

**Faculty of Biological Sciences
School of Biomedical Sciences**

**Summer Research Placement
8 weeks, between Monday 2nd June – Friday 1st August**

Job Summary

Stipend is £270 per week.

Informal enquiries may be made to Dr Joshua Jenkins (j.jenkins@leeds.ac.uk)

To apply, please send your CV and a covering letter (200-300 words maximum)

Closing Date: 5pm on 6th February 2025

Interviews: 24th March 2025

Job Description

Reports to: Dr Joshua Jenkins

Main Duties and Responsibilities

- Setting up preprocessing of tilt series data collected on the Titan Krios microscope (motion correction and CTF estimation)
- Aligning tilt series for tomographic reconstruction
- Annotating and segmenting tomographic reconstructions of Alzheimer's disease human brain tissue
- Particle picking from tomographic reconstructions and setting up initial subtomogram averages

Person Specification

Essential

- Enthusiastic and highly motivated to drive new scientific discoveries
- Able to work proficiently in team environments and independently
- Attention to detail
- Problem-solving skills

Desirable (optional to include this)

- Understanding of amyloid proteins and neurodegenerative diseases (e.g. Alzheimer's disease)
- Familiarity using command line/terminal on mac and linux operating systems.

Additional Information

Details of the terms and conditions of employment for all staff at the university, including information on pensions and benefits, are available on the Human Resources web pages accessible via the links on the right hand side, or at <http://www.leeds.ac.uk/hr/index.htm>

Criminal Record Disclosures

A Criminal Records Disclosure is not required for this position. However, applicants who have unspent convictions must indicate this in the 'other personal details' section of the application.

Disabled Applicants

The post is located in the Faculty of Biological Sciences. Disabled applicants wishing to review access to the building are invited to contact the department direct. Additional information may be sought from the Recruitment Officer, email disclosure@leeds.ac.uk or tel + 44 (0)113 343 1723.

Disabled applicants are not obliged to inform employers of their disability but will still be covered by the Disability Discrimination Act once their disability becomes known.

Further information for applicants with disabilities, impairments or health conditions is available in the applicant guidance.

University Values

All staff are expected to operate in line with the university's values and standards, which work as an integral part of our strategy and set out the principles of how we work together. More information about the university's strategy and values is available at <http://www.leeds.ac.uk/comms/strategy/>