

## POSITION DESCRIPTION

**Title of Position:** Post Doc / Research Scientist – Omics Accelerator

**Reporting to:** Research Manager - Molecular Biology

**Overview:** As part of Metabolomics SA and the NCRIS-funded Omics Accelerator team, this role focuses on the development and delivery of bioinformatics services that support applied research and enable the translation of data from a range of omics technologies into practical outcomes for industry, SMEs, and the broader research community.

The role contributes to strategic and applied research within the Omics Accelerator, which specialises in translating omics capabilities provided by existing Bioplatforms Australia research platforms into accessible diagnostic solutions for deployment across Australian industries, with a particular focus on agriculture and the environment.

The Research Scientist will actively support outreach through: publications, presentations and posters; participation at conferences and workshops; and other activities for building and improving multi-omics capabilities across the South Australian research sector.

**Qualifications:** A PhD in molecular genetics, molecular diagnostics, genomics, bioinformatics or a related field

**Required experience:** At least three years undertaking research to fulfil the requirements of the role.

### Principal Accountabilities:

1. Undertake, as directed, applied and strategic research into exploiting and translating genomic technologies to address the needs of Omics Accelerator clients, with a particular focus on the development of molecular diagnostics within the agricultural and environmental sectors.
2. Design, execute, complete and report research projects in a timely fashion and to a standard expected by the Omics Accelerator.
3. Using best practice, record on a daily basis all activities, details of any experimental work and outcomes of data processing and interpretation.

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4. Actively contribute to, and critically appraise, the reporting and dissemination of research progress and outcomes through regular reports, refereed and industry publications, seminars and workshops.
5. Regularly search, review and report on emerging literature relating to developments and trends in scientific research that could benefit industry partners and advise on the direction of this research.
6. Foster and exploit opportunities to collaborate with academic and industry partners to undertake projects that support the objectives of the Omics Accelerator.
7. Assist in drafting and review of relevant risk assessments and standard operating procedures.
8. Maintain accurate, daily records of all experimental work, outcomes of data processing and interpretation in accordance with the Quality Management System (QMS) and ISO 9001 Standard requirements.
9. Contribute to the maintenance and continuous improvement of the QMS, including documentation updates and corrective actions where necessary.
10. Undertake other duties as directed by the Research Manager – Molecular Biology, the Director of Research or the Managing Director.
11. Accept that all intellectual property, patents and discovery arising during the course of employment at the AWRI remains the property of the AWRI.
12. Promote the general well-being of the AWRI by ensuring that all contact with clients, staff or the public is performed in a professional and confidential manner.

**Person Specification:**

1. Practical understanding of and experience in scientific research.
2. Ability to work and communicate successfully within a multi-disciplinary environment and across research and industry groups.
3. Ability to maintain effective working relationships and contribute positively in a team environment.
4. Superior oral and written communication skills.

**Workplace Health and Safety Responsibilities:**

Employees and students must take reasonable care to protect their own health and safety, and have responsibilities to:

1. Ensure that they do not increase the risk to the health, safety or welfare of others through any act or omission.
2. Obey reasonable instructions that are designed to protect their health, safety and welfare.
3. Use, in the appropriate manner, equipment that is provided to protect their health, safety or welfare.
4. Not wilfully interfere with, or misuse, items or facilities provided in the interest of health, safety or welfare of employees.
5. Ensure that they are not affected by alcohol or any other drug to such an extent that they endanger themselves or others.
6. Report promptly, any hazards, incidents or injuries to their Manager.