PAEDIATRICS AND CHILD HEALTH: MOLECULAR AND GENOMIC PAEDIATRICS MSc / 2019/20 ENTRY

www.ucl.ac.uk/graduate/
This comprehensive programme is based at UCL Great Ormond Street Institute of Child Health (UCL GOS ICH). As a student, you will benefit from the unique position the institute occupies within UK paediatrics. We bring together strong links to Great Ormond Street Hospital for Children with our setting within the powerful teaching and research environment of UCL.

**Degree summary**

You will gain an understanding of the principles of evidence-based paediatrics, and of the impact of molecular genetics on diagnosis and management of the child and family. You will build an awareness of current and future developments in paediatric medicine and child health and gain the skills necessary to critically appraise practice and policy, and undertake independent research if the full MSc is taken.

The UCL Great Ormond Street Institute of Child Health pursues an integrated, multidisciplinary approach to enhance understanding, diagnosis, therapy and prevention of childhood diseases. Our research and educational portfolio covers a broad range of paediatric issues, from molecular genetics to population health sciences, and our structure facilitates interdisciplinary work and follows flexibility for the development of new areas of investigation.

Our close relationship with the Great Ormond Street Hospital for Children means that much of our research and teaching is combined.

You will benefit from excellent facilities in both laboratory and non-laboratory subjects.

The programme is delivered through a combination of lectures, seminars, tutorials and research project supervision. Assessment is through a combination of multiple choice questions and short answer questions, essays, posters, presentations, reflective portfolios, critical appraisal of the literature and, for the full MSc, a dissertation and oral presentation.

**Degree structure**

Mode: Full-time: 1 year; Flexible: up to 5 years

Location: London, Bloomsbury

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

A Postgraduate Diploma (120 credits, full-time 9 months, flexible 2-5 years) is offered. The programme consists of four core modules (60 credits) and four optional modules (60 credits).

A Postgraduate Certificate (60 credits, part-time 1 year, flexible 1-2) is offered. The programme consists of four core modules (60 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**

- Evidence-based Child Health
- Research Methodology and Statistics
- Students must also choose at least two further core modules from the following:
  - Molecular Biology of Normal Development and Birth Defects
  - Molecular and Clinical Aspects of Childhood Cancers
  - Clinical Genomics, Genetics and Rare Diseases
- Please note: those modules not taken as core will still be available as options

**OPTIONAL MODULES**

Students must take at least two modules from those available across the other pathways of the Paediatrics and Child Health MSc, with the following modules particularly recommended for students in this area:

- Stem Cells and Tissue Repair
- Molecular Aspects of Cell and Gene Therapy
- Clinical Applications of Cell and Gene Therapy
- Applied Genomics

**DISSERTATION/REPORT**

All students undertake an independent research project which culminates in a dissertation of 10,000 words.
Your career

The programme provides an ideal foundation for further doctoral research in this field and/or a career in research and evidence-based practice in paediatrics.
**Entry requirements**

Medically qualified applicants should have post-qualification experience in paediatrics or child health. Non-medically qualified applicants should normally have a minimum of an upper second-class UK Bachelor's degree or an overseas qualification of an equivalent standard, and several year's specialist experience of working in hospitals, community child health or public health services for children and families.

**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: Good.

Information about the evidence required, acceptable qualifications and test providers is provided at:

[www.ucl.ac.uk/graduate/english-requirements](http://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 Molecular and Genomic Paediatrics at graduate level
- why you want to study Molecular and Genomic Paediatrics 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](http://www.ucl.ac.uk/prospective-students/graduate/taught/application)

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**FEES AND FUNDING 2019/20 ENTRY**

<table>
<thead>
<tr>
<th>Region</th>
<th>Full-time Fee (£)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UK</td>
<td>£10,150</td>
</tr>
<tr>
<td>EU</td>
<td>£10,150</td>
</tr>
<tr>
<td>Overseas</td>
<td>£25,150</td>
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</tbody>
</table>

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.

The Michelle Zalkin Scholarship offers exceptional students with a proven career in Child Protection £10,000 to study for a Master's in Paediatrics and Child Health. More information can be found on the scholarship page of the website.

Full details of funding opportunities can be found on the UCL Scholarships website: [www.ucl.ac.uk/scholarships](http://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](http://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](http://www.ucl.ac.uk/brexit)