Work Experience Job Description
SURANI 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 July – 12 July

Placement Description

Area of the Gurdon
Laboratory Research

General topic area
Human germ cell specification, programming and epigenetic inheritance

About the team
We study precursors to eggs and sperm (also known as Primordial Germ Cells or PGCs) in early human development and the mechanisms of cell fate determination with a focus on human PGC specification

Main model(s) used
Primordial germ cells (PGCs). By developing in vitro models, and with authentic hPGCs from human embryos

What will you do?
Spend 3 hours in the lab each day, learning and practicing techniques such as, molecular biology, immunohistochemistry, confocal microscopy and imaging
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 (see dates on page 1).

Ideally interested in: Biology

Key skills include: Attention to detail, proactive, inquisitive, enthusiastic.

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