

MANCHESTER  
1824

The University of Manchester

# INTERNATIONAL SUMMER SCHOOLS

Faculty of Biology, Medicine and Health




## WELCOME


Join one of the Faculty of Biology, Medicine and Health's international summer schools for a four-week course which allows you to explore contemporary Manchester and its region, alongside learning at one of the highest ranked universities in the UK (QS World University Rankings 2019).

## OUR SUMMER SCHOOLS


All of our international summer schools are individually designed and structured to give you the best possible experience of Manchester.




BIOSCIENCES



EPIDEMIOLOGY



NURSING



PHARMACY



SCIENCE COMMUNICATION

## A WELCOME MESSAGE FROM THE ASSOCIATE DEAN FOR INTERNATIONALISATION

The Faculty of Biology, Medicine and Health at The University of Manchester is delighted to offer a series of four-week summer schools for undergraduate students from our partner universities. We are offering summer schools in Biological Sciences, Epidemiology, Nursing, Pharmacy and Science Communication. For more information about our International Summer Schools, please see [www.bmh.manchester.ac.uk/summerschools](http://www.bmh.manchester.ac.uk/summerschools)

The purpose of the summer schools is to provide you with first-hand experience of cutting-edge research and practice, in a world class learning environment enriched with British culture. Ranked 29th in the world (QS World University Rankings 2019), The University of Manchester has an outstanding international reputation. The University has 25 Nobel Prize winners amongst its current and former students and staff, two of which (Kostya Novoselov and Andre Geim) are currently working at the University. We are particularly proud of our strengths in the biological sciences, medicine and allied health disciplines that all comfortably rank in the top 50 in the world (QS World University Rankings by Subject 2018).

The summer schools were set up in 2016 with the establishment of the Biological Sciences International Summer School programme by Professors Qing-Jun Meng and Bob Ford. They were expanded in 2018 to include Nursing, Epidemiology and Science Communication International Summer Schools. We are delighted to

also introduce the Pharmacy International Summer School, which will run for the first time in 2019. When setting up these courses, it was important to provide you with an experience of the best elements of our research, using the innovative, varied and successful teaching approaches from our undergraduate programmes. However, we also wanted you to have the chance to enjoy some of the highlights of British culture and countryside and have ensured that there is time within the four week timetable for you to explore the UK. It takes just over two hours to reach the centre of London by train, and the Lake District, Snowdonia, Edinburgh, Liverpool and Cambridge are all easily accessible from Manchester.

Looking forward, we hope the summer schools will expand to include more subjects and we are looking to develop programmes in psychology and clinical sciences. We are also hoping to increase the numbers of students taking part and to welcome a diverse mix of students as we expand our university partnerships.

Based on the success of the summer schools in the last few years, we are confident that the summer school programme will give you a fantastic experience that will have lasting impact on your studies and career.

We look forward to welcoming you to Manchester this July.

**Keith Brennan**

Associate Dean for Internationalisation  
Professor of Developmental Signalling

# BIOSCIENCES INTERNATIONAL SUMMER SCHOOL

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## What we do

This four-week programme will allow you to explore and develop your skills within biological and biomedical sciences at a world-leading research university.

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## Programme details

Our programme is structured to provide you with a focused schedule centred around one of the many areas of bioscience research at The University of Manchester.

A typical week on the Biosciences International Summer School will include lectures, practical laboratory activities, independent research, and group work.

During each week of the summer school, you will be assigned to an area of biosciences from the following list (four areas in total):

### Topics include:

- Clinical microbiology
- Developmental biology
- Physiology
- Pharmacology
- Genetics
- Cognitive neuroscience
- Biochemistry
- Clinical sciences
- Entrepreneurial skills



# EPIDEMIOLOGY INTERNATIONAL SUMMER SCHOOL

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## What we do

This four-week programme gives you the opportunity to work alongside some of our world-leading academic and research staff with interests in population health, health services management and primary care.

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## Programme details

The Epidemiology International Summer School programme is structured to provide you with an opportunity to learn about a wide range of topics from our teaching staff.

A typical week will include lectures, practical sessions, independent research and group work.

You will be able to demonstrate your learning through working in groups and producing a joint project together that will test the application of your learning in the real world.

### Topics include:

- Evidence synthesis
- Biostatistics
- Health economics
- Health inequalities
- Intercultural public health



# NURSING INTERNATIONAL SUMMER SCHOOL

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## What we do

This four week programme aims to give you the opportunity to study at an institution famous for leading the way in nursing education.

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## Programme details

The programme for the Nursing International Summer School is structured to allow you to get the most out of your time in Manchester.

Over the course of the four weeks you will have the opportunity to learn a wide range of topics from our teaching staff and external speakers.

### Topics include:

- Research evidence and evidence-based nursing
- Clinical practice and innovations in practice
- The role of family carers
- Chronic disease management and self-management
- Healthy ageing, frailty and innovations in ageing research
- End of life care
- Mental health
- Teaching and learning in clinical practice
- Management and organisational theory



# INTERNATIONAL PHARMACY SUMMER SCHOOL

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## What we do

This four-week summer school will allow you to widen your pharmacy knowledge at an institution known worldwide for its pharmaceutical research and pharmacy practice.

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## Programme details

You will get to experience what life is like as a pharmacy student at The University of Manchester thanks to our well-structured programme.

A typical week at the International Pharmacy Summer School will feature practical sessions focused on patient-centred care and pharmaceutical sciences, team-based learning activities on pharmaceutical care and medicines optimisation, and lectures.

You will be able to demonstrate your learning through working in groups and producing a joint medicine-based project together which will capture the journey of a medicine from bench to bed side, as well as producing a short video on health promotion.

### Topics include:

- Pharmacy in the UK
- Cancer medicine
- Cardiovascular risk assessment
- Consultation skills
- Health promotion
- Structure of the drug



# SCIENCE COMMUNICATION INTERNATIONAL SUMMER SCHOOL

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## What we do

This four-week programme will introduce you to the history, contexts, principles and practice of science and health communication.

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## Programme details

You will get the opportunity to learn more about the different facets of science and health communication through our summer school programme.

A typical week on the Science Communication International Summer School will include lectures, seminar discussions, field trips, independent research and group work.

In addition to working with University of Manchester staff, you will also meet and be mentored by current science communication MSc and PhD students.

There will be field trips and visits to sites such as Jodrell Bank Discovery Centre, The Christie Hospital and Manchester Cancer Research Centre, Chester Zoo and The Science and Industry Museum.

### Topics include:

- Science and health journalism in the internet age
- Museums: Who and what are they for?
- Science communication and fictional media
- Communicating health and environmental risks
- Children and science: Educational opportunities and challenges
- Engaging with patients and the public around medical research
- Social and digital media: Expanding expertise?
- From colonialism to conservation: Zoos and science communication



FIND OUT MORE  
AND APPLY TODAY

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[www.bmh.manchester.ac.uk/summerschools](http://www.bmh.manchester.ac.uk/summerschools)  
[siss@manchester.ac.uk](mailto:siss@manchester.ac.uk)





## Find out more and apply today

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### Disclaimer

This brochure is prepared well in advance of the academic year to which it relates. Consequently, details of the courses may vary with staff changes. The University therefore reserves the right to make such alterations to courses as are found to be necessary. If the University makes an offer of a place, it is essential that you are aware of the current terms on which the offer is based. If you are in any doubt, please feel free to ask for confirmation of the precise position for the year in question, before you accept the offer. For more information, please contact us at [siss@manchester.ac.uk](mailto:siss@manchester.ac.uk).

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