# Position Description

## Research Projects – CSOF3

The following information is for applicants

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| Advertised Job Title**:** | Research Technician - Sample Preparation and Analysis |
| Job Reference: | 59268 |
| Relocation Assistance**:** | Will be provided to the successful candidate if required. |
| Applications Are Open To: | Australian/New Zealand Citizens and Australian Permanent Residents Only |
| Percentage of Client Focus - Internal: | 90% |
| Percentage of Client Focus - External: | 10% |
| Reports to the: | Team Leader |
| Number of Direct Reports: | 0 |
| Name and Contact Details For Applicant Enquiries | Mike Millen via email: [Mike.Millen@csiro.au](mailto:Mike.Millen@csiro.au) or phone: 02 9710 6733  *Please do not email your application directly to Mr Millen. Applications received via this method will not be considered.* |
| Contact Details For Applying | Call 1300 984 220 or email [careers.online@csiro.au](mailto:careers.online@csiro.au). |
| How to Apply: | Please apply online at [jobs.csiro.au](https://jobs.csiro.au/) and enter the requisition number**.** Internal applicants please apply via ‘Jobs Central’ through the ‘People Hub’ icon |

## Role Overview:

Research Projects staff in CSIRO collaborates 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 Research Technician will initially work as part of the sample preparation team to prepare cores and rock samples for analysis by advanced characterisation techniques. This work will involve core drilling, mounting and polishing of samples and the preparation of thin sections. Duties of the Research Technician will include a combination of repetitive work and more complex analytical work.

The role sits within a Program with a broad range of chemical and physical analytical responsibilities, and as such. Movement of roles within the team is encouraged.

## Duties and Key Result Areas:

* Work as part of a team to provide high level, custom, sample preparation.
* Support lab teams to collect data sets and report outcomes to project teams.
* Work as part of geoscience drill core team to collect, prepare and analyse samples.
* Assist with drill core logging; laboratory methods and/or sample preparation processes.
* Develop understanding of the Characterisation Program's Instrumentation.
* Scientific problem solving on new applications of the Programs instrumentation and the development of techniques for the preparation of novel or challenging samples.
* Collect data and perform analysis of data.
* Work as part of a multi-disciplinary research team, to carry out tasks under limited direction in support of scientific research.
* Work collaboratively with colleagues within your team, the business unit and across CSIRO, to reach objectives.
* Provide instruction on activities pertaining to the immediate work area and responsibilities, as required.
* Adapt and/or develop original experimental methods/equipment/software/concepts/ ideas in support of existing and further research.
* Adhere to the spirit and practice of CSIRO’s Values, Health, Safety and Environment plans and policies, Diversity initiatives and Zero Harm goals.
* Other duties as directed.

## Competencies:

1. **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.**
2. **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.**
3. **Resource Management/Leadership: Provides instruction and assists other staff to complete allocated tasks and activities.**
4. **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.
5. **Independence: Recognise and makes immediate changes to improve performance (faster, better, lower cost, more efficiently, better quality, improved client satisfaction).**
6. **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:

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

1. Tertiary qualification in Laboratory Techniques or equivalent minimum.
2. Ability to communicate in a fluent and courteous manner, both orally and in writing, offering factual information supported by proven data, and providing appropriate feedback when required.
3. Demonstrated ability to deliver assigned research project objectives within a specified timeframe whilst working under the broad direction of a supervisor.
4. Ability to plan laboratory workflows and use experimental apparatus or instrumentation.
5. The ability to work effectively as part of a multi-disciplinary research team, and carry out tasks under general direction from Scientific Researchers.
6. Ability to reliably complete repetitive tasks balanced with more complex procedures.

## Desirable Criteria:

1. Experience with sample preparation
2. Experience with laboratory analysis
3. Knowledge of Geology or Mineralogy
4. Relevant degree in physics or physical sciences at honours level (desirable).

## About CSIRO:

We imagine. We collaborate. We innovate. To find out more visit us [online](http://www.csiro.au/)!

Find out more about CSIRO [Mineral Resources](https://www.csiro.au/en/Research/MRF)