



**Australian
National
University**

Position Description

College/Division:	ANU College of Science
Faculty/School/Centre:	Research School of Astronomy and Astrophysics
Department/Unit:	
Position Title:	Postdoctoral Fellow in Galactic Archaeology
Classification:	Academic Level A
Position No:	TBA
Responsible to:	Prof. Martin Asplund, Research School of Astronomy and Astrophysics
Number of positions that report to this role:	
Delegation(s) Assigned:	N/A

PURPOSE STATEMENT:

The Postdoctoral Fellowship is funded through the Australian Research Council Centre of Excellence for All Sky Astrophysics in 3D (ASTRO-3D) to work on the GALAH survey, an unprecedented stellar spectroscopic survey aimed at determining the chemical composition of one million stars throughout the Milky Way Galaxy. We welcome enthusiastic early career researchers with an exciting research program to complement and enhance our ongoing internationally leading programs in stellar astrophysics, origin of the elements, and the evolution of the Milky Way halo, disk, and bulge. The work of the Postdoctoral Fellow can be observational, theoretical or computational in nature.

KEY ACCOUNTABILITY AREAS:

Position Dimension & Relationships:

The Postdoctoral Fellow will collaborate with Prof. Martin Asplund and other members of his research group at Research School of Astronomy and Astrophysics, the Australian National University, the broader GALAH survey team, and the ASTRO3D community.

Role Statement:

Under the broad direction of Prof. Asplund, the Postdoctoral Fellow will:

1. Undertake internationally competitive research in the areas of Galactic archaeology and stellar physics, independently and as a member of the team.
2. Publish original and innovative results in international refereed journals, present research at academic seminars and at national and international conferences.
3. Collaborate with Prof. Asplund and other members of his research group at ANU, the international GALAH team, and the ASTRO3D community.
4. Assist in the supervision of undergraduate, honours, masters, and PhD students.
5. Comply with all ANU policies and procedures, and in particular those relating to work health and safety and equal opportunity
6. Partake in ASTRO-3D activities and comply with ASTRO-3D policies and procedures
7. Undertake other duties as required, consistent with the classification of the position.

SELECTION CRITERIA:

1. PhD (or awarding of a PhD within six months of appointment commencement) in astronomy, astrophysics or related field.
2. Appropriate record of refereed publications and independent research achievement in astronomy, astrophysics or related fields.
3. Demonstrated expertise in at least one of the following research areas: Stellar spectroscopy, stellar evolution, origin of the elements, Galactic archaeology, chemo-dynamical modelling of the Milky Way, galaxy simulations.
4. Potential to develop a research program of high international standing.
5. Demonstrated ability for effective oral and written communication of scientific results.
6. Demonstrated ability to work effectively both independently and within a team environment.
7. Ability and willingness to be involved in the supervision of undergraduate, honours, masters, and PhD students.
8. An understanding, as demonstrated in the application process, of equal opportunity principles and policies and a commitment to their application in a university context.

Supervisor/Delegate Signature:		Date:	28/10/2019
Printed Name:	Prof. Martin Asplund	Uni ID:	U4042723

References:
[General Staff Classification Descriptors](#)
[Academic Minimum Standards](#)



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Pre-Employment Work Environment Report

Position Details

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In accordance with the Occupational Health and Safety Act 1991 the University has a duty of care to provide a safe workplace for all staff.

- This form must be completed by the supervisor of the advertised position and forwarded with the job requisition to Appointments and Promotions Branch, Human Resources Division. Without this form jobs cannot be advertised.
- This form is used to advise potential applicants of work environment issues prior to application.
- Once an applicant has been selected for the position consideration should be given to their inclusion on the University's Health Surveillance Program where appropriate – see http://info.anu.edu.au/hr/OHS/_Health_Surveillance_Program/index.asp
Enrolment on relevant OHS training courses should also be arranged – see http://info.anu.edu.au/hr/Training_and_Development/OHS_Training/index.asp
- 'Regular' hazards identified below must be listed as 'Essential' in the Selection Criteria - see 'Employment Medical Procedures' at http://info.anu.edu.au/Policies/_DHR/Procedures/Employment_Medical_Procedures.asp

Potential Hazards

- Please indicate whether the duties associated with appointment will result in exposure to any of the following potential hazards, either as a **regular** or **occasional** part of the duties.

TASK	regular	occasional	TASK	regular	occasional
key boarding	<input checked="" type="checkbox"/>	<input type="checkbox"/>	laboratory work	<input type="checkbox"/>	<input type="checkbox"/>
lifting, manual handling	<input type="checkbox"/>	<input type="checkbox"/>	work at heights	<input type="checkbox"/>	<input type="checkbox"/>
repetitive manual tasks	<input type="checkbox"/>	<input type="checkbox"/>	work in confined spaces	<input type="checkbox"/>	<input type="checkbox"/>
catering / food preparation	<input type="checkbox"/>	<input type="checkbox"/>	noise / vibration	<input type="checkbox"/>	<input type="checkbox"/>
fieldwork & travel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	electricity	<input type="checkbox"/>	<input type="checkbox"/>
driving a vehicle	<input type="checkbox"/>	<input type="checkbox"/>			
NON-IONIZING RADIATION			IONIZING RADIATION		
solar	<input type="checkbox"/>	<input type="checkbox"/>	gamma, x-rays	<input type="checkbox"/>	<input type="checkbox"/>
ultraviolet	<input type="checkbox"/>	<input type="checkbox"/>	beta particles	<input type="checkbox"/>	<input type="checkbox"/>
infra red	<input type="checkbox"/>	<input type="checkbox"/>	nuclear particles	<input type="checkbox"/>	<input type="checkbox"/>
laser	<input type="checkbox"/>	<input type="checkbox"/>			
radio frequency	<input type="checkbox"/>	<input type="checkbox"/>			
CHEMICALS			BIOLOGICAL MATERIALS		
hazardous substances	<input type="checkbox"/>	<input type="checkbox"/>	microbiological materials	<input type="checkbox"/>	<input type="checkbox"/>
allergens	<input type="checkbox"/>	<input type="checkbox"/>	potential biological allergens	<input type="checkbox"/>	<input type="checkbox"/>
cytotoxics	<input type="checkbox"/>	<input type="checkbox"/>	laboratory animals or insects	<input type="checkbox"/>	<input type="checkbox"/>
mutagens/teratogens/	<input type="checkbox"/>	<input type="checkbox"/>	clinical specimens, including blood	<input type="checkbox"/>	<input type="checkbox"/>
carcinogens			genetically-manipulated specimens	<input type="checkbox"/>	<input type="checkbox"/>
pesticides / herbicides	<input type="checkbox"/>	<input type="checkbox"/>	immunisations	<input type="checkbox"/>	<input type="checkbox"/>
OTHER POTENTIAL HAZARDS (please specify):					

Supervisor's Signature:		Print Name:	Martin Asplund	Date:	28/10/2018
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