# Position Details

## Research Projects- CSOF3

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| The following information is for applicants |
| Advertised Job Title | Research Technician – Advanced Cell Culture  |
| Job Reference | 80322 |
| Tenure | Specified term of 6 months, full-time |
| Salary Range | AU$66k - AU$84k per annum, plus up to 15.4% superannuation |
| Location(s) | Geelong – Australian Centre for Disease Preparedness (ACDP), Victoria |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | Australian Citizens Only |
| Position reports to the | Tissue Culture Team Leader |
| Client Focus – Internal | 100% |
| Client Focus – External | 0% |
| Number of Direct Reports | 0 |
| Enquire about this job | Email Nathan.Godde@csiro.au or telephone 03 5227 5426 |
| 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, in the areas where we live and work 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 on 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 Research Technician – Advanced Cell Culture position forms part of the Tissue Culture and Media Production Unit at ACDP and carries-out specialised cell culture and quality control duties. The position differentiates Stem Cell cultures (ESC and iPSC) into Neural, Cardiomyocyte and Pulmonary tissue models, and requires adherence to quality standards in the provision of cell lines for use in ISO17025 certified laboratories. The Research Technician – Advanced Cell Culture confirms cell differentiation status and monitors host-cell responses within infectious disease experimental models, using Incucyte live-cell analysis, confocal microscopy and molecular techniques.

### Duties and Key Result Areas:

* Under the direction of senior research scientists, maintain a reliable production pipeline for the delivery of several stem cell derived tissue models for infectious disease research.
* Work within established quality systems to maintain high-value stocks of stem and tissue-derived cells.
* Ensure appropriate stocks of stem cell and differentiation reagents are maintained and appropriately stored.
* Under technical direction, perform assays to monitor cell differentiation and cell-host responses to viral infection and/or drug treatments.
* Complete laboratory analyses using a range of molecular and cellular techniques whilst also working on a number of parallel and competing tasks.
* Undertake and complete tasks under technical direction, working with discretion to decide on the timing of operations within the work team’s plan and planning ahead to meet experiment and/or project demands.
* Respond courteously and efficiently to client requests, maintaining clear communication regarding mutual expectations and monitoring client satisfaction.
* Oversee the activities of less experienced staff and provide guidance on cell culture techniques and protocols.
* Communicate openly, effectively, and respectfully with 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 research team 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 Zero Harm goals.
* Other duties as directed.

## **Selection Criteria**

#### Essential

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

1. A relevant bachelor’s degree or equivalent relevant work experience in biotechnology.
2. Experience working under a laboratory quality system.
3. Demonstrated experience in the propagation and differentiation of stem cells into multiple lineages.
4. Proven technical ability to perform immunofluorescent confocal microscopy, live cell analysis, immunoblotting and biochemical assays.
5. A current Class ‘C’ driver’s licence (or equivalent).

## **Desirable:**

1. Research activity in cell biology.
2. Trained in the use of Quality Management Software such as Q-Pulse.
3. Experience using ImageJ Image analysis software.
4. Familiarity with infectious disease experimental models.
5. Experience working with non-mammalian cell lines.
6. Skilled in handling 3D organotypic cultures.

## **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.

Special Requirements

**Security Assessment and Microbiological Security Requirements for Personnel Working on the Australian Centre for Disease Preparedness (ACDP) Site:**

**ACDP Special Conditions that staff must comply with:**

1. Certain positions including those working in the ACDP microbiological secure area will require security clearance at a level appropriate to duties of the position. Confirmation of the appointment is subject to obtaining that clearance.

2. It is essential that all work on exotic or emerging diseases carried out at ACDP is conducted in a safe manner to prevent the escape of the disease agents used, and to this end, all activities and personnel will be subject to appropriate microbiological security measures. Consequently, while working at ACDP, you may not reside on a property on which are kept any of the following animals: sheep, cattle, pigs, goats, horses, asses, mules and camelids, any other cloven-hoofed animal, fowls, turkeys, geese, domestic ducks, caged birds, emus or ostriches. Personnel working with diseases of aquatic animals may not keep aquarium fish at their place of residence and at times specific species may be excluded depending on the nature of the work conducted.

3. In addition, for a period of seven days after working in the microbiologically secure area of ACDP, personnel may not have close contact with any of the above animals, amphibians or birds or the actual places where these animals are held, or visit any aquatic animal farm or aquatic animal hatchery.

4. Working in the barrier maintained Small Animal Facility or the Werribee Animal Health Farm requires avoidance of additional animals such as mice, rats, guinea pigs, rabbits, ferrets and poultry of a minimum of 3 days prior to arrival.

5. Certain positions will require medical assessment and vaccinations against various agents such as influenza, rabies, hepatitis B, Japanese encephalitis or other agents as specified if required for the role performed.

6. Positions working at PC4 will also require a pre-employment psychological assessment.

7. Given ACDP’s role in the International Regional Program, there may be a requirement for some personnel to travel internationally and if required for this work, suitable staff should be able to obtain a valid passport and obtain applicable vaccinations.

8. Should an emergency response situation arise, ACDP may be required to implement the Emergency Animal Disease Response Plan and personnel may need to contribute to response requirements, including after-hours work.

9. Personnel must abide by Occupational Health, Safety and Environment regulations. Safety signs and directives issued by CSIRO personnel must be complied with at all times.

10. Access restrictions apply to the Werribee Animal Health Facility (WAHF) site that is associated with, but remote from, the ACDP site.

**The successful candidate will be required to:**

1. 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.

2. Undertake a National Health Security Check (to be arranged post-commencement).

3. Obtain and maintain a security clearance at the Negative Vetting level 1 (to be arranged post-commencement).

## **About CSIRO**

We solve the greatest challenges through innovative science and technology. Visit [CSIRO Online](http://www.csiro.au/) and [Australian Centre for Disease Preparedness](https://www.csiro.au/en/about/facilities-collections/acdp) 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