# Position Details

## Research Projects- CSOF4

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| The following information is for applicants | |
| Advertised Job Title | Biologics Formulation Scientist (CSOF4) |
| Job Reference | 96302 |
| Tenure | Indefinite  Full-time |
| Salary Range | AU$ $93,267- AU$105,517 per annum plus up to 15.4% superannuation |
| Location(s) | Clayton |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | Australian/New Zealand Citizens and  Australian Permanent Residents |
| Position reports to the | Biologics Formulation & Assessment Team Lead |
| Client Focus – Internal | 20% |
| Client Focus – External | 80% |
| Number of Direct Reports | 0 |
| Enquire about this job | Contact Dr Tom Nebl via email at tom.nebl@csiro.au or phone +61 3 9662 7129 |
| 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. |

**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](https://www.csiro.au/en/about/Indigenous-engagement/Reconciliation-Action-Plan).

**Child Safety**

CSIRO is committed to the safety and wellbeing of all children and young people involved in our activities and programs. View our [Child Safe Policy](https://www.csiro.au/en/about/policies/child-safe-policy).

### Role Overview

The CSIRO Biomedical Manufacturing (BMM) Program harnesses, develops, and deploys leading-edge science and technology for advanced manufacture of new-generation pharmaceuticals, diagnostics, vaccines, and biotherapeutics. We are enabling medical providers in Australia and around the globe to better prevent, detect, and treat a wide range of disease conditions and enhancing the health and wellbeing of all Australians.

An unmet need in the Australian medical research industry is a nationally available capability for development of biological formulations that are stable for vaccine antigens and biologicals in their final product presentation. Formulation development is an essential component for multiple projects that are considering GMP manufacture and will be essential for the success of the [National Vaccine and Therapeutics Lab](https://www.csiro.au/en/about/facilities-collections/nvtl) (NVTL). To deliver this goal, we require an experienced Formulation Scientist to join our team.

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. As part of the Biologics Formulation & Assessment team in the Biologics R&D Group, this role will contribute to developing new formulation development capabilities and support systematic formulation research studies at the beginning of the development program for a new medicine, so that the biologics formulations which are administered in the Toxicology and Phase 1 of both human and veterinary clinical trials will be safe and effective.

### Duties and Key Result Areas

* Under general direction, contribute to biologics formulation research and development through the application of original and adapted experimental methods, equipment, or software.
* Seek new approaches to meet experimental or technological needs when encountering new problems where methods are not defined.
* Participate in planning projects and accept responsibility for scheduling and completion of major parts of the project. including:
  + Liaise with clients to determine their needs and take personal responsibility for their satisfaction.
  + Participate in the definition of research objectives and the evaluation of technological options with colleagues.
  + Make significant contributions to the design of high-throughput excipient screens and formulation optimisation experiments using DOE principles.
  + Undertake data collection, interpretation, and communication of stability-indicating test results for the development of biologics formulations.
  + Collaborate on drafting presentations and/or detailed written reports for clients and the scientific and/or technology community.

**Selection Criteria**

#### Essential

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

1. Relevant diploma/bachelor’s degree or equivalent relevant work experience in biopharmaceutical formulation development.
2. Scientific/technical work experience in biomedical and/or biopharmaceutical industry.
3. Practical experience in conducting formulation studies, developability research, forced-degradation studies, stability trials.

## **Desirable**

1. Experience conducting and interpreting of stability-indicating analytical tests, such as high-throughput UV/VIS spectrometry, differential scanning fluorometry (DSF), static or dynamic light scattering (SLS/ DLS), capillary-electrophoresis-sodium dodecyl sulfate (CE-SDS), capillary isoelectric focussing (CIEF), size exclusion chromatography (SEC), ion exchange chromatography (IEC), hydrophobic-interaction chromatography (HIC).
2. Familiarity with tangential flow filtration (TFF) development and tech transfer in downstream bioprocessing.
3. Demonstrated experience in drafting scientific reports.
4. Experience in transferring technology to a regulated manufacturing setting.
5. Experience in working with stakeholders and developing a formulation screening strategy that fits their needs.

## **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.

Special Requirements

Appointment to this role is subject to provision of a pre-employment background check and may be subject to other security/medical/character clearance requirements.

* The successful candidate will undertake a pre-employment background check. Please note that individuals with criminal records are not automatically deemed ineligible. Each application will be considered on its merits.

## **About CSIRO**

We solve the greatest challenges through innovative science and technology. Visit [CSIRO Online](http://www.csiro.au/) and the [Biomedical Manufacturing Website](https://www.csiro.au/en/research/health-medical/biomedical) if relevant for more information.

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