# Position Details

## Research Projects- CSOF3

|  |  |
| --- | --- |
| The following information is for applicants | |
| Advertised Job Title | Research Technician – Plant Tissue Culture and Gene Editing |
| Job Reference | 98622 |
| Tenure | Specified Term until 30 June 2027  Full-time |
| Salary Range | AU$73,567 – AU$93,630 per annum plus up to 15.4% superannuation |
| Location(s) | Adelaide, SA (CSIRO Waite Campus site) |
| 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 | Team Leader, Clonal Crop Trait Improvement |
| Client Focus – Internal | 20% |
| Client Focus – External | 80% |
| Number of Direct Reports | 0 |
| Enquire about this job | Contact Dr Christine Böttcher via email at [Christine.Bottcher@csiro.au](mailto:Christine.Bottcher@csiro.au) or phone +61 8 8273 8126 |
| 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 role of Research Project Officer/Technician 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 ‘Clonal Crop Trait Improvement’ Team is at the forefront of developing breakthrough DNA-free gene-editing methodologies to improve the sustainability and profitability of the Australian wine sector through the generation of improved clones of existing winegrape varieties.

As part of the ‘Clonal Crops Trait Improvement’ team, this role will primarily contribute to externally funded projects focused on the development of gene edited perennial crops, however there is also scope to contribute to other Research Unit projects in strategic research areas.

### Duties and Key Result Areas

* Contribute to the development and delivery of cutting-edge scientific research in the areas of plant tissue culture and gene editing, while demonstrating excellence in research practices, teamwork and inclusion, originality, creativity, and innovation to advance germplasm improvement capability.
* Undertake plant tissue culture tasks including preparation of media, initiation and maintenance of plant cell cultures, conducting plant gene editing experiments, regeneration of plants and plant propagation.
* Under limited supervision, design and perform experiments and laboratory analyses, design new processes by adapting existing techniques to meet special circumstances or undertake modifications to methods requiring some innovation.
* Conduct literature reviews, investigations and inspections in the field or laboratory including associated analysis possibly involving statistical or graphics software.
* Work across teams and projects, often on a number of parallel and competing tasks.
* Work with discretion to decide on the timing of operations within the work team’s agreed plan and plan ahead to meet experimental and/or project demands.
* Independently test possible solutions to resolve identified problems.
* Maintain accurate records of all experimental procedures and results obtained, which underpin future research decisions, publication, and IP protection using an electronic notebook system.
* General laboratory/glass house/field maintenance including solution/media preparation, maintenance of glass house and field plants, and maintenance of laboratory supplies.
* 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, regionally dispersed research group 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 and diversity initiatives.
* Other duties as directed.

## **Selection Criteria**

#### Essential

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

1. Bachelor’s degree and/or equivalent relevant work experience in Molecular Biology, Plant Physiology, or a related field.
2. Experience in plant tissue culture techniques.
3. Experience with molecular biology and genetic transformation of plant material.
4. Demonstrated excellence in laboratory record keeping and data storage.
5. Strong written and verbal communication skills, including proven proficiency in Microsoft Office programs (Word, PowerPoint, Excel), and collaboration tools (MS Teams and SharePoint).
6. Demonstrated ability to work with a range of stakeholders in a dynamic team.
7. Demonstrated focus on continuous improvement in Health and Safety in the workplace.

## **Desirable**

1. Experience with plant propagation and husbandry.
2. Experience with, or interest in, new breeding technologies.
3. Previous experience with use of Electronic Laboratory Record systems.
4. Previous experience with use of Health and Safety management and incident recording software, such as DoneSafe.

## **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 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 [Agriculture & Food Research Unit](https://www.csiro.au/en/work-with-us/industries/agriculture) 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