

Candidate Information

Position: Research Fellow
School/Department: School of Mathematics and Physics
Reference: 26/113404
Closing Date: Monday 13 July 2026
Salary: £41,519 to £45,349 per annum
Anticipated Interview Date: Thursday 30 July 2026
Duration: 3 years

JOB PURPOSE:

To undertake duties within the Astrophysics Research Centre involving galaxy image analysis and the discovery and interpretation of explosive transients.

MAJOR DUTIES:

1. Analyse Hubble Space Telescope imaging data for a sample of galaxies hosting tidal disruption events.
2. Contribute to group activities including scanning of new transients from surveys such as ATLAS and LSST.
3. Analyse and interpret follow-up data and compare with theoretical models.
4. Write publications and present findings at conferences and workshops.
5. Help supervise and support postgraduate and undergraduate students working in this area.
6. Read academic papers to keep up to date with developments in the field.
7. Carry out any other duties designated by a line manager and which fall within the general ambit of the post.

ESSENTIAL CRITERIA:

1. Have or be about to obtain* a PhD in astrophysics of a closely related discipline, (*must be awarded or submitted by the time of taking up the post).
2. Research experience in analysing imaging data for transients and/or galaxies.
3. Demonstrable experience of programming in Python and standard astronomy software packages.
4. Ability to interact with research colleagues and support staff.
5. Ability to analyse and communicate effectively.
6. Demonstrate intellectual ability.
7. Supportive of students and colleagues.

DESIRABLE CRITERIA:

1. PhD awarded.
2. Experience in working with real-time transient alerts.
3. Flexibility to travel for conferences/collaborative visits/data collection.