

Postdoc Positions at Queen Mary University of London (up to 2 positions available)

Position 1: <https://www.qmul.ac.uk/jobs/vacancies/items/9054.html>

Position 2: <https://www.qmul.ac.uk/jobs/vacancies/items/9056.html>

For more info about the group: <https://www.space-plasma.qmul.ac.uk>

About the Role

This is an opportunity to be involved in a growing research team, led by Dr Christopher Chen, to work on either the UKRI Future Leaders Fellowship (FLF) project “Exploring New Regions of Space: Fundamentals and Impacts of Astrophysical Plasma Turbulence” or the STFC Consolidated Grant Project “Plasma Physics of the Earth’s Magnetosheath”. This is a highly collaborative team effort, with interlinking (and flexible) projects, based on investigating plasma processes – turbulence/reconnection/instabilities/etc., both as fundamental processes in space/astrophysics/experiments, and also their variety of impacts, from controlling the large-scale dynamics of heliospheric/astrophysical systems, to their role in space weather. The research programme involves cutting-edge observational data analysis, lab plasma experiments, theory, numerical simulation, and space weather research, so applicants with expertise in any of these areas (and interest in getting involved in the others) are encouraged. Extensive dedicated career support is available for all team members.

About You

The successful candidate(s) will have a PhD (or equivalent) in Space/Astrophysical/Laboratory Plasma Physics (or related subject). They will have the skills/abilities to conduct/disseminate internationally high-quality innovative research. They will be highly motivated, demonstrate initiative, collaborate successfully towards team goals, and show commitment to research / academic life / ethical working.

About the School/Department

The School of Physical and Chemical Sciences includes the Department of Physics and Astronomy which hosts world-class research centres across a range of areas in modern physics: Astronomy, Experimental Particle Physics, Theoretical Physics, and Condensed Matter & Materials Science. It has 53 academic staff, 45 research staff, 85 PhD students, and runs successful undergraduate/postgraduate teaching programmes with ~400 students. It recently underwent a £12M refurbishment to provide state-of-the-art research/teaching facilities. The Space & Astrophysical Plasmas group has a long history of high-quality research and is part of the Astronomy Unit, which also hosts leading groups in Cosmology and Planetary Physics, taking major roles in large international projects.

The position

The post is based at the Mile End Campus in London. It is full time (35 hours per week), fixed term appointment for 2 years initially (with possibility for extension), with an expected start date in early 2024 (although this is flexible). The starting salary will be in the range of £40,223 - £49,785 per annum (pro-rata), inclusive of London Allowance.

Please get in touch with Dr Christopher Chen (christopher.chen@qmul.ac.uk) if you are interested in applying, or would like more information.

