CELL AND GENE THERAPY
MSc / 2019/20 ENTRY

www.ucl.ac.uk/graduate/
The Cell and Gene Therapy MSc provides you with an in-depth insight into this cutting-edge and rapidly developing field. The programme 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 programme covers all aspects of cell and gene therapy, 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

Part-time students will take four modules per year plus the project in year 2. Modules on this programme tend to be taught over a period of a week with intervals between modules.

Students undertake modules to the value of 180 credits. The programme consists of five compulsory modules (75 credits), three optional modules (45 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.

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**

- Molecular Aspects of Cell and Gene Therapy
- Clinical Applications of Cell and Gene Therapy
- Research Methodology and Statistics
- Stem Cell and Tissue Repair
- Applied Genomics

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

**OPTIONAL MODULES**

- Clinical Genomics and Rare Diseases
- Molecular Biology of Normal Development and Birth Defects
- Understanding Research and Critical Appraisal: Biomedicine
- Molecular and Clinical Aspects of Childhood Cancers

**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:

- 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 venture
- academic research and/or lecturing in a university or other higher education setting.

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

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

**FEES AND FUNDING 2019/20 ENTRY**

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<thead>
<tr>
<th>Country</th>
<th>Full-time (FT)</th>
<th>Part-time (PT)</th>
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<tbody>
<tr>
<td>UK</td>
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<tr>
<td>EU</td>
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<td>Overseas</td>
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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.

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: 30 August 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