# Postdoctoral Fellowship – CSOF4

Role summary for potential applicants

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| Advertised Job Title**:** | Bolton Postdoctoral Fellow - Radio Astronomy |
| Reference Number**:** | 58415 |
| Classification**:** | CSOF4 |
| Salary Range: | AU $82K to AU $93K plus up to 15.4% superannuation |
| Location**:** | Sydney NSW or Perth WA |
| Tenure: | Specified Term of 3 years |
| Relocation assistance**:** | Will be provided to the successful candidate if required. |
| Applications are open to: | All Candidates |
| Functional Area**:** | Research Scientist / Engineer - Postdoc |
| % Client Focus - Internal: | 50% |
| % Client Focus - External: | 50% |
| Reports to the: | Group Leader – ATNF Science Group |
| Number of Direct Reports: | 0 |

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| **Role Overview:** |
| **Postdoctoral Fellowships** at CSIRO provide opportunities to scientists and engineers, who have completed their doctorate and have less than three years relevant postdoctoral work experience. These fellowships will help launch their careers, provide experience that will enhance their career prospects, and facilitate the recruitment and development of potential leaders for CSIRO.  Postdoctoral Fellows **are appointed for up to three years** and will work closely with a leading Research Scientist or Engineer in their respective field. They carry out innovative, impactful research of strategic importance to CSIRO with the possibility of novel and important scientific outcomes. They present the findings in appropriate publications and at conferences.  The Bolton Fellowship is Australia's longest standing prize fellowship and provides an outstanding opportunity for post-doctoral research in Australia. The Bolton Fellowship is designed to help young scientists build strong careers as independent researchers. Bolton Fellows are encouraged to undertake independent research and/or development in any area relevant to the Australia Telescope National Facility (ATNF) observational capabilities. |

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| **Duties and Key Result Areas:** |
| * In collaboration with senior research scientists, carry out innovative, impactful astrophysics research of strategic importance to CSIRO that will, where possible, lead to novel and important scientific outcomes. * Present results at major international conferences * Enhance and support the Australia Telescope National Facility * Produce high quality scientific and/or engineering papers suitable for publication in quality journals. * Present results at conferences as agreed with your supervisor. * Contribute to the development of innovative concepts and ideas for further research. * Make a contribution to the effective functioning of the research team and help deliver CSIRO’s organisational objectives and plans. * Work collaboratively with colleagues within your team, the business unit and across CSIRO. * Communicate effectively and respectfully with all staff, clients and suppliers in the interests of good business practice, collaboration and enhancement of CSIRO’s reputation. * Adhere to the spirit and practice of CSIRO’s Values, Health, Safety and Environment plans and policies, Diversity initiatives and Zero Harm goals. * Undertake an appropriate training and development program developed by CSIRO. * Other duties as directed.   ***CSIRO’s postdoctoral training program***is developed between the Postdoctoral Fellow and a CSIRO scientist. The program will focus on enhancing the Fellows’ capabilities to the level expected of an independent researcher and will include on-the-job and course-based development encompassing:   * Discipline-specific techniques and protocols * Professional growth * Project management * Communication and influencing skills * Working and collaborating with others   <http://www.csiro.au/en/Careers/Student-and-graduate-programs/Postdoctoral-fellowships> |

