# Position Details

## Research Projects- CSOF3

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| The following information is for applicants | |
| Advertised Job Title | Synthetic Biology Research Projects Officer |
| Job Reference | 79502 |
| Tenure | Specified Term until 30th June 2022 |
| Salary Range | AU$66k to AU$84k pa (pro-rata for part-time) + up to 15.4% superannuation |
| Location(s) | Canberra (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 * Australian temporary residents who are currently residing in Australia and have the right to work for the expected duration of the term (i.e. till 30th June 2022) with no requirement for sponsorship |
| Position reports to the | Team Leader Microbial Engineering |
| Client Focus – Internal | 100% |
| Client Focus – External | 0% |
| Number of Direct Reports | 0 |
| Enquire about this job | Xue-Rong Zhou via email at xue-rong.zhou@csiro.au or phone +61 2 6246 5455  Thomas Vanhercke via email at Thomas.Vanhercke@csiro.au or phone +61 02 6246 4913 |
| 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 Synthetic Biology Research Projects Officer will be part of the newly established Microbial Engineering Team in the Synthetic Traits Group within the Agriculture and Food Business Unit. The position will be part of a multidisciplinary research group and will work on the production of high value recombinant protein ingredients through precision fermentation. As part of the broader CSIRO Future Protein Mission and CSIRO Synthetic Biology Future Science Platform initiatives, this position will be part of CSIRO’s mission to develop the next generation protein ingredients for food and health markets.

### Duties and Key Result Areas

* Under limited supervision, design and perform straightforward experiments and routine laboratory analyses, design new processes or apparatus by adapting existing techniques and components to meet special circumstances or undertake modifications to methods requiring some innovation.
* Conduct cloning of genetic constructs and transformation of yeast (*Pichia pastoris*).
* Undertake recombinant protein expression, purification and Western blot analysis
* Prepare samples for proteomics analysis.
* Maintain accurate experimental records.
* Present results in written and oral communications with the team.
* 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 consumables and scheduling and instructing staff in the use of shared equipment.
* Respond courteously and efficiently to client requests, maintaining clear communication regarding mutual expectations and monitoring client satisfaction.
* 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, regionally dispersed 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 microbiology or synthetic biology.
2. Demonstrated microbiology laboratory experience with a focus on yeast.
3. Experience in recombinant protein expression and/or characterisation.
4. Good oral and written communication skills coupled with the demonstrated ability to maintain accurate records.
5. The ability to work collaboratively within a team to achieve results.
6. Demonstrated ability to manage multiple priorities whilst meeting tight time frames and organisational goals.

## **Desirable**

1. Experience in working with *Pichia pastoris.*
2. Knowledge of yeast fermentation such as operating small-scale reactors and processing of cultures.

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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* 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)