



## POSITION DESCRIPTION

Department of Agriculture and Food Systems  
Melbourne School of Land and Environment

### Lecturer/Senior Lecturer (Sensory Science)

|                                   |  |
|-----------------------------------|--|
| <b>POSITION NO</b>                | 0033062  |
| <b>CLASSIFICATION</b>             | Level B or C<br>Level of appointment to be determined according to qualifications, experience and level of academic achievement  |
| <b>SALARY</b>                     | Research Fellow, Level B: \$87,334 – \$103,705 pa<br>Senior Research Fellow, Level C: \$106,980 - \$123,353 pa   |
| <b>SUPERANNUATION</b>             | Employer contribution of 17%   |
| <b>EMPLOYMENT TYPE</b>            | Full-time continuing position  |
| <b>OTHER BENEFITS</b>             | <a href="http://hr.unimelb.edu.au/careers/working/benefits">hr.unimelb.edu.au/careers/working/benefits</a>   |
| <b>CURRENT OCCUPANT</b>           | New  |
| <b>HOW TO APPLY</b>               | Online applications are preferred. Go to <a href="http://www.jobs.unimelb.edu.au">www.jobs.unimelb.edu.au</a> and use the Job Search screen to find the position by title or number.             |
| <b>CONTACT FOR ENQUIRIES ONLY</b> | Associate Professor Brian Leury<br>Tel +61 3 8344 6341<br>Email <a href="mailto:brianjl@unimelb.edu.au">brianjl@unimelb.edu.au</a><br><i>Please do not send your application to this contact</i> |

For information about working for the University of Melbourne, visit our websites:

[hr.unimelb.edu.au/careers](http://hr.unimelb.edu.au/careers)  
[joining.unimelb.edu.au](http://joining.unimelb.edu.au)

## ***Position Summary***

The Melbourne School of Land and Environment (MSLE) aims to lead and build passion and excellence to solve society's major challenges relating to sustainable land, food and the environment.

The field of sensory science has grown exponentially over the last decade and plays an important role in the food industry's understanding of food preferences both domestically and internationally. Federal and State Governments are committed to supporting increased research and training activities in food and nutrition, through partnerships with industry and government, as well as strategic university investment. MSLE's Department of Agriculture and Food Systems (DAFS) is committed to developing research capability in the area of sensory science through the appointment of a dynamic Lecturer/Senior Lecturer in Sensory Science.

The Victorian-based food industry is keen to work with the University, providing exciting opportunities for collaborative research. You will be expected to foster links with the food industry and to lead a sensory science research program, linking in with other related activities in DAFS and the wider University, across Australia and internationally. There are excellent opportunities for collaboration with the faculties of Science and Medicine, Dentistry and Health Science.

There is growing interest in sensory science among students at the University of Melbourne, both at undergraduate and postgraduate degree levels. You will make innovative and valuable contributions to teaching; supervise honours, postgraduate coursework and research higher degree students; and enjoy the opportunity to contribute to an exciting industry and interact with a student audience numbering into the thousands annually.

You will also promote the intellectual and collegial environment and contribute to administrative and strategic activities at the Department, School and, possibly, University levels.

The position is open to academics of outstanding promise and vision in applying the new and emerging technologies in sensory science. You will be appointed as either a Lecturer or Senior Lecturer, dependent on your qualifications, experience and level of academic achievement.

### ***1. Selection Criteria***

In order to be considered for interview by the Selection Panel, applicants must address all of the following Essential Selection Criteria in their application. For information on how to address selection criteria, please visit <http://hr.unimelb.edu.au/careers/search/info/selection-criteria>

#### **1.1 ESSENTIAL**

For appointment to Level B

- ▶ A PhD awarded in a relevant discipline (chemistry, chemical engineering, statistics, physiology, food / wine or similar or closely related discipline), as well as a demonstrated contribution to a sensory science-related discipline, especially to food, at the national level.
- ▶ Demonstrated ability to undertake independent original research, delivering against research objectives evidenced by a record of peer-reviewed publications and journal articles, as well as oral and written presentations to industry and lay audiences.
- ▶ Demonstrated capacity to lead and provide quality teaching and learning in sensory science.

