# Position Details

## Research Projects- CSOF3

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| The following information is for applicants |
| Advertised Job Title | Protein Purification Technician |
| Job Reference | 80286 |
| Tenure | IndefiniteFull-time  |
| Salary Range | AU$66k to AU$84k pa (pro-rata for part-time) + up to 15.4% superannuation |
| Location(s) | Melbourne, Clayton VIC |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | Australian/New Zealand Citizens and Australian Permanent Residents Only |
| Position reports to the | Protein production team leader |
| Client Focus – Internal | 30% |
| Client Focus – External | 70% |
| Number of Direct Reports | 0 |
| Enquire about this job | Contact Olan Dolezal via email at olan.dolezal@csiro.au or phone +61 3 9662 7229 |
| 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 or call 1300 984 220. |

**Acknowledgement of Country**

CSIRO acknowledges the Traditional Owners of the land, sea and waters, of the area that we live and work on across Australia. We acknowledge their continuing connection to their culture and pay our respects to their Elders past and present. [View our vision towards reconciliation](https://www.csiro.au/en/about/Indigenous-engagement/Reconciliation-Action-Plan)

### Role Overview

Research Projects staff in CSIRO 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 the production of research-grade materials to the 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 Technician will interact with clients to understand their needs and assist with project planning. They will develop suitable purification schemes with input from more senior scientists and carry out the purification. They will contribute to client reports (written and verbal) as well as to Tech Transfer processes with the GMP team.

**Duties and Key Result Areas**

* Under limited supervision, design and perform straightforward experiments and routine laboratory analyses, design new processes or apparatus by adapting existing techniques and components to meet special circumstances or undertake modifications to methods requiring some innovation.
* Liaise with clients to understand their needs, respond courteously and efficiently to client requests, maintain clear communication regarding mutual expectations and monitor client satisfaction.
* Carry out protein purification research, with input from other scientists, including developing novel processes and applying established processes including affinity, ion exchange, size exclusion and other methods.
* Conduct protein analysis including spectrophotometric methods, enzyme assays, SDS-PAGE, ELISA, SEC etc.
* Draft reports and present results in written and oral communications with clients and team.
* Oversee the activities of less experienced staff and provide guidance on experimental/ technological techniques and protocols.
* Maintain confidentiality when working 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, often regionally dispersed research team, and business unit to carry out tasks in support of CSIRO’s scientific objectives.
* Adhere to the spirit and practice of CSIRO’s 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:** Proactively seeks and considers the ideas and opinions of others from within and outside the team to help form decisions, plans or actions.
* **Influence and Communication:** Puts forward ideas by presenting factual information supported by data, definitions, examples, illustrations or other aids, which will assist in conveying meaning.
* **Resource Management/Leadership:** Provides instruction and assists other staff to complete allocated tasks and activities.
* **Judgement and Problem Solving:** Identifies and considers the implications of a range of available alternatives in order to select the most appropriate response to problems of a familiar or recurring nature.
* **Independence:** Recognise and makes immediate changes to improve performance (faster, better, lower cost, more efficiently, better quality, improved client satisfaction).
* **Adaptability:**Willingness to change ideas or perceptions based on new information, contrary evidence or other people's points of view. Prepared to try out different approaches.

## **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 related field.
2. Experience in protein purification using chromatographic methods (affinity, ion exchange, size exclusion and other methods)
3. Demonstrated track record of working collaboratively within a team to achieve results.
4. Good oral and written communication skills.
5. Demonstrated ability to manage competing priorities whilst meeting tight time frames and organisational objectives.

## **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 tangential flow filtration.
7. Knowledge of requirements for GMP protein purification.
8. Experience in protein analysis including SDS-PAGE, ELISA, enzyme assays, spectroscopy.

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.
* This role has child safety obligations. Accordingly, the successful candidate will be required to obtain or provide evidence that they hold a working with children check prior to confirmation of appointment.

## **About CSIRO:**

We solve the greatest challenges through innovative science and technology. To find out more visit us [online](http://www.csiro.au/)!

CSIRO is a values-based organisation.  In your application and at the interview you will need to demonstrate behaviours aligned to our values of:

* 1. People First
	2. Further Together
	3. Making it Real
	4. Trusted

Find out more about CSIRO [Manufacturing](https://www.csiro.au/en/Research/MF)