

POSITION DESCRIPTION:

SECTION A: Position Context

Position Title	Postdoctoral Researcher
Position Number	
Classification	RO1 - SRO3 (\$82,827-\$100,610)
Location	85 Commercial Road Melbourne
Effective Date	1 February 2019

Purpose:

This role is predominately a lab-based role and requires expertise in biochemistry, molecular biology (e.g. PCR, cloning, etc), as well as protein expression, purification and characterisation.

Our group has created a cross-disciplinary environment that provides advances across the spectrum of basic science, clinical medicine and public health. These approaches seek to improve diagnostics, surveillance, clinical management and prevention of infectious diseases, especially in resource-poor settings. There is a particular focus on the development of new diagnostic tests to improve individual care and population-based surveillance data. We collaborate closely with multidisciplinary teams, including industry partners and key national health programs, to bring genuine solutions to market and to implement locally appropriate and sustainable solutions in the field.

Opportunities exist to be involved with clinical studies, field-based research and for international travel.

Supervision Reporting Relationships:

<u>This positions'</u> supervisor/manager	Dr Jack Richards, Working Group Head – Malaria and Tropical Diseases
Other positions reporting to <u>this position</u>	N/A

SECTION B: Key Responsibility Areas

The key responsibility areas (KRAs) are the major outputs for which the position is responsible and are not a comprehensive statement of the position activities.

Key Responsibility Areas	
1.	<p>Research</p> <p>To work on several research and diagnostic test development projects including developing point-of-care tests for malaria and other infectious diseases, including viral hepatitis, HIV and others.</p> <p>Biochemical assays, development of new molecular assays, protein design/ expression/ purification/ characterisation.</p> <p>Conducting immunoassays to assess naturally-acquired and vaccine-induced immunity.</p> <p>Involvement in the design and implementation of public health field studies.</p> <p>Assistance in the writing of grants, reports and manuscripts for publication.</p> <p>Involvement in the supervision of students and junior laboratory staff.</p>

Key Responsibility Areas		
2.	Laboratory	To assist in upkeep and maintenance of laboratory research material including administration of cohort samples, human ethics, ordering of reagents/ equipment, ensuring high quality safety practices for the lab and its members, ensuring compliance with all AQIS and other quality requirements.
3.	Meetings	Attendance and participation in weekly laboratory meetings. Regular reporting of research progress to Group Head.
4.	Administrative	To keep accurate laboratory records and inventories.
5.	Ethics	To conduct all research in an ethical and professional manner. Adherence with all institute defined regulations.
6.	Occupational Health & Safety	Refer to the "Burnet OHS responsibilities and roles" document for full details on specific OHS obligations and responsibilities of Employees.
7.	Training	Responsible for completing all required training in line with the position / role.

Occupational Health and Safety

The Burnet has a commitment to providing a safe and healthy workplace in accordance with the Occupational Health and Safety Act 2004. All staff are obliged to take all reasonable care to ensure that their actions do not place themselves or others at risk.

SECTION C: Key Selection Criteria

Qualifications	Essential/ Preferable
PhD in molecular biology or similar	Essential

Experience / Knowledge / Attributes		
1.	Sound knowledge of scientific methods including literature review, study design, data collection, analysis, writing of reports/ publications, presentation of data at meetings/ conferences	Essential
2.	Practical lab skills in molecular assays (PCR and other), cell culture, protein expression/ purification, immunological assays (ELISA, flow cytometry), working safely with human samples and conditions of GCP	Essential
3.	Able to engage in team-related activities including supervision of students and other lab members	Essential
4.	Able to undertake work in a professional, ethical and culturally sensitive manner	Essential
5.	Use of software including: excel, STATA or other statistical packages, prism, endnote etc.	Essential
6.	Sound knowledge of malaria or other infectious diseases	Preferred
7.	Able to work independently especially in remote and challenging environments	Preferred
8.	Experience working in resource-constrained situations	Preferred

Other Requirements

The Burnet Institute is a child safe organisation. The incumbent of this position may be required to undergo a Police Check or Working with Children Check as a condition of their employment.

SECTION D: Burnet Overview

Burnet Institute is a leading Australian medical research and public health organisation focused on achieving better health for vulnerable communities in Australia and internationally by accelerating the translation of research, discovery and evidence into sustainable health solutions. The Institute is headquartered in Melbourne with programs that operate across Asia, the Pacific and in Africa.

Burnet's culture links innovative discovery-oriented research and implementation research with development and humanitarian action. World-class laboratory and field-based research is integrated into multidisciplinary programs aimed at the prevention, detection and treatment of diseases of global significance. This unique approach allows the Institute to make a tangible and sustainable impact on health in both developed and developing countries.

The Institute has three major thematic programs – Disease Elimination, Behaviours and Health Risk, and Maternal and Child Health, and two expansion programs – Healthy Ageing and Health Security. Staff within these Programs are supported by cross-cutting communities of practice; the disciplines of Life Sciences, Public Health and International Development.

Further Information:

For further information, please contact:

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