# Position Details

## Research Projects- CSOF3

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| The following information is for applicants |
| Advertised Job Title | Downstream Processing Research Projects Officer |
| Job Reference | 96068 |
| Tenure | Specified Term of 2 years Full-time |
| Salary Range | AU$68,148 – AU$86,733 - per annum (pro-rata for part-time)plus up to 15.4% superannuation |
| Location(s) | Clayton, Melbourne |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | * Australian/New Zealand Citizens
* Australian Permanent Residents, and
* Australian Temporary Residents, currently residing in Australia with a valid visa and unrestricted work rights and with no visa sponsorship support required during the duration of the contract.
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| Position reports to the | Team Leader |
| Client Focus – Internal | 100% |
| Client Focus – External | 0% |
| Number of Direct Reports | 0 |
| Enquire about this job | Lyndsey.Benson@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 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.

As part of the Alloys and Metallics composites team, this role will contribute to the development of value-add processes for critical minerals including rare earth elements and refractory metals.

### Duties and Key Result Areas

Under the direction and guidance of senior research scientists and engineers this projects officer will:

* Design and perform experiments involving downstream processing techniques such as metals consolidation, fabrication or part-production.
* Assist with sample characterisation and materials property testing including SEM, TGA, hardness testing and XRD analysis where required.
* Carry out scientific activities involving metal production within the extractive metallurgy laboratory.
* Assist with general technical aspects, including maintenance of laboratory, working environment and chemical inventory.
* Undertake sample preparation including inert atmosphere sampling and characterisation where required.
* Handle commercially sensitive data and information in accordance with CSIRO requirements.
* Communicate openly, effectively, and respectfully and work collaboratively as part of a multi-disciplinary research team to carry out tasks in support of CSIRO’s scientific objectives.
* Adhere to safe work practices when working with hazardous materials (including pyrophoric chemicals) and scientific equipment including maintaining clean workspaces.
* 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 bachelor’s degree or equivalent relevant work experience in any relevant discipline such as chemistry, physics, materials science, mechanical or chemical engineering.
2. Demonstrated effective communication skills to a range of audiences and stakeholders.
3. Ability to work effectively as part of a multi-disciplinary research team and able to carry out tasks autonomously.
4. Demonstrated understanding of powder metallurgy systems, particularly around consolidation techniques.
5. Demonstrated experience of adherence to standard operating procedures and supporting safety documentation.

## **Desirable**

1. Metal powder consolidation or additive manufacturing experience
2. Experience working with hazardous materials or reactive metal powders.
3. Understanding of metal value chains.

## **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.

Include if relevant:

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/) 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