Life Sciences and Medicine Webinar 25.06.2020

Julia Kotowska, Arina Machine, Sandhya Narayanan

project access

Agenda

- Introductions
- Life Sciences
- Medicine

Mission to help untraditional students

Project Access is an **international non-profit** set up to provide **bright students from untraditional backgrounds** with personal mentors, who are currently university students at one of our target universities

We have a network of

160+ team members

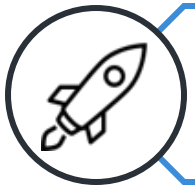
3,500+ mentors

We have supported

3,000+ aspiring students!

Mentees come from untraditional backgrounds and need resources and guidance

Mentors help students navigate the application process and offer 1:1 support



Once they receive an offer, mentees form part of our campus community

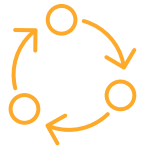
Introductions

Julia Kotowska
Incoming clinical 4th Year
Medicine
University of Oxford

Arina Machine
Incoming 3rd Year
Natural Sciences (Plant Sciences)
University of Cambridge

Sandhya Narayanan
Incoming 4th Year
Biological Sciences (Cell Biology)
Edinburgh University
University of California, Berkeley

Why Life Sciences?



Helps you understand **yourself and the world around you**

Life sciences cover a **broad range** of topics ranging from single cells to ecosystems

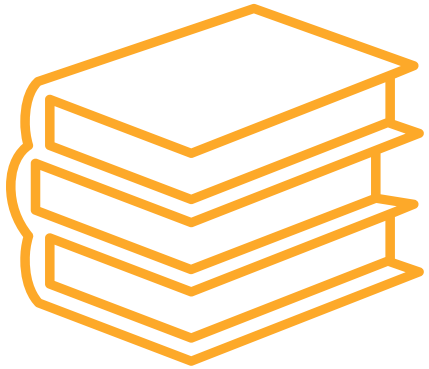
Research into the subject **helps make the world a better place.** A career in Life Sciences can mean anything from curing diseases to preventing animals from going extinct

Teaches **key transferable skills** even if you don't want to pursue a career in research

Studying Life Sciences

You can choose to start with a **broad course** and specialize later, or to go straight into a **specific course** such as Marine Biology

You will likely have larger **lectures,** but a large part of your course will be **lab work**



Usually very heavily **content** based, but also encourages **critical thinking**

Applying for Life Sciences

Varies by country and university, but some of the things you can be expected to do are:

- Write a personal statement
- Complete external assessments (subject SATs, university specific)
- Show experience
- Attend an interview

Studying at Cambridge

Pick from a large **number of modules** your first and second year, and then specialize in your third year. In the first-year biology options include Evolution and Behavior, Biology of Cells, and Physiology

Weekly supervisions in groups of 1-3 in each subject to help consolidate knowledge

Close community within your college with a large amount of pastoral support available from your DOS to your tutor.

Cambridge is a **small city** and the heart of many biotech initiatives.

Studying at Edinburgh

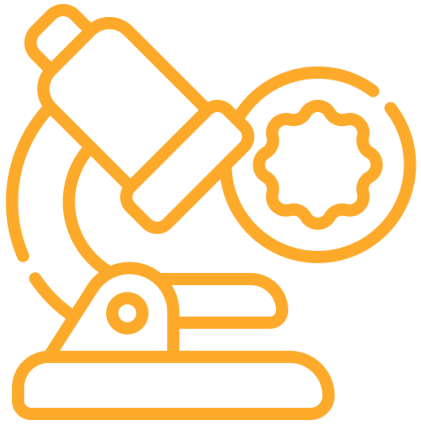
Four-year undergraduate degree programme in Scotland

12 choices Honours programmes – this means that you don't need to know which area of biology you are interested in before you start. You only have to decide at the end of 2nd year, giving you plenty of time.

Choices include: Biochemistry; Biotechnology; Cell Biology; Development, Regeneration and Stem Cells; Ecology; Evolutionary Biology; Genetics; Immunology; Molecular Biology; Molecular Genetics; Plant Science; and Zoology.

