# Position Details

## Research Projects- CSOF3

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| The following information is for applicants | |
| Advertised Job Title | Tissue Culture Technician |
| Job Reference | 78972 |
| Tenure | Specified Term of 3 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 Science and Innovation Park, Canberra, ACT |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | * Australian/New Zealand Citizens and Australian Permanent Residents * Australian temporary residents who are currently residing in Australia and have the right to work for the expected duration of the term with no requirement for sponsorship |
| Position reports to the | Team Leader |
| Client Focus – Internal | 10% |
| Client Focus – External | 90% |
| Number of Direct Reports | 0 |
| Enquire about this job | Contact Jose Barrero via email at jose.barrero@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](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 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.

The Tissue Culture Technician role will be part of CSIRO’s Agriculture and Food Business Unit, joining the Legume Engineering Team, led by Dr Jose Barrero and Dr TJ Higgins.

The position will work on an externally funded Gates Foundation RIPE project on photosynthetic improvement and an AATF (African Agricultural Technology Foundation) project on insect resistant cowpea. Both projects focus on generating improved transgenic cowpea, a staple crop of sub-Saharan Africa.

The position will be a member of the Legume Engineering Team which is a small team of highly motivated researchers working on cowpea improvement using gene technology. The role will involve primarily tissue culture, but also includes some molecular work and glasshouse activities. The Technician role will work side-by-side with experienced team members and will receive training as required.

### Duties and Key Result Areas

* Undertake and complete **tissue culture** 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.
* Under technical direction undertake **molecular biology** experiments, laboratory analyses or technology development activities (some non-routine) using a range of techniques (including DNA extractions, PCR, protein extractions and westerns), often working on several parallel and competing tasks.
* Maintain plant experiments in **glasshouse** and growth cabinets.
* Maintain accurate experimental records.
* Present results in written and oral communications with the team.
* May have responsibility for maintaining laboratory or glasshouse work consumables and scheduling and instructing staff in the use of shared equipment.
* Maintain confidentiality when working with commercially sensitive information.
* 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 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.

## **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.

## **Selection Criteria**

#### Essential

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

1. Relevant degree or equivalent relevant work experience in Biology or Science.
2. Demonstrated knowledge of plant science, cell biology and aseptic techniques.
3. Good oral and written communication skills coupled with the demonstrated ability to maintain accurate records.
4. The ability to work collaboratively within a team to achieve results.
5. Demonstrated ability to manage multiple priorities whilst meeting tight time frames and organisational goals.
6. Demonstrated ability and willingness to learn new laboratory skills and techniques.

## **Desirable**

1. Experience in tissue culture.
2. Experience in maintaining and analysing plants in the glasshouse.

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.

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CSIRO is a values-based organisation.  In your application and at 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 [Agriculture and Food](https://www.csiro.au/en/Research/AF)