

**UNIVERSITY OF LIVERPOOL
DEPARTMENT OF BIOCHEMISTRY AND SYSTEMS BIOLOGY**

Research Technician for a membrane protein project

£33,314-35,333 pa

An exciting opportunity has emerged to join the [Molecular Biophysics Group](#) to work on a BBSRC-supported collaborative project between the teams from University of Leeds and Liverpool aimed at answering fundamental questions on enzyme mechanism of quinol-dependent integral membrane nitric oxide reductases, a member of respiratory heme-copper oxidase superfamily. The project builds on our recent 2.2Å cryoEM structure of this enzyme and aims to address a number of ambitious questions through well-informed point mutations and high resolution cryoEM structures. In addition to the isolated enzyme, we also aim to obtain the first structures of CuNiR-qNOR protein-protein complexes in catalytic turnover.

We require a research technician at Liverpool to support an experienced PDRA and the team for this project. You will be responsible for producing wild-type and mutant qNOR membrane bound proteins in sufficient quantities for functional and cryoEM studies. You would also support in producing AxCuNiR and its mutants following the established protocols in our laboratories.

You should also be able to work in a team. We will provide the technician with a range of training opportunities including attending workshops and where appropriate conferences. The University has a comprehensive promotion pathway for specialist technical support staff. The post is available for 3 years.

Please send your CV with a detailed cover letter explaining your suitability to Dr Stephen Muench (S.P.Muench@leeds.ac.uk), Dr Svetlana Antonyuk (antonyuk@liverpool.ac.uk) and Professor Samar Hasnain (s.s.hasnain@liverpool.ac.uk). The position is available from October 2023.