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| **Selection Criteria:** |
| *Under CSIRO policy only those who meet all essential criteria can be appointed*  ***Pre-Requisites:***   * **Education/Qualifications:** A doctorate (or will shortly satisfy the requirements of a PhD) in astronomy, astrophysics or a closely related discipline*.*   ***Please note:*** *To be eligible for this role you must have* ***no more than 3 years*** *of relevant postdoctoral experience.*   * **Communication: High level written and oral communication skills with the ability to represent the research team effectively internally and externally, including at national and international conferences.** * **Publications: A record of publications in quality, peer reviewed journals.** * **Behaviours:** A history of professional and respectful behaviours and attitudes in a collaborative environment.   ***Essential Criteria:***   1. Demonstrated research interest and expertise in Radio Astronomy 2. A strong research plan, submitted as part of the job application, indicating your future research directions, including the goals outlined in this Position Description. 3. **The ability to work effectively as part of a multi-disciplinary, regionally dispersed research team, plus the motivation and discipline to carry out autonomous research.** 4. A record of science innovation and creativity, plus the ability & willingness to incorporate novel ideas and approaches into scientific investigations.   **CSIRO Values:**  As Australia’s Innovation Catalyst, CSIRO has strategic actions underpinned by behaviours aligned to Excellent science, Inclusion, trust & respect, Health, safety & environment and Delivering on commitments.  In your application and at interview you will need to demonstrate alignment with these behaviours.  To be appointed as a Postdoctoral Fellow within CSIRO, candidates are required to have **submitted** their PhD at the time of commencement, as a minimum requirement, if PhD conferment has not been obtained. If a candidate has submitted, but their PhD has not yet been formally attained, the starting salary will be CSOF4-1 (AU$80,833 per annum).Upon CSIRO receiving written confirmation that the PhD has been awarded (within a six month period from commencement date), the salary will be increased to the negotiated level and the difference will be back-paid to the Officer’s start date.  ***Other special requirements:***  *Appointment to this role may be subject to conditions including security/medical/character clearance requirements. Applicants who are not Australian Citizens or Permanent Residents may be required to undergo additional security clearance processes; which may include medical examinations and an international standardised test of English language proficiency (i.e. IELTS test).-* [*http://www.ielts.org/default.aspx*](http://www.ielts.org/default.aspx) |

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| **Other Information:** |
| **How to Apply**  Please apply for this position online at [www.csiro.au/careers](http://www.csiro.au/careers). You may be asked to provide additional information (online) relevant to the selection criteria. If so, then responding will enhance your application so please take the time to provide relevant succinct answers. Applicants who do not provide the information when requested may not be considered.  If you experience difficulties applying online call 1300 301 509 and someone will be able to assist you. Outside business hours please email: [csiro-careers@csiro.au](mailto:csiro-careers@csiro.au).  **Referees**: If you do not already have the names and contact details of two previous supervisors or academic/ professional referees included in your resume/CV please add these before uploading your CV.  **Contact:** If after reading the selection documentation you require further information please contact:  Dr Matthew Whiting via email: [Matthew.Whiting@csiro.au](mailto:Matthew.Whiting@csiro.au) or phone: +61 2 9372 4683  Please do not email your application directly to Dr Whiting. Applications received via this method will not be considered.    **About CSIRO**  Australia is founding its future on science and innovation. Its national science agency, the Commonwealth Scientific and Industrial Research Organisation (CSIRO) is a powerhouse of ideas, technologies and skills for building prosperity, growth, health and sustainability. It serves governments, industries, business and communities across the nation.  Find out more! [www.csiro.au](http://www.csiro.au).  **CSIRO Astronomy and Space Science (CASS)** provides facilities for scientists from Australia and around the world to explore our solar system and beyond. CASS operates a number of world-class radio astronomy observatories that are collectively known as the Australia Telescope National Facility (ATNF). These include the Parkes 64m diameter radio telescope, the Australia Telescope Compact Array at Narrabri and the Mopra radio telescope, near Coonabarabran. CSIRO also operates NASA’s Canberra Deep Space Communication Complex (CDSCC) located in Tidbinbilla, on the outskirts of Canberra. CSIRO is now commissioning the Australian Square Kilometre Array Pathfinder (ASKAP) telescope at the Murchison Radio-astronomy Observatory (MRO) in Western Australia and this will be operated as part of the ATNF. The CASS headquarters are in Marsfield, Sydney.  Find out more about CASS at <http://www.csiro.au/org/CASS> and the Australia Telescope National Facility (ATNF) at <http://www.atnf.csiro.au/>  **What CSIRO offers you**  Bolton Fellows may choose to be based either at the CASS offices in Sydney or Perth, Australia. Sydney and Perth are both cosmopolitan, multi-cultural cities with beaches within an easy commute from many suburbs. The Sydney astronomical community consists of researchers at the ATNF, the University of Sydney, the University of New South Wales, Macquarie University and Western Sydney University. Perth also offers a vibrant research community, with the International Centre for Radio Astronomy Research located at the nearby University of Western Australia and Curtin University campuses.  A generous discretionary research allowance will be available, together with assistance with relocation and other benefits, including health insurance. CSIRO offers all staff [flexible working arrangements](https://www.csiro.au/en/Careers/A-great-place-to-work/Work-life-balance) as standard. We offer a vibrant and collaborative work environment. CSIRO actively supports a safe, healthy and enriching working environment for all staff. |