# Position Description

## Research Projects – CSOF3

The following information is for applicants

|  |  |
| --- | --- |
| Advertised Job Title**:** | Research Projects Officer (Diagnostic markers) |
| Job Reference: | 60272 |
| 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: | 50% |
| Percentage of Client Focus - External: | 50% |
| Reports to the: | Team Leader, Diagnostics for Precision Health |
| Number of Direct Reports: | 0 |
| Name and Contact Details For Applicant Enquiries | Kim Fung via email [kim.fung@csiro.au](mailto:kim.fung@csiro.au) or phone: **+61 2 9490 8710** |
| 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  Please do not email your application directly to Dr Fung. Applications received via this method may not be considered by the selection panel. |

## 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 role of Research Projects staff in CSIRO is to collaborate in scientific activities with other research staff usually by assisting with detailed planning, undertaking or assisting with experimental and observational work, and in carrying out the more practical aspects of the work.

The successful candidate will be part of the award-winning Diagnostics for Precision Health team who have successfully developed and commercialised DNA (Colvera) and protein based (ColoSTAT) diagnostics for colorectal cancer. The team is currently developing novel diagnostics in cancer, metabolic disease and brain trauma and is seeking an enthusiastic Research Projects Officer to undertake experimental work for internal and external projects for clients.

The role offers the candidate an opportunity to utilise and develop a broad set of molecular and/or cellular biology skills in DNA and protein analysis focusing on biomarker identification and validation, and assay development.

## Duties and Key Result Areas:

* Assist with validation of DNA or protein targets for colorectal cancer, including target validation in clinical patient samples
* Assist in the development of novel lab-based methods in expanding fields of science, such as gut microbiology and metabolic disease
* Respond courteously and efficiently to client requests, maintaining clear communication regarding mutual expectations and monitoring client satisfaction.
* Undertake and complete tasks under technical direction, working with discretion to decide on the timing of operations within the work team’s plan and planning ahead to meet experiment and/or project demands.
* Under technical direction undertake experiments, laboratory analyses or technology development activities (some non-routine) using a range of techniques, often working on a number of parallel and competing tasks.
* Provide instruction on activities pertaining to the immediate work area and responsibilities, as required.
* 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, often regionally dispersed research team, and business unit to carry out tasks in support of CSIRO’s scientific objectives.
* Adhere to the spirit and practice of CSIRO’s Code of Conduct, 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. Relevant Bachelor’s degree or relevant work experience in biochemistry, molecular biology or biomedical sciences*.*
2. Demonstrated experience in molecular biology techniques including DNA and RNA extraction, and protein analysis techniques such as SDS PAGE, western blot analysis, ELISA or immunohistochemistry
3. Demonstrate experience in cell biology techniques and/or microbiology in the fields of either metabolic health or human intestinal biology
4. The ability to work effectively as part of a multi-disciplinary research team, and carry out tasks in a timely manner or to tight deadlines under general direction from senior scientists.
5. The ability & willingness to contribute novel ideas and approaches in support of scientific investigations.

## Desirable Criteria:

1. Experience in biostatistics, including statistical modelling for biomarker panel identification and validation
2. The ability to analyse experimental data through hands-on experimental work
3. Experience in, or knowledge of human gut microbiology pertaining to health and disease
4. Effective oral and written communication skills, and ability to constructively contribute to client reports or research publications.

## About CSIRO:

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

Find out more about CSIRO [Health and Biosecurity](https://www.csiro.au/en/Research/BF)