# Postdoctoral Fellowship – CSOF4

Role summary for potential applicants

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| Advertised Job Title**:** | STEM + Postdoctoral Fellowship Synthetic Organic/ Medicinal Chemistry |
| Reference Number**:** | 52256 |
| Classification**:** | CSOF4 |
| Salary Range: | AU $80K to AU $91K plus up to 15.4% superannuation |
| Location**:** | Clayton, Victoria Australia |
| Tenure: | Specified Term of 2 years commencing early 2018 |
| Relocation assistance**:** | Will be provided to the successful candidate if required |
| Applications are open to: | * Australian Citizens and Permanent Residents Only
* *For Specified Term positions, we will accept applications from Temporary Residents with working rights for the length of the term, who do not require sponsorship.*
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| Functional Area**:** | Research Scientist / Engineer – Postdoc |
| % Client Focus - Internal: | 0% |
| % Client Focus - External: | 100% |
| Reports to the: | Project Leader |
| Number of Direct Reports: | 0 |

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| **Role Overview:** |
| **Postdoctoral Fellowships** at CSIRO provide excellent development opportunities to scientists and engineers, who have completed their doctorate and have less than four 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 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. The role will assist the fellow’s development as an independent researcher however due to the confidential nature of the project there may be limited opportunities for the fellow to generate publications.This role is being offered under the STEM+ Business Fellowship Program which provides opportunities for early career researchers to build new skills and relationships with industry. The STEM+ program is an initiative of the Science and Industry Endowment Fund (www.sief.org.au). The industrial partner for this project is MecRx, a Melbourne based biotech start-up who have recently secured $4 million in investment from the Medical Research Commercialisation Fund to advance their drug discovery programs. The role will require the use of synthetic organic chemistry skills towards the application of a medicinal chemistry project based around oncogenic targets. The successful applicant will join MecRx’s established, multi-disciplinary project team and will be primarily based with the chemistry group at CSIRO, Clayton. |

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| **Duties and Key Result Areas:** |
| * Under the direction of senior research scientists, carry out innovative, impactful research of strategic importance to MecRx that will, where possible, lead to novel and important scientific outcomes.
* Design and reduce to practice syntheses to support the medicinal chemistry program.
* Contribute to the development of innovative concepts and ideas for further research.
* Work collaboratively with colleagues within your team, the business unit and across CSIRO and MecRx.
* Perform novel chemical synthesis in support of the MecRx program and to purify and analyse the produced compounds to agreed standards.
* Work with MecRx's experienced medicinal chemists to develop the lead compounds with the aim to produce new leads possessing increased efficacy, improved drug like properties and *in-vitro* on target activity. This will involve further chemical synthesis of the developed compounds.
* 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:***1. **Education/Qualifications:** A doctorate (or will shortly satisfy the requirements of a PhD) in a relevant discipline area, such as synthetic organic chemistry or medicinal chemistry.

***Please note:*** *To be eligible for this role you must have* ***no more than 4 years*** *of relevant postdoctoral experience.* 1. **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.**
2. **Publications: A track record of high impact journal publications.**
3. **Collaboration:** A history of professional and respectful behaviours and attitudes in a collaborative environment.

***Essential Criteria:***1. Demonstrated experience in the performance of multi-step organic synthesis on a variety of scales from mg to multigram.
2. Demonstrated ability in the design of novel pathways to target molecules utilising both literature searching and a comprehensive knowledge of modern synthetic chemistry techniques.
3. Demonstrated competence and experience in modern analytical techniques and their application to synthetic chemistry.
4. **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.**
5. A record of science innovation and creativity, plus the ability & willingness to incorporate novel ideas and approaches into scientific investigations.

**As Australia’s Innovation Catalyst, CSIRO has strategic actions underpinned by behaviours aligned to**:* Excellent science
* Inclusion, trust & respect
* Health, safety & environment
* Delivery 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 $80,833. 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. |

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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 984 220 and someone will be able to assist you. Outside business hours please email: 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 Mark Yorkvia email: Mark.York@csiro.auPlease do not email your application directly to Dr York. 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). **About CSIRO Manufacturing** Australian manufacturing is changing focus from heavy industry to high tech products based on sustainable, advanced manufacturing processes. Our science and engineering skills, equipment and international connections are helping Australian manufacturers be globally competitive. At Biomedical Manufacturing we work with biomedical companies to deliver new medical treatments and technologies that benefit millions of people in Australia and overseas, helping them live longer, healthier and more productive lives. |