

**Fully Funded Faraday Undergraduate Summer Experience (FUSE) Internship Program:
Faraday Training Videos**

Project Description and Goals

There is a growing battery industry across the globe requiring experts from different backgrounds to help expand and meet the increasing demand for rechargeable batteries. The Faraday Institute funds a large number of post-doctoral researchers and PhD studentships across the UK in order to develop new battery technology and train the next generation of battery chemists. The recent Covid-19 outbreak has put a strain on many Faraday Institute funded projects due to lab closures and social distancing rules. In particular, this has made training new researchers more difficult. To combat this, a small focus-group has been tasked with producing training videos for researchers across all Faraday projects. These videos will be used to train new researchers beyond covid-19, so they must be to a high standard and contain the most up-to-date best practises. This project will provide support to this group by taking responsibility for a number of training videos. In this project you will:

- Be responsible for writing, directing and filming a number of training videos for use within the Faraday institute.
- Become fully trained in the battery-making process including the start-to-finish task of producing a coin-cell and testing its capabilities.
- Develop your scientific communication skills through clear and concise delivery of training information suitable for researchers of all levels.
- Become a member of the Faraday Institution FutureCat project on next generation cathode materials, enabling you to join meetings discussing cutting edge research

This opportunity would suit an individual with an interest in science communication and battery technology looking to gain valuable laboratory experience and develop their ability to deliver high-level scientific information

This project will be based in our laboratories in Sheffield. Due to the ongoing COVID-19 situation, you will be expected to follow University guidance regarding social-distancing rules and work remotely when possible.

Supervisory Team are based at: Chemical & Biological Engineering, University of Sheffield ([link](#))

Names: Ms Josie Whitnear (FutureCat Technician at the University of Sheffield)

Eligibility

In order to partake in the project you must be:

- A full-time registered undergraduate student at a UK university
- Undertake the internship within the years of undergraduate study (i.e. not currently in your final year)

Funding

A salary of £9.30 / hour across the UK or £10.75 / hour in London will be provided. This will be determined by the working address of the appointee, not the university's location. The internship is a full-time role for 8 weeks beginning in early June. The funding is provided by [The Faraday Institution](#). During the term of the project, you'll also be able to attend Faraday Masterclasses, and FUSE cohort events focusing on a variety of topics to further develop your understanding of career opportunities in battery research. At the end of the programme, you'll be invited to participate in a Faraday Institution event to share a poster on your work with UK battery researchers and industry partners. Prizes will be awarded.



THE FARADAY
INSTITUTION

FutureCat

NEXT GENERATION LI-ION CATHODE MATERIALS

The proposed start date is **1st June** with a potential end date mid-August, but there is flexibility and the exact dates can be agreed with the supervisory team.

Next steps:

If you have any queries contact Josie Whitnear (j.whitnear@sheffield.ac.uk)

Please complete this form or scan the QR code below by **Tuesday 4th May** to apply:

<https://www.surveymonkey.co.uk/r/labtrainingvideos>

For Project information, see: <https://futurecat.ac.uk>



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