



College/Division:	ANU College of Science
Faculty/School/Centre:	Research School of Astronomy and Astrophysics
Department/Unit:	
Position Title:	Postdoctoral Fellow
Classification:	Academic Level A
Position No:	TBC
Responsible to:	Professor Naomi McClure-Griffiths
Number of positions that report to this role:	NA
Delegation(s) Assigned:	

PURPOSE STATEMENT:

The ANU College of Science (CoS) comprises: the Research School of Astronomy and Astrophysics, the Research School of Biology, the Research School of Chemistry, the Research School of Earth Science, the Fenner School of Environment and Society, the Mathematical Sciences Institute, the Research School of Physics, and the Centre for the Public Awareness of Science. Staff and students within the ANU College of Science conduct research and delivers a research-led education program that encompasses the entire breadth of the sciences, supported by extensive international networks and by world-class facilities. The College has a strong tradition of research excellence that has fostered distinguished Nobel Laureates and Kyoto Prize winners and that trains scientific leaders in disciplines in which the ANU is consistently ranked in the top twenty in the world.

The Postdoctoral Fellow is expected to undertake work in all three areas of academic activity –research, education and service (including outreach). The allocation of time to each area will be discussed with the position supervisor annually and be reflective of the appointees research agenda, school and interdisciplinary teaching requirements and leadership opportunities within the School environment. The Postdoctoral Fellow may also be required to supervise or assist in the supervision of students, and contribute cooperatively to the overall intellectual life of the School, College and University.

The Postdoctoral Fellow will work with Professor Naomi McClure-Griffiths on the evolution of the Magellanic Clouds and/or Magellanic System with the Australian SKA Pathfinder (ASKAP).

POSITION DIMENSION AND RELATIONSHIPS:

The Postdoctoral/Research Fellow will report to Professor Naomi McClure-Griffiths and be based within the Research School of Astronomy and Astrophysics, Mount Stromlo facilities in Canberra. The position will operate in partnership with other academic researchers within the School, CSIRO Astronomy & Space Science, and other Australian and international Universities.

Role Statement:

In their role as an Academic Level A the Postdoctoral Fellow is expected to:

1. Undertake internationally competitive research in galaxy and/or interstellar medium evolution with a view to publishing original and innovative results in refereed journals, present research at academic seminars and at national and international conferences, and collaborate with other researchers at a national and/or international level.
2. Collaborate with senior staff to actively seek and secure external funding, assist to prepare and submit research proposals to external funding bodies as appropriate.
3. Contribute to the successful commencement of ASKAP survey science, including data verification and scientific analysis.
4. Supervise students working on individual or group projects at undergraduate, honours, graduate-coursework levels. Assist with supervision of research students.
5. Assist to supervise research support staff in your research area.
6. Actively contribute to all aspects of the operation of the School.
7. Assist in outreach activities including to prospective students, research institutes, industry, government, the media and the general public.
8. Maintain high academic standards in all education, research and administration endeavours.
9. Take responsibility for their own workplace health and safety and not willfully place at risk the health and safety of another person in the workplace.

10. A demonstrated understanding of equal opportunity principles and policies and a commitment to their application in a university context.
11. Other duties as required that are consistent with the classification of the position.

Skill Base

A Level A academic will work with the support and guidance from more senior academic staff and is expected to develop their expertise in teaching and research with an increasing degree of autonomy. A Level A academic will normally have completed four years of tertiary study or equivalent qualifications and experience and may be required to hold a relevant higher degree.

A Level A academic will normally contribute to teaching at the institution, at a level appropriate to the skills and experience of the staff member, engage in scholarly, research and/or professional activities appropriate to their profession or discipline, and undertake administration primarily relating to their activities at the institution. The contribution to teaching of Level A academics will be primarily at undergraduate and graduate diploma level.

SELECTION CRITERIA:

1. A PhD (or awarding of a PhD within six months of appointment commencement) in astronomy, astrophysics , or a related area with a demonstrated aptitude for research. A strong publication record is desirable.
2. Evidence of the ability to articulate and prosecute innovative research in the field of astronomy and astrophysics including experience in radio interferometry and/or large survey management
3. An ability and commitment to contribute to bids for competitive external funding to support individual and collaborative research activities.
4. Evidence of an ability and willingness to teach at all levels.
5. The ability to assist in the supervision of students working on research projects.
6. The ability to work as part of a team and to meet deadlines.
7. Excellent oral and written English language skills and a demonstrated ability to communicate and interact effectively with a variety of staff and students in a cross-disciplinary academic environment and to foster respectful and productive working relationships with staff, students and colleagues at all levels.
8. A demonstrated understanding of equal opportunity principles and policies and a commitment to their application in a university context.

Delegate Signature:		Date:	
Printed Name:	Professor Naomi McClure-Griffiths	Position:	

References:

[Academic Minimum Standards](#)



College/Division:	ANU College of Science
Faculty/School/Centre:	Research School of Astronomy and Astrophysics
Department/Unit:	
Position Title:	Research Fellow
Classification:	Academic Level B
Position No:	TBC
Responsible to:	Professor Naomi McClure-Griffiths
Number of positions that report to this role:	TBC
Delegation(s) Assigned:	

PURPOSE STATEMENT:

The ANU College of Science (CoS) comprises: the Research School of Astronomy and Astrophysics, the Research School of Biology, the Research School of Chemistry, the Research School of Earth Science, the Fenner School of Environment and Society, the Mathematical Sciences Institute, the Research School of Physics, and the Centre for the Public Awareness of Science. Staff and students within the ANU College of Science conduct research and delivers a research-led education program that encompasses the entire breadth of the sciences, supported by extensive international networks and by world-class facilities. The College has a strong tradition of research excellence that has fostered distinguished Nobel Laureates and Kyoto Prize winners and that trains scientific leaders in disciplines in which the ANU is consistently ranked in the top twenty in the world.

