



Position Details

Research Projects- CSOF4

THE FOLLOWING INFORMATION IS FOR APPLICANTS	
Advertised Job Title	Research Assistant, Host Response
Job Reference	85773
Tenure	Specified Term of 12 months Full-time
Salary Range	AU\$87,068 to AU\$98,504 pa + up to 15.4% superannuation
Location(s)	Geelong, VIC Australian Centre for Disease Preparedness (ACDP)
Relocation Assistance	Will be provided to the successful candidate if required
Applications are open to	<ul style="list-style-type: none">• Australian Citizens and Permanent Residents currently residing in Australia• New Zealand Citizens currently residing in Australia• Australian temporary residents who are currently residing in Australia and have the right to work for the expected duration of the term (until approx. Oct 2022) with no requirement for sponsorship
Position reports to the	Research Team Leader, Host Response
Client Focus – Internal	60%
Client Focus – External	40%
Number of Direct Reports	0
Enquire about this job	Contact Cameron Stewart via email at cameron.stewart@csiro.au or phone +61 3 5227 5601
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](#).

Role Overview

The role of Research Projects staff in CSIRO is to collaborate 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 Assistant will be part of the Host Response Team at ACDP and assist with projects focused on developing new technologies for the detection and diagnosis of infectious diseases. The position requires experience in molecular biology techniques, particularly RNA purification, qRT-PCR and the preparation of libraries for next-generation sequencing.

Duties and Key Result Areas

- Carry out innovative, impactful research of strategic importance to CSIRO that will, where possible, lead to novel and important scientific outcomes.
- Purifying microRNAs and other RNAs from circulating biofluids including sera, milk and saliva.
- Analysing microRNA expression using RNAseq and qRT-PCR.
- Assisting with tasks including data analysis and project administration.
- Recognising and exploiting opportunities for innovation and progressing opportunities for the further development or creation of new lines of research.
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- Utilise methodology to plan and prepare research projects.
- Carry out research investigations requiring originality, creativity and innovation.
- Record, manage, and analyse data/information using relevant domain data science techniques.
- 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.

Selection Criteria

Essential

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

1. Relevant bachelor's degree in Science or related disciplines, or equivalent relevant experience.
2. Experience in molecular biology techniques such as RNA purification, molecular cloning, polymerase chain reaction, gel electrophoresis, and cDNA library preparation.
3. High level of written and oral communication skills with the ability to represent the research team effectively internally and externally.
4. A record of innovation and creativity, including the ability & willingness to incorporate novel ideas and approaches into scientific investigations.

Desirable

1. Experience in bioinformatics, cell culture or microbiology techniques.

2. A record of publications in peer-reviewed journals.

Required Competencies

- **Teamwork and Collaboration:** Cooperates with others to achieve organisational objectives and may share team resources in order to do this. Collaborates with other teams as well as industry colleagues.
- **Influence and Communication:** Uses knowledge of other party's priorities and adapts presentations or discussions to appeal to the interests and level of the audience. Anticipates and prepares for others' reactions.
- **Resource Management/Leadership:** Allocates activities, directs tasks and manages resources to meet objectives. Provides coaching and on the job training, recognises and supports staff achievements and fosters open communication in the team.
- **Judgement and Problem Solving:** Investigates underlying issues of complex and ill-defined problems and develops appropriate response by adapting/creating and testing alternative solutions.
- **Independence:** Recognise and makes immediate changes to improve performance (faster, better, lower cost, more efficiently, better quality, improved client satisfaction).
- **Adaptability:** Copes with ambiguity or situations that lack clarity. Adapts readily to changing circumstances and new responsibilities (which may include activities outside own preferences) in the interests of achieving team objectives. Recognises the need for and undertakes personal development as a result of changes.

Special Requirements

Security Assessment and Microbiological Security Requirements for Personnel Working on the Australian Centre for Disease Preparedness (ACDP) Site:

ACDP Special Conditions that staff must comply with:

1. Certain positions including those working in the ACDP microbiological secure area will require security clearance at a level appropriate to duties of the position. Confirmation of the appointment is subject to obtaining that clearance.
2. It is essential that all work on exotic or emerging diseases carried out at ACDP is conducted in a safe manner to prevent the escape of the disease agents used, and to this end, all activities and personnel will be subject to appropriate microbiological security measures. Consequently, while working at ACDP, you may not reside on a property on which are kept any of the following animals: sheep, cattle, pigs, goats, horses, asses, mules and camelids, any other cloven-hoofed animal, fowls, turkeys, geese, domestic ducks, caged birds, emus or ostriches. Personnel working with diseases of aquatic animals may not keep aquarium fish at their place of residence and at times specific species may be excluded depending on the nature of the work conducted.
3. In addition, for a period of seven days after working in the microbiologically secure area of ACDP, personnel may not have close contact with any of the above animals, amphibians or

birds or the actual places where these animals are held, or visit any aquatic animal farm or aquatic animal hatchery.

4. Working in the barrier maintained Small Animal Facility or the Werribee Animal Health Farm requires avoidance of additional animals such as mice, rats, guinea pigs, rabbits, ferrets and poultry of a minimum of 3 days prior to arrival.
5. Certain positions will require medical assessment and vaccinations against various agents such as influenza, rabies, hepatitis B, Japanese encephalitis or other agents as specified if required for the role performed.
6. Positions working at PC4 will also require a pre-employment psychological assessment.
7. Given ACDP's role in the International Regional Program, there may be a requirement for some personnel to travel internationally and if required for this work, suitable staff should be able to obtain a valid passport and obtain applicable vaccinations.
8. Should an emergency response situation arise, ACDP may be required to implement the Emergency Animal Disease Response Plan and personnel may need to contribute to response requirements, including after-hours work.
9. Personnel must abide by Occupational Health, Safety and Environment regulations. Safety signs and directives issued by CSIRO personnel must be complied with at all times.
10. Access restrictions apply to the Werribee Animal Health Facility (WAHF) site that is associated with, but remote from, the ACDP site.

The successful candidate will be required to:

1. Obtain and provide evidence of a National Police Clearance or equivalent. Please note that individuals with criminal records are not automatically deemed ineligible. Each application will be considered on its merits.

Please check with the HM or HRM regarding the below requirements for each position:

About CSIRO

We solve the greatest challenges through innovative science and technology. Visit [CSIRO Online](#) and [Australian Centre for Disease Preparedness](#) 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