

Imperial College London

Revolutions in Biomedicine summer programme

Applications are now open for the 2017 Imperial College London [Revolutions in Biomedicine summer programme](#).

The programme provides students with an opportunity to enhance their academic profiles and to make friends from across the world.

Key facts:

- Programme dates: 3 July – 28 July 2017
- Location: Imperial College London's [South Kensington](#) and [Hammersmith Hospital](#) campuses
- Research-oriented [academic programme](#)
- Parallel [social and cultural programme](#)
- Teaching and learning contact hours: 80
- Open to undergraduates, postgraduates and recent graduates (18+)
- Credit: 7.5 ECTS or equivalent*

*A student's home institution will determine how much credit is awarded.

Tuition fees

Tuition fees for our four week Revolutions in Biomedicine summer programme are £3,500 (please note that the tuition fees do not include living expenses, accommodation or some social programme activities).

Programme details

Our [four-week programme](#) immerses you in the cutting-edge research environment of Imperial College's world-leading Faculty of Medicine. Guided by expert academic staff, you will consider past, present and future revolutions in biomedicine across a range of themes aligned with research strengths in the Faculty.

These topics will be drawn from areas such as regenerative medicine, gene therapy and gene editing, novel cancer therapeutics, big data, genomic medicine, microbial resistance to antibiotics, diabetes and obesity, and global health. For each theme, scene-setting in the morning will be complemented by interactive group work (or field trips) in the afternoon and rounded off with an hour of debriefing.

You will benefit from a week long laboratory-based research project into fundamental immune cell activation mechanisms that will inform the development of effective viral vaccines. You will work in groups to design your experiments, execute them in the lab, analyse the data and present to your peers.

Learning outcomes

- 1) Identify past and current paradigm shifts, discoveries and advancements that constitute revolutions in biomedicine across areas of research focus in the Faculty of Medicine
- 2) Summarise the historical context, key concepts and findings, and discuss possible future revolutions arising from scientific advances across these fields
- 3) Identify key elements of good laboratory experimental design, employ effective teamwork to generate a well-reasoned research plan, and work in groups to execute research plans in the laboratory
- 4) Critically evaluate and interpret quantitative and qualitative experimental data
- 5) Plan and perform a clear and concise conference-style oral presentation using effective teamwork
- 6) Demonstrate awareness of the importance of teamwork and the human qualities necessary to work in an international group

Programme benefits

- Gain academic credit and enhance your CV
- Experience intensive and stimulating study at one of the [world's highest ranked universities](#)
- Interact with world-leading medical science researchers
- Explore London's rich cultural and historical heritage through our [social programme](#)
- Benefit from peer-led pastoral support from Imperial Student Ambassadors
- Gain hands-on laboratory experience via the mini-research project

Academic eligibility

- All applicants must be 18 years or older and have enrolled on or completed an undergraduate programme with a bioscience component.
- Applicants who are currently undertaking a degree will need to demonstrate that they have passed at least one undergraduate module in a bioscience subject. For students who are unable to access a transcript or are currently undertaking a bioscience module which would not appear on a transcript, we may be able to accept a reference from a member of academic staff who can vouch for their performance.
- For more information, please check our [eligibility page](#) or contact [Lottie Stables](#)

English Language eligibility criteria

Applicants must demonstrate one of the following:

- They are undertaking an undergraduate or postgraduate degree taught in English
- They have completed an English language qualification at school or at university (they will be expected to provide proof of this in their application)
- They have an IELTS or TOEFL qualification. For IELTS we would ask for a score of 6.5 overall with a minimum of 6.0 in all elements. For TOEFL, we would usually expect that students have

achieved 92 overall with a minimum of 20 in all elements. Students would need to provide proof of their qualification in their application.

- For more information, please check our [eligibility page](#) or contact [Lottie Stables](#)

Scholarships

Up to two scholarship places are available for students who are able to demonstrate outstanding potential in biomedical sciences. These scholarships include tuition fees, accommodation and reasonable travel expenses. Please see our [scholarship page](#) for more details.

Accommodation

Imperial College London offers a variety of accommodation options. These include self-catering accommodation in Wilson House halls of residence which can be booked on confirmation of a place on the summer school. For more information, please see the [accommodation pages](#) of the website or contact [Lottie Stables](#).

Assessment

Assessment for academic credit takes the form of a three-hour written exam taken on the final day of the School (60%) and laboratory research project coursework completed early in Week 4 (40%). To gain academic credit, an aggregate mark of at least 40% is required.

The written exam is not compulsory and students are permitted to opt out. However, only students who sit the written exam will have the opportunity to earn academic credit. Students who opt-out of the written exam will only be presented with a certificate of attendance (on the basis that they have attended over 80% of teaching sessions).

Academic credit

All students who attend the Revolutions in Biomedicine summer programme will be issued with a certificate of attendance.

Those students who sit the examination and submit coursework will also be issued with an Imperial College London academic transcript, displaying their overall aggregate mark.

Further information

For enquiries, please contact the administrator Lottie Stables (fomsummerschool@imperial.ac.uk).