The Research School of Astronomy & Astrophysics (RSAA) is a leading centre of Astronomy research in Australia. Our astronomers have won the Nobel Prize, the Prime Minister's Science Prize, and Australian Research Council Laureate, Federation, and Future Fellowships. RSAA astronomers are members of the National Academies of Science in Australia, the USA, the UK, the Netherlands, and Spain. Researchers at RSAA undertake studies in the evolution of galaxies, cosmology, planets and the interstellar medium. The radio astronomy group at RSAA has been rapidly growing and now includes 11 members studying both gas and magnetic fields in galaxies.

The Research Fellow is expected to undertake work in all three areas of academic activity –research, education and service (including outreach). The allocation of time to each area will be discussed with the position supervisor annually and be reflective of the appointees research agenda, school and interdisciplinary teaching requirements and leadership opportunities within the School environment. The Research Fellow may also be required to supervise or mentor less senior staff, and undertake leadership roles as applicable. The staff member will contribute cooperatively to the overall intellectual life of the School, College and University.

The Research Fellow will work with Professor Naomi McClure-Griffiths on the evolution of the Magellanic Clouds and Magellanic System or Milky Way using the Australian SKA Pathfinder (ASKAP).

POSITION DIMENSION AND RELATIONSHIPS:

The Postdoctoral/Research Fellow will report to Professor Naomi McClure-Griffiths and be based within the Research School of Astronomy and Astrophysics, Mount Stromlo facilities in Canberra. The position will operate in partnership with other academic researchers within the School, CSIRO Astronomy & Space Science, and other Australian and international Universities. The Research Fellow will be expected to work collegially, leading by example to develop and maintain effective, productive and beneficial workplace relationships within the all academic and professional School and College staff, students and honorary appointees, as well as with industry stakeholders. This position will also have a mentoring role for students and will engage in collegial and productive collaborations with local, national and where possible, international colleagues.

Role Statement:

In their role as an Academic Level B the Research Fellow is expected to:

1. Undertake internationally competitive research in galaxy and/or interstellar medium evolution with a view to publishing original and innovative results in refereed journals, present research at academic seminars and at national and international conferences, and collaborate with other researchers at a national and/or international level.

2. Actively seek and secure external funding including the preparation and submission of research proposals to external funding bodies.
3. Contribute to the successful commencement of ASKAP commencement survey science, including data verification and scientific analysis.
4. Supervise students working on individual or group projects at undergraduate, honours, graduate-coursework levels. Supervision of research students.
5. Supervise Postdoctoral Fellow's and research support staff in your research area.
6. Actively contribute to all aspects of the operation of the School. This may include representation through committee memberships.
7. Assist in outreach activities including to prospective students, research institutes, industry, government, the media and the general public.
8. Maintain high academic standards in all education, research and administration endeavours.
9. Take responsibility for their own workplace health and safety and not willfully place at risk the health and safety of another person in the workplace.
10. A demonstrated understanding of equal opportunity principles and policies and a commitment to their application in a university context.
11. Other duties as required that are consistent with the classification of the position.

Skill Base

A Level B academic will undertake independent teaching and research in their discipline or related area. In research and/or scholarship and/or teaching a Level B academic will make an independent contribution through professional practice and expertise and coordinate and/or lead the activities of other staff, as appropriate to the discipline.

A Level B academic will normally contribute to teaching at undergraduate, honours and postgraduate level, engage in independent scholarship and/or research and/or professional activities appropriate to their profession or discipline. The academic will normally undertake administration primarily relating to their activities at the institution and may be required to perform the full academic responsibilities of and related administration for the coordination of an award program of the institution.

SELECTION CRITERIA:

1. A PhD or equivalent in astronomy, astrophysics or a related area, with a track record of independent research as evidenced by publications in peer-reviewed journals and conferences, a record of developing and maintaining collaborations and by other measures such as awards, and invitations to present at conferences.
2. Evidence of the ability to articulate and prosecute innovative research in the field of astronomy and astrophysics including expertise in radio interferometry and/or later survey management.
3. A demonstrated ability and commitment to apply for competitive external funding to support individual and collaborative research activities.
4. An ability to supervise and graduate high quality PhD/Masters research students.
5. The demonstrated ability to work as part of a team, contributing to team management and a demonstrated ability to meet deadlines.
6. Excellent oral and written English language skills and a demonstrated ability to communicate and interact effectively with a variety of staff and students in a cross-disciplinary academic environment and to foster respectful and productive working relationships with staff, students and colleagues at all levels.
7. A demonstrated understanding of equal opportunity principles and policies and a commitment to their application in a university context.

Delegate Signature:		Date:	
Printed Name:		Position:	

References:

[Academic Minimum Standards](#)