POSITION DESCRIPTION

Postdoctoral Fellow

<table>
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<tr>
<th>Position Level</th>
<th>Level A</th>
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<tr>
<td>Faculty/Division</td>
<td>Science</td>
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<tr>
<td>Position Number</td>
<td>00093790</td>
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<td>Original document creation</td>
<td>2/06/2021</td>
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Position Summary

The Postdoctoral Fellow will analyse multi-wavelength observations taken with ground and spaced based telescopes to study gravitational lensing systems. The Postdoc will measure observed properties and compare to predictions from cosmological simulations to publish results in international refereed journals.

The role of Postdoctoral Fellow reports to Kim-Vy Tran and has no direct reports.

Accountabilities

Specific accountabilities for this role include:

- Perform research on galaxy evolution and formation using multi-wavelength observations and comparing to theoretical models.
- Apply for telescope time and lead observing runs.
- Contribute to the overall research output of the team by publishing refereed research papers and presenting results at conferences.
- Contribute to the overall Astronomy Group culture by helping to organise seminars, visitors, and events.
- Collaborate with other members of the research group and help mentor PhD and Honours students.
- Conduct research with and work collaboratively within the ASTRO 3D Centre of Excellence, especially the Galaxy Evolution Project.
- Align with and actively demonstrate the UNSW Values in Action: Our Behaviours and the UNSW Code of Conduct.
- Cooperate with all health and safety policies and procedures of the university and take all reasonable care to ensure that your actions or omissions do not impact on the health and safety of yourself or others.
Skills and Experience

- A PhD in Astronomy and Astrophysics or related discipline prior to starting the position.
- Experience with optical/near-infrared spectroscopy and/or modelling of gravitational lenses is preferred.
- Demonstrated ability to conduct research and publish in leading international scientific journals.
- A research track record (relative to opportunity) in galaxy evolution using multi-wavelength observations as evidenced by conference presentations and publications.
- Demonstrated ability to work effectively as part of a research team and to contribute to the broader intellectual environment of the Astronomy Group and the School of Physics.
- An understanding of and commitment to UNSW’s aims, objectives and values in action, together with relevant policies and guidelines.
- Knowledge of health and safety responsibilities and commitment to attending relevant health and safety training

About this document

This Position Description outlines the objectives, desired outcomes, key responsibilities, accountabilities, required skills, experience and desired behaviours required to successfully perform the role.

This template is not intended to limit the scope or accountabilities of the position. Characteristics of the position may be altered in accordance with the changing requirements of the role.