapy.
- The UCL School of Life & Medical Sciences (SLMS) has the largest concentration of clinicians and researchers active in cell and gene therapy research in Europe. This is reflected by the many groups conducting high-quality research and clinical trials in the field including researchers at UCL GOS ICH, the Division of Infection & Immunity, the Institute of Ophthalmology, the Institute for Women’s Health, the Institute of Genetics and the Cancer Institute.

Teaching includes lectures, seminars, problem classes and tutorials. Assessment varies depending on the module, but includes written coursework, multiple-choice questions, written examinations, a practical analysis examination and the dissertation of up to 10,000 words.

**Degree structure**

**Mode:** Full-time: 1 year; Part-time: 2 years; Flexible: 2-5 years

**Location:** London, Bloomsbury

Students undertake modules to the value of 180 credits. The programme consists of four core modules (60 credits), four optional modules (60 credits) and a research dissertation (60 credits).

A Postgraduate Diploma (120 credits, full-time nine months or flexible up to five years) is offered

A Postgraduate Certificate (60 credits, full-time 12 weeks, part-time nine months, or up to two years flexible) is offered.

### CORE MODULES
- Molecular Aspects of Cell and Gene Therapy
- Clinical Applications of Cell and Gene Therapy
- Research Methodology and Statistics
- Stem Cell and Tissue Repair

Research Methodology and Statistics is not a core module for the PG Certificate. Students of the PG Certificate can choose an optional module.

### OPTIONAL MODULES
- Foundations of Biomedical Sciences
- Applied Genomics
- HIV Frontiers from Research to Clinics
- Molecular and Genetic Basis of Paediatric Disease
- Understanding Research and Critical Appraisal: Biomedicine
- Laboratory Methods in Biomedical Science
- Research Methodology and Statistics

### DISSERTATION/REPORT
- All MSc students undertake an independent research project which culminates in a dissertation.
Your career

This programme aims to equip students for careers in research, education, medicine and business in academic, clinical and industrial settings. Examples of potential careers could include academic research and/or lecturing in a university or other higher education setting, conducting clinical trials as part of a team of clinicians, scientists and allied health professionals, monitoring and analysing the results of clinical trials as part of a clinical trials unit, developing new therapies or intellectual property in the pharmaceutical industry or other business ventures.

Several of our graduates have gone on to secure PhD places. You can read testimonials from past students which include their destinations following graduation.

Recent career destinations* include:

- Biomedical Scientist, Science Health Society
- Post-Doctoral Fellow, University of London
- PhD in Cell and Gene Therapy, UCL
- Research Assistant, The Magdi-Yacoub Institute / Heart Science
- Scientist, Unspecified Pharmaceuticals Company

* Careers data is taken from the ‘Destinations of Leavers from Higher Education’ survey undertaken by HESA looking at the destinations of UK and EU students in the 2013-2015 graduating cohorts six months after graduation.
Entry requirements

Applicants should be: a qualified medical practitioner, with a qualification equivalent to a UK MBBS; a non-clinical scientist with a minimum of an upper second-class BSc or equivalent in a life or biomedical science subject; or a healthcare, pharmaceutical or biotech professional and scientist with equivalent experience (minimum of three years).

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 Cell and Gene Therapy at graduate level
// why you want to study Cell and Gene Therapy at UCL
// what particularly attracts you to this programme
// how your academic and professional background meets the demands of this challenging programme
// 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.

Application fee: There is an application processing fee for this programme of £75 for online applications and £100 for paper applications. More details about the application fee can be found at www.ucl.ac.uk/prospective-students/graduate/taught/application.

FEES AND FUNDING 2018/19 ENTRY

// UK: £12,150 (FT), £6,070 (PT)
// EU: £12,150 (FT), £6,070 (PT)
// Overseas: £26,670 (FT), £13,350 (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 Current Students website.

Fees for flexible, modular study are charged pro-rata to the appropriate full-time Master's fee taken in an academic session.

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

APPLICATION DEADLINE

All applicants: 27 July 2018

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/eu-referendum