

Research position in astrophysics

Manly Astrophysics invites applications for one or more new scientific research positions working with Dr Mark Walker. The projects undertaken by the appointee will build on their own research strengths and on the existing strengths at the institute; in addition the appointee will be expected to broaden their professional repertoire of skills and expertise. Recent research projects at Manly Astrophysics have typically involved collaboration with scientists at other institutions, and have often been at the interface between theory and observation; the topics addressed vary widely in their specifics but a recurring theme is the physics of baryonic dark matter.

Manly Astrophysics is a small, privately funded research organisation. Pay levels are patterned after the Australian university sector and include 17% superannuation; applicants at Level A or B are preferred, but a more senior appointment is possible.

Women, minorities, and those seeking part-time employment are encouraged to apply. Flexible work arrangements are the norm.

Duration: 3 years (first year probationary)

Closing date: 31st January 2021

Application materials:

1. A letter (up to 3 pages) in which the applicant describes their own background, outlook, and scientific aspirations. Applicants are welcome to include suggestions for specific research directions that they might tackle at the institute.
2. An up-to-date curriculum vitae
3. The names and contact details of two referees
4. A list of publications

Applicants should aim to communicate clearly their technical skills and professional strengths as they see them. Preferences for appointment fraction, starting date etc should be expressed.

The appointee must be able to work legally in Australia, so Australian citizenship or a permanent resident visa is a prerequisite.

Essential requirements (applicants should have all of these):

1. A PhD in physics, astronomy or a related field
2. Good communication skills in written and spoken English
3. Willingness to develop new and diverse technical skills

Desirable attributes (applicants should have some of these):

1. A facility for theoretical modelling of physical systems, or experience with observational astronomy
2. Fluency in one of the widely used programming languages (e.g. Python, C, ...)
3. Imagination, creativity and the ability to innovate
4. A broad knowledge of astrophysics, including observation and instrumentation

More information on the institute and its current activities can be found at www.manlyastrophysics.org

Applications should arrive by 31st Jan 2021

The preferred format is a single pdf submission to mark.walker@manlyastrophysics.org

but applications may alternatively be sent in hardcopy to
Dr Mark Walker
Manly Astrophysics
15/41-42 East Esplanade
Manly
NSW 2095