- ▶ Demonstrated ability to engage with relevant professional and industry bodies and stakeholders to foster collaborative partnerships.
- ▶ Excellent communication skills in English, written and oral, appropriate for scientific audiences as well as excellent organisational and administrative abilities and strong inter-personal skills.
- ▶ Demonstrated capacity to provide academic mentoring, counselling and consultation to students and/or more junior staff.
- ▶ Demonstrated ability to work with people of diverse cultural backgrounds.

In addition to the above, for appointment to level C

- ▶ Demonstrated significant experience in leading, conducting and managing research programs and delivering against research objectives.
- ▶ Significant contribution to the discipline at the national level as being influential in expanding the knowledge of the discipline demonstrated by a strong record of published work in refereed publications, journal articles, and oral and written presentations for academic, industry and lay audiences.
- ▶ Demonstrated capacity to attract and sustain research funding.
- ▶ Demonstrated capacity to lead and supervise research projects at honours and graduate levels.

## 1.2 DESIRABLE

For both Levels B and C

- ▶ Demonstrated contribution to sensory science related to both food and wine at the national level.
- ▶ Demonstrated experience with teaching at undergraduate, honours and postgraduate levels and supervision of postgraduate research students through to timely completions.
- ▶ Significant working knowledge of systems used to measure sensory output, including computer programs (eg. FIZZ) and statistical analysis of these results.
- ▶ Demonstrated competency in use of technical sensory measurement methodologies such as mass spectrometer and magnetic resonance imaging (MRI).
- ▶ Significant practical experience in recruiting and training sensory panels.
- ▶ Significant interdisciplinary work related to sensory science.

## 2. Special Requirements

- 2.1 Annual leave must be taken at a time which accommodates the peak workflows of the area.
- 2.2 As the Melbourne School of Land and Environment is located over several metropolitan and regional campuses, staff may be required to travel to, or work from, other sites and campuses as required.

## 3. Key Responsibilities

The University of Melbourne sets 'Minimum Standards for Academic Levels' (MSALs) which are expected from academic staff. The levels are differentiated by level of complexity, degree of autonomy, leadership requirements of the position, and level of achievement of the academic.

Below are the MSALs for both Level B and Level C academic staff. The Key Responsibilities, outlined under 3.1 to 3.5 below, are to be read in conjunction with the appropriate MSAL which may be amended from time to time.

#### MSAL Level B - Research Fellow (Grade 2) or Lecturer

A level B academic will undertake independent teaching and/or research in their discipline or related area. In research and/or teaching and/or scholarship, a level B academic will make an independent contribution through professional practice and expertise and coordinate and/or lead the activities of other staff, as appropriate to the discipline.

A level B academic will contribute to teaching at undergraduate, honours and postgraduate level, and/or engage in independent scholarship and/or undertake research and/or engage in professional activities appropriate to his or her profession or discipline. They will undertake administration primarily relating to their activities at the institution and may be required to perform the full academic responsibilities of, and related administration for, the coordination of an award program of the institution.

At level B an academic will have experience in research or scholarly activities, which have resulted in refereed journals or other demonstrated scholarly activities. Research may be carried out independently and/or as part of a team. Level B academics may supervise postgraduate research students or projects and be involved in research training.

#### MSAL Level C – Senior Research Fellow or Senior Lecturer

A Level C academic will make a significant contribution to the discipline at the national level. In research, scholarship and/or teaching he or she will make independent and original contributions, which expand knowledge or practice in his or her discipline and have a significant impact on his or her field of expertise.

