# Position Details

## Research Projects- CSOF4

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| The following information is for applicants | |
| Advertised Job Title | Protein Purification Scientist |
| Job Reference | 72551 |
| Tenure | Specified Term of 3 years  Full-time |
| Salary Range | AU$83,687 to AU$94,679 pa (pro-rata for part-time) + up to 15.4% superannuation |
| Location(s) | Melbourne (Parkville for approximately the first 6 months and then Clayton) |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | * Australian/New Zealand Citizens and Australian Permanent Residents * Australian temporary residents who are currently residing in Australia and have the right to work for the expected duration of the term with no requirement for sponsorship. |
| Position reports to the | Protein Production Team Leader |
| Client Focus – Internal | 10% |
| Client Focus – External | 90% |
| Number of Direct Reports | 0 |
| Enquire about this job | * Contact Judy Scoble via email at judy.scoble@csiro.au or phone +61 3 9662 7181 |
| How to apply | Apply online at <https://jobs.csiro.au/>  Internal applicants please apply via **Jobs Central**  If you experience difficulties when applying, please email [careers.online@csiro.au](mailto:careers.online@csiro.au) or call 1300 984 220. |

### Role Overview

The role of Research Projects staff in CSIRO is to collaborate in scientific and technological activities with other research staff usually by assisting with detailed planning, undertaking or assisting with experimental, observational or technology development work, and in carrying out the more practical aspects of the work.

The Protein Production team engages with Australian Biotech and Biomedical researchers, producing and purifying proteins to enable their research to grow. Our clients are from academic institutions, SMEs or large biotech companies, and the projects vary from research grade materials to manufacture of biologics for clinical trials. We produce proteins from milligram to multi-gram scale, from microbial, insect or mammalian cells, with the proteins untagged or tagged, soluble or insoluble.

The Protein Purification Scientist will interact with clients to understand their needs and assist with project planning and budgeting. The role will develop suitable purification schemes and carry out the purification. The position will present reports to clients (written and verbal).

### Duties and Key Result Areas

* Liaise with clients to understand their needs and develop research proposals and budgets for small projects.
* Carry out protein purification research including developing novel processes and applying established processes including affinity, ion exchange, size exclusion and other methods.
* Protein analysis including SDS-PAGE, SEC, ELISA, endotoxin and other methods as required.
* Under general direction, contribute to research and technology through the development of original and adapted experimental methods, equipment or software.
* Undertake a wide variety of tasks or tasks with a high degree of specialisation.
* Show initiative to seek new approaches to meet experimental or technological needs when encountering new problems where methods are not defined.
* Participate in the identification and definition of research and technological problems with colleagues.
* Attend client meetings as required which may be conducted remotely or involve travelling to the client site.
* Address problems promptly and in a constructive manner.
* Participate in planning projects and accept responsibility for scheduling and completion of major parts of the project, including evaluation of options, experimental design, data collection and analysis.
* Make significant contributions to the interpretation and communication of research or technological results and draft presentations to, and/or detailed written reports for, clients and the scientific and/or technology community.
* Maintain safe work practices when working with hazardous chemicals or equipment.
* Maintain confidentiality when dealing with commercially sensitive information.
* Communicate openly, effectively and respectfully with all staff, clients and suppliers in the interests of good business practice, collaboration and enhancement of CSIRO’s reputation.
* Work collaboratively as part of a multi-disciplinary, regionally dispersed research team to carry out tasks in support of CSIRO’s scientific objectives.
* Adhere to the spirit and practice of CSIRO’s Values, Code of Conduct, Health, Safety and Environment procedures and policy, Diversity initiatives and Making Safety Personal goals.
* Other duties as directed.

## **Required Competencies**

* **Teamwork and Collaboration:** Cooperates with others to achieve organisational objectives and may share team resources in order to do this. Collaborates with other teams as well as industry colleagues.
* **Influence and Communication:** Uses knowledge of other party's priorities and adapts presentations or discussions to appeal to the interests and level of the audience. Anticipates and prepares for others reactions.
* **Resource Management/Leadership:** Allocates activities, directs tasks and manages resources to meet objectives. Provides coaching and on the job training, recognises and supports staff achievements and fosters open communication in the team.
* **Judgement and Problem Solving:** Investigates underlying issues of complex and ill-defined problems and develops appropriate response by adapting/creating and testing alternative solutions.
* **Independence:** Recognise and makes immediate changes to improve performance (faster, better, lower cost, more efficiently, better quality, improved client satisfaction).
* **Adaptability:**Copes with ambiguity or situations that lack clarity. Adapts readily to changing circumstances and new responsibilities (which may include activities outside own preferences) in the interests of achieving team objectives. Recognises the need for and undertakes personal development as a result of changes.

## **Selection Criteria**

#### Essential

*Under CSIRO policy only those who meet all essential criteria can be appointed.*

1. Relevant bachelor’s degree or equivalent relevant work experience in biology, chemistry, biochemistry or a related field.
2. Extensive experience in protein purification using chromatographic methods (affinity, ion exchange, size exclusion and other methods).
3. Demonstrated experience with automated protein purification.
4. Competence in protein analysis via SDS-PAGE including Western blotting, size exclusion chromatography.
5. Demonstrated customer focus in delivering services, including the ability to anticipate and resolve problems with practical and positive solutions taking into account the needs of the business.
6. The ability to work effectively in a team environment, proactively collaborating and consulting with internal and external stakeholders and customers, as well as sharing resources to accomplish objectives.
7. Excellent oral and written communication skills.
8. Good problem-solving skills coupled with the proven ability to work on a number of projects concurrently.
9. A valid driver's licence.

## **Desirable**

1. Good knowledge of Cytiva Pure chromatography machines and Unicorn software.
2. Experience in membrane protein purification.
3. Experience in untagged protein purification.
4. Experience in protein expression in microbial, insect or mammalian systems.
5. Experience in protein refolding.
6. Experience in developing enzyme assays or ELISAs.

Special Requirements

Appointment to this role may be subject to conditions including provision of a national police check as well as other security/medical/character clearance requirements.

* The successful candidate will be asked to obtain and provide evidence of a National Police Check or equivalent. Please note that people with criminal records are not automatically deemed ineligible. Each application will be considered on its merits.
* If the successful candidate is not an Australian Citizen or Permanent Resident, they may be required to undergo additional security clearances, which may include medical examinations and an international standardised test of English language proficiency (i.e. IELTS test).- https://ielts.com.au/
* To be willing and able to travel locally and interstate as required.
* The successful candidate will commence working at the Parkville site in Melbourne but will transfer to Clayton later in 2021.

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