Edinburgh: beautiful and traditional city with lots to see and do!

What skills will I gain?



Scientific skills

such as lab work experience, research skills as well as technical scientific knowledge

STEM subjects

help gain organisational, time-planning and analytical skills as well as group working and problem-solving skills

Research Opportunities

Most top universities will have the opportunity to get involved in **extracurricular research** opportunities.

You may be able to help with lab work during the semester, but this largely done over the **summer holidays**.

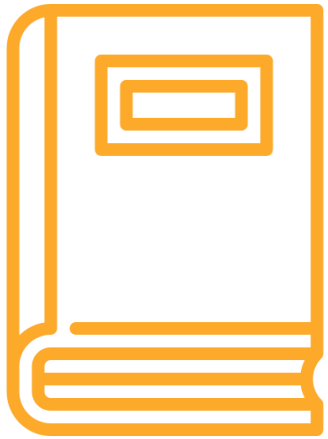
Allows you to work in a **lab environment** with other researchers to further understand your specific scientific interests.

You can learn from more **experienced scientists** and be involved in some **very exciting** independent scientific work.

Career Options

Further Study

Masters, PhD, Medicine



Research

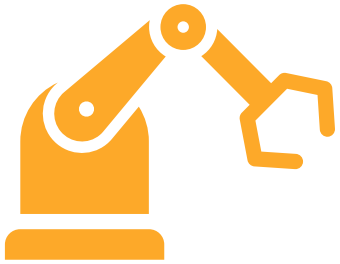
University, Industry, Research Organisations

Other Jobs

Government, finance, technology etc.

Why Medicine?

Craft of Medicine



Science
and Technology

Challenging but
rewarding profession

Applying for Medicine

UCAT Examination
Summer

BMAT Examination
November

Work Experience
Required by most schools

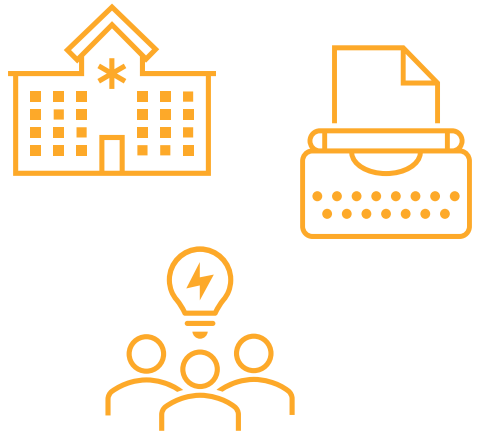
UCAS Deadline
15th Oct

Interviews
December - March

Choosing a University

Intercalation

Additional Degree

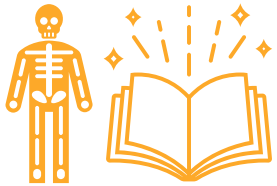


Teaching Style

More on BMA website

Studying Medicine

Practicals



Traditional Subjects

Clinical Preparation

Spending lots of time with other medics

Studying Medicine at Oxford

Intercalated BA in Medical Sciences

Traditional teaching, strong scientific basis

Strong separation between clinical and pre-clinical school

Spending lots of time with other medics but primarily in college

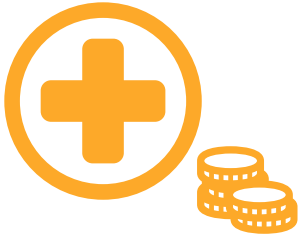
Career Options

Patient Work

Further Study

Clinical Research

Public Health



Healthcare Management

Q&A

Julia Kotowska
Medicine

julia.kotowska@projectaccess.org

Arina Machine
Natural Sciences (Plant Sciences)

arina.machine@projectaccess.org

Sandhya Narayanan
Biological Sciences (Cell Biology)

sandhya.narayanan@projectaccess.org

Malin Bornemann
Head of Access Academy

Malin.bornemann@projectaccess.org

Aryan Aneja
Partnerships Officer at Warwick

Aryan.aneja@projectaccess.org