A Level C academic will make a significant contribution to research and/or scholarship and/or teaching and/or administration activities of an organisational unit or an interdisciplinary area at undergraduate, honours and postgraduate level. He or she may undertake research. He or she will play a major role or provide a significant degree of leadership in scholarly, research and/or professional activities relevant to the profession, discipline and/or community and may be required to perform the full academic responsibilities of, and related administration for, the coordination of a large award program or a number of smaller award programs of the institution.

The research work of a Level C academic will be acknowledged at a national level as being influential in expanding the knowledge of his or her discipline. This standing will be demonstrated by a strong record of published work or other demonstrated scholarly activities. A Level C academic will normally provide leadership in research, including research training and supervision.

### 3.1 CONTRIBUTION TO TEACHING AND LEARNING

In line with the relevant MSAL for either a Level B or C above:

- ▶ Lead, contribute, coordinate and supervise the School's teaching in sensory education including development of new subjects in consultation with course coordinators.
- ▶ Make personal and original contributions to teaching and learning at all levels (eg deliver lectures, workshops and seminars; conduct tutorials, practical classes and field classes; set and examine assessable tasks; provide student advice; and contribute to the development of subjects and curricula).
- ▶ Provide academic input and leadership across the Department, School and, when appropriate, the University.
- ▶ Lead and contribute to the development of innovative programs and effectively and efficiently manage teaching and learning activities.
- ▶ Maintain currency with the latest ideas in the discipline to enable teaching in the discipline.
- ▶ Identify sources of funding to support individual or collaborative projects related to the teaching practice in the discipline.

### 3.2 RESEARCH AND RESEARCH TRAINING (ADVANCEMENT OF THE DISCIPLINE)

In line with the relevant MSAL for either a Level B or C:

- ▶ It is an expectation that the incumbent will conduct independent and original research as well as contribute to the reporting required to meet the project milestones and reporting schedule. It is further expected that the incumbent will fully immerse in the research culture of MSLE.
- ▶ Attend and participate in Research Showcase events, including Open Day, and give internal and external seminars/lectures on topic areas relevant to the role.
- ▶ Initiate, lead and undertake sustained original research with particular focus on food and wine resulting in the publication of research in peer-reviewed journals, articles and oral and written presentations to industry and lay audiences.
- ▶ Identify, attract, and sustain research funding from competitive research grants and other funding sources.
- ▶ Lead and foster research activities of staff and students as well as act as mentor.
- ▶ Promote, develop and foster strategic partnerships with industry organisations, funding bodies and government agencies, particularly in the wine and food industries.
- ▶ Supervise research students and ensure completions in a timely manner.

### 3.3 ENGAGEMENT

In line with the relevant MSAL for either a Level B or C:

- ▶ Maintain independent and original contributions to research and scholarly activities ensuring a strong record of published work in refereed publications, journal articles, and oral and written presentations for academic, industry and lay audiences.
- ▶ Maintain knowledge partnerships with food and/or wine growers and their key organisations, such as the Grape and Wine Research and Development Corporation, Australian Wine Research Institute, Wine Victoria and Wine Australia.
- ▶ Expand the knowledge of the discipline which impacts the field.

### 3.4 LEADERSHIP AND SERVICE

In line with the relevant MSAL for either a Level B or C:

- ▶ Lead, develop and participate in cross-discipline and cross-institution strategic projects.
- ▶ Deliver knowledge exchange and engagement activities for end-users, industry, government and the community.
- ▶ Contribute to and participate in committees, events such as Open Day and other activities at the Department, School and University levels.
- ▶ Contribute to administrative activities, policy development and strategic activities at the Department, School and, possibly, University levels.
- ▶ Participate in the communication and dissemination of information relating to the discipline.
- ▶ Undertake administration primarily relating to the activities of the role.
- ▶ Attendance at relevant conferences and incorporate learning's into practice.

