# Position Details

## Research Scientist/Engineer- CSOF5

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| The following information is for applicants |
| Advertised Job Title | Research Scientist – Food Safety and Stability |
| Job Reference | 73564 |
| Tenure | Indefinite |
| Salary Range | AU$98,735 to AU$106,848 pa (pro-rata for part-time) + up to 15.4% superannuation |
| Location(s) | Werribee, VIC |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | Australian & New Zealand Citizens, and Australian Permanent Residents |
| Position reports to the | Team Leader – Applied Microbiology  |
| Client Focus – Internal | 60% |
| Client Focus – External | 40% |
| Number of Direct Reports | 0 |
| Enquire about this job | Contact Dr Lesley Duffy via email at Lesley.duffy@csiro.au or phone +61 7 3214 2055 |
| How to apply | Apply online at <https://jobs.csiro.au/> Internal applicants please apply via **Jobs Central**If you experience difficulties when applying, please email careers.online@csiro.au or call 1300 984 220. |

### Role Overview

CSIRO is seeking to appoint a researcher with expertise in food microbiology, microbial food safety and food product stability. The position is within CSIRO’s microbial food safety & stability capability working toconduct food safety and quality research for a range of stakeholders across a broad range of food sectors that investigates the risks and opportunities of microorganisms in food systems along with omics and bioinformatics investigations of key microorganisms involved in food processing, spoilage and foodborne illness. As a Research Scientist you will have the opportunity to build research and deliver outcomes that play a lead role in project delivery and solution generation.

Our microbial food safety & stability capability teams are part of the **Food Program** which delivers science that underpins the development and delivery of healthy, safe and sustainable foods, food ingredients and beverages for Australia’s food industry and global consumers.

The work of the Food Program is focused on three impact areas:

* **Healthy Foods and Ingredients:** premium high-palatable foods and beverages for health; healthy and functional ingredients; and consumers eating foods for healthier diets
* **Sustainable Food Manufacturing:** circular bio-economy; sustainable processing technologies; and food security and food systems
* **Trusted and Quality Foods:** trusted value chains – market access, safety, provenance and traceability; and meeting consumer expectations – taste, convenience and quality.

The role of Research Scientist Staff in CSIRO is to conduct innovative research leading to scientific achievements that are aligned with CSIRO’s strategies. You may be engaged in scientific activity ranging from addressing broad research questions to the investigation of specific industry or community problems. You will have the opportunity to build and maintain networks, play a lead role in securing project funds, provide scientific leadership, and pursue new ideas and approaches that create new concepts.

CSIRO’s mandate is to deliver world-class research that provides innovative solutions for industry, government and the community. The research effort is, therefore, mission-directed and impact-focussed and it is essential that the researcher has, or can readily develop, strong links with industry partners and other relevant stakeholders.

### Duties and Key Result Areas:

* Within broad guidelines, use professional expertise, knowledge of other disciplines and research experience/achievement to formulate, develop and complete an approved suite of client and strategic projects aligned to the impact areas of the Food Program.
* Collaborate effectively with multidisciplinary teams to investigate risks and opportunities of microorganisms in food systems along with omics and bioinformatics investigations of key microorganisms involved in food processing, spoilage and foodborne illness.
* Anticipate industry and/or community needs and market direction through client liaison/networking and identify and adapt quickly to changes.
* Lead and contribute to ensure timely project delivery including the conducting, interpretation, reporting and communication of research results to relevant audiences.
* Communicate openly, effectively and respectfully with staff, clients and suppliers in the interests of good business practice, collaboration and enhancement of CSIRO's reputation.
* Adhere to the spirit and practice of CSIRO's values, health, safety and environment plans and policies, wellbeing, culture building and diversity initiatives and zero harm goals.
* Other duties as directed.

## **Required Competencies:**

* **Teamwork and Collaboration:** Cooperates with others to achieve organisational objectives and may share team resources in order to do this. Collaborates with other teams as well as industry colleagues.
* **Influence and Communication:** Uses knowledge of other party's priorities and adapts presentations or discussions to appeal to the interests and level of the audience. Anticipates and prepares for others reactions.
* **Resource Management/Leadership:** Allocates activities, directs tasks and manages resources to meet objectives. Provides coaching and on the job training, recognises and supports staff achievements and fosters open communication in the team.
* **Judgement and Problem Solving:** Investigates underlying issues of complex and ill-defined problems and develops appropriate response by adapting/creating and testing alternative solutions.
* **Independence:** Plans, sets and works to meet challenging standards and goals for self and/or others. Recognises where endeavours will make the most impact or difference, decides on desired outcome and sets realistic goals to reach this target.
* **Adaptability:**Copes with ambiguity or situations that lack clarity. Adapts readily to changing circumstances and new responsibilities (which may include activities outside own preferences) in the interests of achieving team objectives. Recognises the need for and undertakes personal development as a result of changes.

## **Selection Criteria**

#### Essential

*Under CSIRO policy only those who meet all essential criteria can be appointed.*

1. A doctorate in food microbiology or a related field, with evidence of relevant postdoc experience OR equivalent with more than six years related experience in research.
2. Experience in designing, conducting, analysing and reporting food microbiology research across a broad range of food industries using a range of experimental approaches.
3. Track record of scientific dissemination that may include peer reviewed publications, technical/industry or government reports, presentations at scientific conferences, industry workshops or in public fora.
4. Demonstrated ability to lead and conduct research utilising a variety of omics and bioinformatic approaches or development of rapid methodologies for food applications
5. Evidence of anticipating industry and/or community needs and market direction through client liaison with demonstrated ability to attract external funding from the food industry.
6. Demonstrated ability to support a positive work culture that promotes collaboration, inclusiveness and accountability in the workplace.

## **Desirable:**

1. A strong network in the food industry, government and academia including those involved in food safety, processing and product development, regulatory standards and compliance.
2. Experience in either microbial physiology, biomarker identification/sensor development or risk profiling/modelling.
3. Evidence supporting an emerging national and/or international reputation in food safety and stability.

Special Requirements

Appointment to this role may be subject to conditions including provision of a national police check as well as other security/medical/character clearance requirements.

If the successful candidate is not an Australian Citizen or Permanent Resident, they may be required to undergo additional security clearances, which may include medical examinations and an international standardised test of English language proficiency (i.e. IELTS test).- https://ielts.com.au/

## **About CSIRO:**

We solve the greatest challenges through innovative science and technology. To find out more visit us [online](http://www.csiro.au/)!

Find out more about CSIRO [Agriculture and Food](https://www.csiro.au/en/Research/AF)