

Work Experience Job Description

MISKA LAB

About the Gurdon Institute

[The Gurdon Institute](#) is a world-leading centre for research into the biology of development and how normal growth and maintenance can go wrong in diseases such as cancer. Many of our scientists have made pioneering contributions to the fields of basic cell biology, cellular reprogramming, epigenetics, and DNA repair.

Dates of Placement

8-12 July

Placement Description

Area of the Gurdon [Laboratory Research](#)

General topic area Inheritance of traits from parents, gene regulation, role of RNA in inheritance and adaptation to environment

About the team Transfer of genetic information from parents to the next generation determines the fate of the offspring. Changes in the environment can alter this genetic information and may lead to abnormalities or disease in the offspring. Our group is primarily interested in investigating how genetic information is protected and maintained in an organism.

Main model(s) used *C. elegans* (roundworms) and cell culture

What will you do? Spend 3 hours in the lab each day, learning and practicing techniques such as PCR, agarose gel electrophoresis, and DNA/protein quantification.

You will attend four, two-hour interactive workshops to help you develop scientific knowledge and practical skills.

Additionally, you will create and deliver a scientific presentation to other work experience students.

You will also have the opportunity to network with post-graduate students and scientists, talk to them about their jobs and lives and find out how research is done in the lab.



About the successful student

We expect all students to be punctual, responsible, reliable, curious, and willing to listen to advice and act on feedback.

You must also be available for all of the days during the placement week.

Ideally interested in: Biology

Key skills include: Attention to detail, proactive, inquisitive

What you will need

You will need to bring Closed-toed shoes
A positive attitude

We will provide Lab coat
Protective eyewear
Gloves
Computer access
Free lunch at the Institute (up to £10 per day)
Transportation reimbursement (receipts required, up to £50 per week)

Questions?

If you have any questions about this job description, the work experience programme or the application process, please reach out to Naomi at workexperience@gurdon.cam.ac.uk