



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](#)