### 3.5 RESPONSIBILITY AND COMPLIANCE

- ▶ Maintain a sound knowledge of current University Policy and Procedures, and reliably follow these or provide compliant advice to others;
- ▶ Reliably follow communications protocols and/or policies as appropriate.
- ▶ Occupational Health and Safety (OH&S) and Environmental Health and Safety (EH&S) responsibilities as outlined in Section 5.
- ▶ Behavioural Expectations - All staff are expected to maintain the following behaviours:
  - ▶ Treat everyone equitably; act fairly with staff and demonstrate respect for diversity
  - ▶ Be an effective team player who is cooperative and gains the trust and support of staff, peers and clients through collaboration.

## 4. Other Information

### 4.1 DEPARTMENT OF AGRICULTURE AND FOOD SYSTEMS

<http://www.land-environment.unimelb.edu.au/about-us/our-departments/dafs.html>

By improving the use of scarce resources for production and distribution of food and fibre, Department of Agriculture and Food Systems researchers are working towards a sustainable farming future. Global food security is the greatest challenge of the next century, and it is essential that the agricultural industry is supported with innovative research, advanced technology and societal adjustments to make this possible.

Our academics are experts in plant molecular biology and biotechnology, animal science and production, soil and plant nutrition, food science and biotechnology, efficient use of water for irrigation and in dairies, innovative and environmentally sustainable agricultural, horticultural and viticultural production systems and agribusiness processes.

Major research activities underway include the development of simulation models of the soil-plant-animal system and their application to problems of improving pasture consumption and adaptation, regulation of growth and development of farm animals,

animal and human nutrition, and options for the abatement of methane and nitrous oxide from Victorian agriculture.

#### 4.2 MELBOURNE SCHOOL OF LAND AND ENVIRONMENT

<http://www.land-environment.unimelb.edu.au/>

MSLE's vision is to lead and build passion and excellence to solve society's major challenges of sustainable land, food and environment.

We have around 1,700 students in undergraduate, postgraduate coursework, and research training programs, over 350 staff, a \$90m budget (including around \$23m in research funding), and robust connections with industry, government and community stakeholders. A faculty of many disciplines, we are one of Australia's most diverse university faculties. Our interdisciplinary approach applies scientific, social, political and economic perspectives to address the needs of both human communities and the natural environment. We address the issues of climate change, food security, water management, sustainable use of resources, changes in urban ecosystems and other problems challenging key decision makers today.

Research-led teaching and research is undertaken by our academic departments, Agriculture and Food Systems, Forest and Ecosystem Science, Resource Management and Geography, and the Office for Environmental Programs and we have operations across four University campuses at Burnley, Creswick, Dookie and Parkville.

MSLE academic staff engage with government and industry to investigate critical societal issues and is home to University research centres dedicated to this work. They include: Animal Welfare Science Centre; Primary Industries Adaptation Research Network; Primary Industry Climate Challenges Centre; and the Victorian Centre for Climate Change Adaptation Research

#### 4.3 THE UNIVERSITY OF MELBOURNE

The University of Melbourne is a leading international university with a tradition of excellence in teaching and research. With outstanding performance in international rankings, Melbourne is at the forefront of higher education in the Asia-Pacific region and the world. The University of Melbourne is consistently ranked among the world's top universities. Further information about our reputation and global ranking is available at [www.futurestudents.unimelb.edu.au/explore/about/reputation-rankings](http://www.futurestudents.unimelb.edu.au/explore/about/reputation-rankings)

Established in 1853, shortly after the founding of Melbourne, the University is located just a few minutes from the centre of this global city. The main Parkville campus is recognised as the hub of Australia's premier knowledge precinct comprising eight hospitals, many leading research institutes and a wide range of knowledge-based industries.

The University employs people of outstanding calibre and offers a unique environment where staff are valued and rewarded. Further information about working at The University of Melbourne is available at [hr.unimelb.edu.au/careers](http://hr.unimelb.edu.au/careers).

