



POSITION DESCRIPTION

Title of Position: Post Doctoral Research Scientist – Metabolomics

Reporting to: Research Scientist - Metabolomics

Overview:

This position resides in the South Australian node of Metabolomics Australia, which 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 contribute to the development and operation of AWRI's Metabolomics facility, and to undertake Metabolomics-type research projects as required by clients. The successful applicant will be required to work collaboratively on a range of Metabolomics projects at the AWRI and provide professional services in Metabolomics to the Australian scientific community and clients from industry, across a broad range of applications and fields.

Qualifications:

A PhD or equivalent in organic chemistry, analytical chemistry, or related field. Experience with liquid chromatography – mass spectrometry and gas chromatography – mass spectrometry is essential. Expertise in Metabolomics and Bioinformatics are highly desirable.

Principal Accountabilities:

1. Is responsible for experimental design, sample preparation, chemical analysis, data analysis and report preparation, for designated projects.
2. Takes responsibility for the adoption, development, validation, application and review of established and new metabolite profiling and targeted metabolite analytical methods, as directed by supervisor.
3. Actively contributes to the planning, execution and completion of research projects and service provision projects within designated project parameters.
4. Actively contributes to the reporting and dissemination of outcomes through regular reports, refereed and industry publications, seminars and workshops to a standard expected of AWRI presentations and publications.
5. Actively engages with clients to ensure a high level of customer service and quality scientific outcomes are achieved.

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6. Regularly searches, reviews and reports on emerging literature relating to developments in Metabolomics that could be of benefit to the Facility and advises on the direction of research.
7. Contributes to all operational activities of The AWRI-Metabolomics Facility including:
 - a. Assists with collaborative activities with other nodes of Metabolomics Australia, AWRI Commercial Services and other AWRI Research teams.
 - b. Reviews methods and/or data generated by the Metabolomics team.
 - c. Assists with the coordination of projects and operational supervision of other staff, visiting scientists and student(s).
 - d. Assists in the development of the client base for The AWRI-Metabolomics Facility
8. Identifies opportunities for continuous improvement, new services and other business opportunities.
9. Using best practice, records on a daily basis all activities, details of any experimental work and outcomes of data processing and interpretation.
10. Undertakes other duties as directed by the Supervisor, Group Manager – Research or Managing Director.
11. Promotes 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.
12. Accepts that all Intellectual Property, Patents and discovery arising during the course of employment at the AWRI remains the property of the AWRI.

Person Specification:

1. Practical understanding of and experience in scientific research,
2. High level of technical proficiency in analytical chemistry, particularly mass spectrometry based techniques,
3. Ability to work and communicate successfully with clients, stakeholders and within a multi disciplinary environment and across research and industry groups;
4. Ability to maintain effective working relationships and contribute positively in a team environment,
5. Ability to meet deadlines in the specified timeframe,
6. Superior oral and written communication skills.

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 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.