# Position Details

## Research Projects- CSOF3

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| The following information is for applicants | |
| Advertised Job Title | Research Projects Officer |
| Job Reference | 91024 |
| Tenure | Indefinite  Full-time |
| Salary Range | AU$68,148k – AU$86,733k per annum (pro-rata if part-time)  plus up to 15.4% superannuation |
| Location(s) | Hobart – Battery Point |
| 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 | Russell Bradford – Team Leader: Predator Populations. |
| Client Focus – Internal | 20% |
| Client Focus – External | 80% |
| Number of Direct Reports | 0 |
| Enquire about this job | Contact Peter Grewe via email at peter.grewe@csiro.au or phone +61 3 6232 5374 |
| 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).

### 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 position requires a highly skilled geneticist to undertake laboratory and data analysis work in molecular genetics, with a focus on leading the technical laboratory support for genetic monitoring programs of regionally and globally significant fisheries.

As part of CSIRO’s Environmental Business Unit, this role will contribute to studies involving molecular genetic analysis of both domestic and international marine and aquatic fish species populations of research interest. The role sits within the Predator Populations Team of the Sustainable Marine Futures (SMF) Program, which consists of scientists, engineers, and technicians who conduct research to estimate abundance, migration, connectivity and population genetic aspects of marine and aquatic species. The successful candidate will liaise closely with other teams within SMF.

### Duties and Key Result Areas

* Extract and purify total nucleic acids (RNA and DNA) from animal tissues using manual and robotic methods.
* Perform PCR amplification of genomic RNA and DNA
* Analyse genomic RNA and DNA quality using gel electrophoresis and spectrophotometer instrumentation.
* Carry out population genetic analyses using state-of-the-art software packages
* Maintain and manage laboratory equipment and consumables required for research projects.
* Maintain a thorough and complete record of all laboratory work.
* Contributing to scientific publications.
* Work collaboratively as part of a multi-disciplinary, regionally dispersed research team carrying 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 Zero Harm goals.
* Other duties as directed.

## **Selection Criteria**

#### Essential

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

1. Relevant honours degree or equivalent work experience in a molecular genetics laboratory.
2. Demonstrated experience in RNA and DNA extraction and purification using both manual (e.g., phenol chloroform) and commercially available kits (e.g., Qiagen and Macherey-Nagel Nucleomag).
3. Demonstrated experience at using robotic platforms for both liquid handling and nucleic acid extraction, including the ability to trouble shoot issues.
4. Demonstrated experience applying PCR techniques (single/multi plex reactions) and isothermal amplification methods.
5. Experience analysing of Diversity Array Technology (DArT) genotype data using R and generate reports on identification of genetic markers correlated with specific population attributes (e.g., stock structure and/or connectivity).
6. Demonstrated experience with multiplex DNA microsatellite PCR and analysis of resultant data.
7. Demonstrated ability to provide instruction to other staff on activities relating to immediate/emerging work area and responsibilities.
8. Demonstrated ability to work effectively across multiple projects with competing needs.

## **Desirable**

1. Demonstrated experience to undertake remote/at sea fieldwork to collect tissue samples.
2. Experience in use of relational databases and data analysis software (e.g., MS Excel, MS Access, Geneious, DNAstar, NCBI BLAST, Radiator).
3. The ability & willingness to contribute novel ideas and approaches in support of scientific investigations within a team environment.

## **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 may be subject to conditions including provision of a national police check as well as other security/medical/character clearance requirements.

Include if relevant:

* 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.
* This role has child safety obligations. Accordingly, the successful candidate will be required to obtain or provide evidence that they hold a working with children check prior to confirmation of appointment.

## **About CSIRO**

We solve the greatest challenges through innovative science and technology. Visit [CSIRO Online](http://www.csiro.au/) and 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