

Position Description

Title of position: Research Scientist/Senior Research Scientist

Reporting to: Research Manager

Overview:

To lead, manage and undertake strategic and applied research in wine chemistry, aiming to determine factors influencing the formation and fate of key non-volatile and/or volatile compounds in grapes and wine. To contribute to research regarding the formation and fate of key grape and wine compounds during wine production processes.

Qualifications:

PhD in Organic Chemistry or related field.

Experience:

At least three years undertaking relevant research to fulfil the requirements of the role of Research Scientist.

At least 5 years of leadership in relevant research, plus track record of successfully initiating and delivering projects for the role of Senior Research Scientist.

Principal accountabilities:

1. Lead, manage and undertake strategic and applied research in wine chemistry aiming to determine factors influencing the formation and structure-activity of key non-volatile and volatile compounds.
2. Initiate, plan, execute, complete and report research projects in a timely fashion and to a standard expected by the AWRI.
3. Seek opportunities to collaborate with academics and industry partners to support research and method development in wine chemistry.
4. Using best practice, record on a daily basis all activities, details of any experimental work and outcomes of data processing and interpretation.
5. Be responsible for appropriate quality control in verifying the performance of methods, and integrity of data.
6. 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 to a standard expected of the AWRI.
7. Regularly search, review and report on emerging literature relating to developments and trends in science (and grape growing and winemaking) that could be of benefit to industry and advise on the direction of research.

8. Foster and exploit opportunities to collaborate with industry partners to undertake trials which support research objectives and that have the potential for commercialisation.
9. Manages drafting and review of relevant risk assessments and standard operating procedures.
10. Undertake other duties as directed by the Research Manager, Director of Research, or Managing Director.
11. Accepts that all Intellectual Property, Patents and discovery arising during the course of employment at the AWRI remains the property of the AWRI.
12. Promotes the general wellbeing of the AWRI by ensuring that all contact with clients, staff or the public is performed in a professional and confidential manner.

Additional Accountabilities for Senior Research Scientist:

1. Seek out opportunities to diversify revenue and enlarge the funding pool for research.
2. Maintain and grow AWRI's scientific capabilities in mass spectrometry and analytical chemistry, including the management of key lab resources (including major instruments).
3. Manage financial, human and lab resources, risk and WHS in-line with AWRI policies.

Person specification:

1. Practical understanding of and experience in scientific research, with specific expertise organic chemistry and mass spectrometry.
2. Ability to work and communicate successfully within a multidisciplinary environment, across both 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/Team Leader.

Managers/Senior Staff are responsible for the implementation of WHS in their area of control, including to:

1. Support, encourage and enforce the application of WHS by their employees.

2. Ensure that all relevant WHS policies, procedures and systems are implemented.
3. Ensure that all hazards are identified, reported and controlled as far as is reasonably practicable, and that the control measures are monitored and reviewed.
4. Provide employees and students with adequate information, instruction, training and supervision to maintain their health, safety and welfare.
5. Ensure employees are consulted regarding changes to the workplace or work practices that may affect their health, safety or welfare.