



Position Details

Research Projects- CSOF5

THE FOLLOWING INFORMATION IS FOR APPLICANTS	
Advertised Job Title	Biologics Purification Scientist
Job Reference	84887
Tenure	Specified Term of up to 30, June 2024. Full-time
Salary Range	AU\$102k - AU\$111k per annum (pro-rata for part-time) plus up to 15.4% superannuation
Location(s)	Clayton
Relocation Assistance	Will be provided to the successful candidate if required
Applications are open to	<ul style="list-style-type: none">• Australian/New Zealand Citizens• Australian Permanent Residents• Australian Temporary Residents, currently residing in Australia with a valid working visa to cover the length of the specified term without the requirement of visa sponsorship from CSIRO
Position reports to the	Group Leader Biologics R&D
Client Focus – Internal	10 %
Client Focus – External	90 %
Number of Direct Reports	0
Enquire about this job	judy.scoble@csiro.au
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 areas 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](#).

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 Biologics Purification team within CSIRO's Biomedical Manufacturing Program engages with Australian Biotech and Biomedical researchers, producing and purifying biologics to enable their research to grow. Our clients are from academic institutions, SMEs or large biotech companies. The projects vary from producing research grade materials to developing processes for the manufacture of biologics for clinical trials. We produce biologics (often proteins) from milligram to multi-gram scale, from microbial, insect or mammalian hosts, with the proteins untagged or tagged, soluble or insoluble. We contribute to drug discovery programs, vaccine development, bioconjugate and biosensor development leading to new medical treatments and technologies that benefit people of Australia and overseas, helping them live longer, healthier, and more productive lives.

The Protein Purification Research will interact with clients to understand their needs and plan and lead projects that enable the clients to progress their research. They will develop suitable purification schemes and carry out the purification. They will present reports to clients (written and verbal). They will provide guidance and supervision to less experienced staff.

Duties and Key Result Areas

- Liaise with clients to determine their needs and take personal responsibility for client satisfaction.
- Under limited direction, assist in the planning and preparation of research proposals and carry out research investigations, requiring originality, creativity and innovation.
- Communicate results clearly and effectively in meetings and in detailed reports, and in the scientific literature.
- Carry out protein purification research including developing novel processes and applying established processes.
- Undertake in experimental and/or observational research activities, often requiring the supervision and/or training of others to ensure experiments are established in accordance with research design, or as required.
- Draw on professional expertise, knowledge of other disciplines and research experience, recognise opportunities for innovation and generate new theoretical perspectives by pursuing new ideas/approaches and networking with scientific colleagues across a range of disciplines.
- Maintain confidentiality when working with commercially sensitive information.
- 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.
- 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.
- 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.

Selection Criteria

Essential

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

1. A PhD (or an equivalent combination of qualifications and research experience) in a relevant field such as Biochemistry, Chemistry, Molecular Biology
2. Extensive experience in protein purification using chromatographic methods (affinity, ion exchange, size exclusion and other methods)
3. Good knowledge of Cytiva Pure chromatography machines and Unicorn software, including experience in writing programs and in maintenance and trouble shooting
4. Demonstrated track record of working collaboratively within a team to achieve results.
5. Excellent oral and written communication skills and a sound history of authorship of scientific papers or technical reports
6. A valid driver's licence.

Desirable

1. Experience in protein production in expression systems such as *P. pastoris*, *E. coli* or mammalian or insect cells
2. Experience in developing purification protocols suitable for GMP production
3. Experience in the purification of non-protein biologics such as mRNA, virus, virus like particles
4. Experience in membrane protein purification
5. Experience in untagged protein purification
6. Experience in protein refolding

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 team 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:** Sets up and maintains effective and efficient work teams and manages performance and resources, to achieve objectives. Chooses appropriate management strategies and communication styles to maintain high levels of motivation and productivity. Gives feedback for development purposes and provides support and direction for improvement.
- **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:** Plans, sets and works to meet challenging standards and goals for self and/or others. Recognises where endeavours will make the most impact or difference, decides on desired outcome and sets realistic goals to reach this target.

- **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.

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 Clearance or equivalent. Please note that individuals 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.
- To be willing and able to travel locally and interstate as required.

About CSIRO

We solve the greatest challenges through innovative science and technology. To find out more visit [online](#) !

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

- People First
- Further Together
- Making it Real
- Trusted

Find out more about [CSIRO Manufacturing](#)