

International Summer School – Biosciences

We have put together a course overview to give you some insight into what you will be learning during the summer school. There are no actions to take from this document it is just to provide an overview and learning outcomes for the week.

Summary and learning outcomes:

You will be entering our “virtual lab” to test promising lead compounds to see whether they could be effective anti-cancer agents.

Gain knowledge and understanding of:

- ✓ How human cancer cell lines are grown in vitro
- ✓ How to design an experiment to test anti-cancer drugs
- ✓ How to interpret and analyse your results
- ✓ How to write research reports

Sessions:

There will be 4 lectures released (Mon-Thursday) at 09:00 BST every day and a related written task.

Day 1: Your project and writing the introduction.

Day 2: The virtual lab and writing the methods.

Day 3: Qualitative analysis and writing the results.

Day 4: Quantitative analysis and writing the results.

Day 5: Discussing and interpreting the data.

During the week of the summer school, we advise you watch the lecture first before looking through the task instructions, most lectures are between 30-60 minutes and the task should take another 30-60 minutes to complete. Once you have finished your task for the day, you will upload it onto the assignments tab on MS Teams, and feedback will be provided as soon as possible. There is no expectation for you act on the feedback or to resubmit the task after the feedback has been given.

You will need to complete all tasks and upload to the assignments tab throughout the week, but no later than Friday 28th August 2026. If you do not submit every task, you will not be eligible for the guaranteed conditional offer.

Recommended reading:

Introduction to cancer biology - [Free introductory textbook](#)

The academic who is delivering these sessions:



Dr Cressida Lyon

For more information on Dr Lyon's academic and research background please click [here](#).

General Information and Guidance sessions:

Every day at 12pm (BST), we will also have an optional information session focusing on applying to study in the UK. You can join us live for these or if your time zone/schedule does not allow this, they will all be recorded and uploaded to the International Summer School 2026 Team in the 'Files' tab for you to watch at a more convenient time.

Day and time	Theme
Monday 17 August 9am	Introduction to the Summer School & Why Bath?
Tuesday 18 August 12pm	Living in a New Culture
Wednesday 19 August 12pm	Getting Skills Ready for University
Thursday 20 August 12pm	Writing your Best Personal Statement
Friday 21 August 12pm	Student Life Q&A

If you have any questions or concerns ahead of the beginning of the summer school, please contact the International Summer School Team on internationalsummerschool@bath.ac.uk