

## Candidate Information

<b>Position:</b>	Research Fellow in Solar Physics
<b>School/Department:</b>	School of Mathematics and Physics
<b>Reference:</b>	26/113093
<b>Closing Date:</b>	Monday 23 February 2026
<b>Salary:</b>	£42,756 per annum
<b>Anticipated Interview Date:</b>	Monday 16 March 2026
<b>Duration:</b>	8 months

### **JOB PURPOSE:**

To undertake research in the physics of the solar atmosphere within the Astrophysics Research Centre of the School of Mathematics and Physics.

### **MAJOR DUTIES:**

1. Undertake research in the physics of the solar atmosphere in collaboration with members of the Astrophysics Research Centre.
2. Present results at national and international conferences.
3. Publish results in high-impact astronomical journals at a rate that at least matches your peer group.
4. Help supervise and support postgraduate students working in this area.
5. Read academic papers, journals and textbooks to keep abreast of developments.
6. 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 about to obtain a PhD in the physics of the solar atmosphere.
2. Substantial recent relevant experience in:
  - The reduction and analysis of solar observations from satellite-borne or ground-based instruments.
  - The reduction and analysis of solar spectropolarimetric observations.
  - High quality refereed publications in the field, commensurate with career stage.
3. Ability to contribute to broader management and administrative processes.
4. Contribute to the School's outreach programme.
5. Ability to contribute to method improvement where required.
6. Must be prepared to spend considerable time away from home due to commitments associated with the post.
7. Ability to interact with research colleagues and support staff.
8. Ability to analyse and communicate effectively.
9. Demonstrable intellectual ability.

### **DESIRABLE CRITERIA:**

1. PhD awarded.
2. Experience in high spatial and temporal resolution solar observations.
3. Experience with the SolarSoft and/or python computing environments.
4. First-author refereed publications on spectropolarimetry, commensurate with career stage.
5. Experience with Artificial Intelligence and/or Machine Learning for astronomy applications.
6. Demonstrated observational background.

### **ADDITIONAL INFORMATION:**

Informal enquiries may be directed to: Dr Ryan Campbell - [ryan.campbell@qub.ac.uk](mailto:ryan.campbell@qub.ac.uk)