# Position Details

## Research Projects- CSOF3

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| The following information is for applicants | |
| Advertised Job Title | Research Technician – Chemistry (Carbon Capture) |
| Job Reference | 94346 |
| Tenure | Specified Term of 2 years  Full-time |
| Salary Range | AU$68,148 – AU$86,733 per annum plus up to 15.4% superannuation |
| Location(s) | Kensington, WA |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | Australian/New Zealand Citizens and Australian Permanent Residents |
| Position reports to the | Team Leader, Direct Air Capture |
| Client Focus – Internal | 30% |
| Client Focus – External | 70% |
| Number of Direct Reports | 0 |
| Enquire about this job | Contact Colin Wood via email at [colin.wood@csiro.au](mailto:colin.wood@csiro.au) or phone +61 8 6436 8701 |
| 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 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 role will involve working with the ‘Direct Air Capture’ team on scaling carbon capture technologies designed for capturing carbon dioxide (CO2) from the atmosphere. This includes a significant material synthesis component and testing with an emphasis on materials for CO2 capture. The Research Technician will also assist with the development of new characterisation techniques. The ultimate goal of the team is to scale technologies to pilot scale and beyond. The team has a number of strategic and commercial projects looking at deploying CSIRO's CO2 capture technology into the field.

### Duties and Key Result Areas

* Synthesise new materials for carbon capture and work with the project team to design these materials and methodologies to access materials.
* Perform HSE analysis of synthetic methodologies to select the correct practices to carry out the synthesis safely, and in doing so, adhere to CSIRO HSE policies.
* 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.
* Design data recording and entry systems.
* Conduct literature reviews, investigations and inspections in the laboratory including associated analysis possibly involving statistical or graphics software.
* Perform some non-routine analyses or technology development activities using a range of techniques, often working on a number of parallel and competing tasks.
* 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.
* Respond courteously and efficiently to client requests, maintaining clear communication regarding mutual expectations and monitoring client satisfaction.
* 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 and diversity initiatives.
* Other duties as directed.

## **Selection Criteria**

#### Essential

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

1. Relevant trade certificate/diploma/bachelor’s degree, or equivalent relevant work experience, in chemistry or material synthesis.
2. Demonstrated fundamental understanding of chemistry.
3. Demonstrated experience with chemical synthesis.
4. Proven technical skills in material analysis in order to test the developed materials.
5. Demonstrated proficiency in Microsoft Office applications (i.e., MS Word, Excel, Outlook, PowerPoint, Project, Teams).

## **Desirable**

1. Experience with experimental instrumentation and controls.
2. Experience handling new materials safely including use of correct PPE.

## **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 [CSIRO Energy](https://www.csiro.au/en/research/technology-space/energy) 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