#### 4.4 GROWING ESTEEM, THE MELBOURNE MODEL AND RESEARCH AT MELBOURNE: ENSURING EXCELLENCE AND IMPACT TO 2025

- ▶ Growing Esteem describes Melbourne's strategy to achieve its aspiration to be a public-spirited and internationally-engaged institution, highly regarded for making

distinctive contributions to society in research and research training, learning and teaching, and engagement. [www.growingesteem.unimelb.edu.au](http://www.growingesteem.unimelb.edu.au)

- ▶ The University is at the forefront of Australia's changing higher education system and offers a distinctive model of education known collectively as the Melbourne Model. The new educational model, designed for an outstanding experience for all students, is based on six broad undergraduate programs followed by a graduate professional degree, research higher degree or entry directly into employment. The emphasis on academic breadth as well as disciplinary depth in the new degrees ensures that graduates will have the capacity to succeed in a world where knowledge boundaries are shifting and reforming to create new frontiers and challenges. In moving to the new model, the University is also aligning itself with the best of emerging European and Asian practice and well-established North American traditions.
- ▶ The University's global aspirations seek to make significant contributions to major social, economic and environmental challenges. Accordingly, the University's research strategy *Research at Melbourne: Ensuring Excellence and Impact to 2025* aspires to a significant advancement in the excellence and impact of its research outputs. <http://www.unimelb.edu.au/research/research-strategy.html>

The strategy recognises that as a public-spirited, research-intensive institution of the future, the University must strive to make a tangible impact in Australia and the world, working across disciplinary and sectoral boundaries and building deeper and more substantive engagement with industry, collaborators and partners. While cultivating the fundamental enabling disciplines through investigator-driven research, the University has adopted three grand challenges aspiring to solve some of the most difficult problems facing our world in the next century. These Grand Challenges include:

*Understanding our place and purpose* – The place and purpose grand challenge centres on understanding all aspects of our national identity, with a focus on Australia's 'place' in the Asia-Pacific region and the world, and on our 'purpose' or mission to improve all dimensions of the human condition through our research.

*Fostering health and wellbeing* – The health and wellbeing grand challenge focuses on building the scale and breadth of our capabilities in population and global health; on harnessing our contribution to the 'convergence revolution' of biomedical and health research, bringing together the life sciences, engineering and the physical sciences; and on addressing the physical, mental and social aspects of wellbeing by looking beyond the traditional boundaries of biomedicine.

*Supporting sustainability and resilience* – The sustainability and resilience grand challenge addresses the critical issues of climate change, water and food security, sustainable energy and designing resilient cities and regions. In addition to the technical aspects, this grand challenge considers the physical and social functioning of cities, connecting physical phenomena with lessons from our past, and the implications of the technical solutions for economies, living patterns and behaviours.

Essential to tackling these challenges, an outstanding faculty, high performing students, wide collaboration including internationally and deep partnerships with external parties form central components of *Research at Melbourne: Ensuring Excellence and Impact to 2025*.

#### 4.5 EQUITY AND DIVERSITY

Another key priority for the University is access and equity. The University of Melbourne is strongly committed to an admissions policy that takes the best students, regardless of

financial and other disadvantage. An Access, Equity and Diversity Policy Statement, included in the University Plan, reflects this priority.

The University is committed to equal opportunity in education, employment and welfare for staff and students. Students are selected on merit and staff are selected and promoted on merit.

#### 4.6 GOVERNANCE

The Vice Chancellor is the Chief Executive Officer of the University and responsible to Council for the good management of the University.

Comprehensive information about the University of Melbourne and its governance structure is available at [www.unimelb.edu.au](http://www.unimelb.edu.au).

### ***5. Occupational Health and Safety (OHS)***

All staff are required to take reasonable care for their own health and safety and that of other personnel who may be affected by their conduct.

OHS responsibilities applicable to positions are published at:

<http://safety.unimelb.edu.au/topics/responsibilities/>

These include general staff responsibilities and those additional responsibilities that apply for Managers and Supervisors and other Personnel.