



## Position Description

**Title of Position:** Bioinformatician

**Reporting to:** Manager - Bioinformatics

### Overview:

This position is associated with a government-funded initiative to establish a Bioplatforms Australia (BPA) bioinformatics team in South Australia. It forms part of the National Collaborative Research Infrastructure Scheme (NCRIS) Capability 5.1: Evolving Biomolecular Platforms and Informatics. This position is located at, and managed through, The Australian Wine Research Institute (AWRI), at the Waite Precinct, Adelaide, South Australia.

The primary aim of the position is to provide bioinformatics support to BPA-funded genomics and transcriptomics activities in SA and to develop an informatics framework for Systems Biology.

### Qualifications:

A degree in a relevant discipline or relevant experience. Expertise and/or experience in bioinformatics.

### Principal Accountabilities:

1. Principal data analyst for projects involving comparative genomics and genome assembly.
2. Principal data analyst for projects involving transcriptomics.
3. Assists and advises on the development of an informatics framework for Systems Biology.
4. Assist South Australian nodes of BPA laboratories in accessing and utilising existing IT infrastructure including high performance computing.
5. Contributes to the development of the bioinformatics community in South Australia and interstate through active participation in the Bioinformatics Interest Group SA and the Australian Bioinformatics Network.
6. Provides experimental design consultation as required by clients of BPA.
7. Contributes to BPA software development projects.
8. Supports the internal and external operational activities of BPA/AWRI-Bioinformatics Team.
9. Supports the AWRI's reporting obligations concerning BPA activities, to the Australian and South Australian Governments, and BPA.
10. Accepts that all Intellectual Property, Patents and discovery arising during the course of employment at the AWRI remains the property of the AWRI.
11. Undertakes other duties as directed by the Manager – Bioinformatics; Research Manager – Biosciences (AWRI) and/or the Managing Director (AWRI).
12. Promotes the general well being of the AWRI.

**Person Specification:**

1. Possess the technical and analytical proficiency to analyse genomic and transcriptomic experimental data.
2. Work independently.
3. Ability to work and communicate successfully within a multi-disciplinary environment.
4. Good oral and written communication skills.
5. Working knowledge of statistical analyses required of 'Omics data analysis.
6. Familiarity with Next Generation Sequencings data analysis software.;
7. Familiarity with Linux computing environment.

**Occupational Health Safety Welfare and Environment Responsibilities:**

1. Take reasonable care in regard to health, safety and the environment at work.
2. Avoid adversely affecting the health and safety of any other person through any act or omission at work.
3. Ensure that by the consumption of alcohol or drugs, they are not in such state as to endanger their own safety at work or the safety of any other person.
4. Not wilfully interfere with or misuse items or facilities provided in the interest of health, safety or welfare of employees.
5. Report all accidents, incidents, injuries, property damage in accordance with the AWRI agreed procedures.
6. Comply with the use and utilisation of appropriate personal protective equipment.
7. Participate in activities associated with the management of workplace health safety welfare and environment policies, procedures and management systems.
8. Support and use appropriate consultative structures.