Role profile

Job title
Research Fellow/Associate in galaxy evolution

Job family and level
Research and Teaching Level 4

School/Department
School of Physics and Astronomy

Location
University Park Campus

Purpose of role
The purpose of this role will be to support the principal investigator and the international WEAVE-LOFAR research team in conducting research with WEAVE-LOFAR data. WEAVE-LOFAR is the largest of the extragalactic surveys to be conducted with the new multi-object spectrograph (WEAVE) on the William Herschel Telescope in La Palma. The post holder will be expected to undertake independent research as well as leading subgroups for data management and data quality control. The role will involve working with Dr Nina Hatch and Prof. Mike Merrifield, as part of the large international WEAVE collaboration.

The role holder will have the opportunity to use their initiative and creativity to identify areas for research, develop research methods and extend their research portfolio.

Main responsibilities
(Primary accountabilities and responsibilities expected to fulfil the role)

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<th>% time per year</th>
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- To build internal and external contacts to develop knowledge and understanding, forming relationships for future collaborations
## Person specification

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<th>Essential</th>
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| **Skills**                | ▪ Excellent oral and written communication skills, including the ability to communicate with clarity on complex information.  
▪ Excellent inter-personal skills  
▪ Analytical ability to facilitate conceptual thinking, innovation and scientific creativity.  
▪ High analytical ability to analyse data, interpret reports, evaluate and criticise texts and bring new insights. 
▪ Ability to build relationships and collaborate with others, both internally and externally.  
▪ Ability to lead and manage a working group.  
▪ Ability to programme in high-level computer languages.  
▪ Proficient use of Linux Systems                                                                                           |  
| **Knowledge and experience** | ▪ Proven track record in extragalactic astronomy.  
▪ Experience with spectroscopic data or large astronomical surveys.  
▪ Experience with analysis software for astronomical data.  
▪ Development of new projects to exploit innovative data.  
▪ Experience with observational data.                                                                                           | ▪ Experience with large spectroscopic surveys                                                                                           |
| **Qualifications, certification and training (relevant to role)** | ▪ BSc/MPhys Degree (or equivalent) in a Physics related subject  
▪ PhD (or equivalent) in Astronomy or a closely related subject (or PhD nearing completion).  
▪ Experience with large spectroscopic surveys                                                                                           |  

The University of Nottingham is focused on embedding equality, diversity and inclusion in all that we do. As part of this, we welcome a diverse population to join our workforce and therefore encourage applicants from all communities, particularly those with protected characteristics under the Equality Act 2010.
Expectations and behaviours

The University has developed a clear set of core expectations and behaviours that our people should be demonstrating in their work, and as ambassadors of the University's strategy, vision and values. The following are essential to the role:

**Valuing people**  
Is friendly, engaging and receptive, putting others at ease. Actively listens to others and goes out of way to ensure people feel valued, developed and supported.

**Taking ownership**  
Is clear on what needs to be done encouraging others to take ownership. Takes action when required, being mindful of important aspects such as Health & Safety, Equality, Diversity & Inclusion, and other considerations.

**Forward thinking**  
Drives the development, sharing and implementation of new ideas and improvements to support strategic objectives. Engages others in the improvement process.

**Professional pride**  
Is professional in approach and style, setting an example to others; strives to demonstrate excellence through development of self, others and effective working practices.

**Always inclusive**  
Builds effective working relationships, recognising and including the contribution of others; promotes inclusion and inclusive practices within own work area.

Key relationships with others

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Line manager     Dr N Hatch

Role holder

Research Associate

Key stakeholder relationships

WEAVE-LOFAR QAG team
WEAVE Knowledge Hub
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