# Position Details

## Research Projects- CSOF3

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| The following information is for applicants |
| Advertised Job Title | Genomics and Molecular Research Projects Officer |
| Job Reference | 79830 |
| Tenure | Specified Term of 2 years Full-time |
| Salary Range | AU$66k to AU$84k pa (pro-rata for part-time) + up to 15.4% superannuation |
| Location(s) | Black Mountain, ACT |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | * Australian/New Zealand Citizens and Australian Permanent Residents Only
* All Candidates with a valid temporary work visa up to April 2024 (without the requirement of sponsorship from CSIRO)
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| Position reports to the | Team Leader, Health and Biosecurity |
| Client Focus – Internal | 70% |
| Client Focus – External | 30% |
| Number of Direct Reports | 0 |
| Enquire about this job | Contact Wee Tek Tay via email at Weetek.Tay@csiro.au or phone +61 2 6246 4286 |
| 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

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 Pest Genomics team, this role will contribute to maintaining delivery of molecular laboratory (e.g., high throughput sequencing protocols) and genomic (e.g., run an existing computational pipeline through Galaxy or other platforms) output to ensure at-scale deployment of genomic outcome from the team.

The Molecular Laboratory Technician will work as a part of Health and Biosecurity and collaboratively work with CSIRO’s Pest Genomics Team. This team is a go-to research provider for transformational and strategic research to advance genomics for biosecurity and invasive species management in Australia.

This position is important to enable CSIRO to deliver on Health and Biosecurity (H&Bs) new strategy and aligns with H&Bs Impact Statements by enabling technology-driven transformation for Australia’s biosecurity system, as well as for established invasive species management. This position will contribute to the biological transformation of biosecurity led by the Pest Genomics team and the Biosecurity Program.

### Duties and Key Result Areas

* Under limited supervision, perform straightforward experiments following established high throughput sequencing protocols and routine laboratory analyses.
* Operate existing genomic data recording and entry systems.
* Conduct literature reviews, investigations and inspections in the laboratory including associated analysis using R/Python/Galaxy.
* Perform some non-routine analyses or technology development activities using a range of techniques, often working on a number of parallel and competing tasks.
* Work with discretion to decide on the timing of operations within the work team’s plan and plan ahead to meet experimental and/or project demands.
* Independently test possible solutions to resolve identified problems.
* May have responsibility for maintaining laboratory or fieldwork consumables and scheduling and instructing staff in the use of shared equipment.
* Oversee the activities of less experienced staff and provide guidance on experimental/ technological techniques and protocols as required.
* 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 and responsibly 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 Values, 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. Relevant bachelor’s degree or equivalent work experience in Molecular Biology or a related field.
2. Demonstrated knowledge or skills in DNA/RNA extraction, NGS library preparation (for DNA and RNAseq), PCR and Sanger sequencing reaction preparation, qPCR and primer design with wet-lab PC2 laboratory skills.
3. Eagerness to learn new protocols developed by the team and integrate it into existing wet-lab workflows.
4. Strong attention to detail with strong organisational skills.
5. Ability to communicate courteously and effectively with other members of the project team, external collaborators, and stakeholders.
6. Ability to undertake tasks as instructed and adhere to laboratory safety protocols.

## **Desirable**

* Experience in R and Unix, or interest in leveraging Galaxy bioinformatics workflow.

## **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

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.

## **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 [Health and Biosecurity](https://www.csiro.au/en/Research/BF)