



POSITION DESCRIPTION

School of Chemistry
Faculty of Science

Research Fellow in Environmental Chemistry

POSITION NO 0062793

CLASSIFICATION Level A

SALARY \$83,468 - \$113,262 p.a. (pro rata for part-time)
(*PhD entry level \$105,518 p.a.)

SUPERANNUATION Employer contribution of 17%

WORKING HOURS Full-Time (1.0 FTE)

BASIS OF EMPLOYMENT Fixed-Term 2 years

FLEXIBLE EMPLOYMENT

The University of Melbourne is strongly committed to supporting diversity and flexibility in the workplace. Applications for part-time or other flexible working arrangements will be welcomed and will be fully considered subject to meeting the inherent requirements of the position.

OTHER BENEFITS <http://about.unimelb.edu.au/careers/working/benefits>

HOW TO APPLY Online applications are preferred. Go to <http://about.unimelb.edu.au/careers>, select the relevant option ('Current Staff' or 'Prospective Staff'), then find the position by title or number.

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Please do not send your application to this contact

For information about working for the University of Melbourne, visit our website:
about.unimelb.edu.au/careers

Acknowledgement of Country

The University of Melbourne acknowledges the Traditional Owners of country throughout Australia. The University recognises the unique place held by Aboriginal and Torres Strait Islander peoples as the original custodians of country and their continued connection to the land, waterways, songlines and culture. The University respects all Aboriginal and Torres Strait Islander People and warmly embrace those students, staff, Elders and collaborators who identify as First Nations.

Position Summary

The Pollution & Health Hallmark Research Initiative (HRI) at the University of Melbourne aims to address the urgent health threat posed by 21st-century synthetic chemicals. By bringing together multidisciplinary research expertise, the initiative seeks to develop innovative solutions to monitor, assess, and mitigate the health impacts of novel environmental pollutants.

We are seeking a highly motivated Postdoctoral Researcher to join our dynamic team with experience in mass spectrometry for pollutant analysis. The successful candidate will play a crucial role in conducting research focused on understanding the health impacts of pollution. This position offers the opportunity to contribute to high-impact research projects, collaborate with a multidisciplinary team, and develop new methodologies in the field of environmental health sciences.

We encourage applicants from under-represented groups, including Aboriginal and Torres Strait Islander people. To allow us to consider performance relative to opportunity, we also invite applicants to provide a brief statement (up to 1 page) that describes circumstances that may have affected their career development or progression, including career interruptions or delays, periods of part time work, or forms of bias they have experienced.

1. Key Responsibilities

As with all positions, career achievements will be interpreted relative to opportunity, including career disruptions due to caring responsibilities, time in industry, illness etc.

1.1 RESEARCH AND RESEARCH TRAINING

The appointee will be expected to:

- ▶ You are expected to significantly contribute towards the research effort of the team and to develop your research expertise with an increasing degree of autonomy.
- ▶ Under the guidance and support of Senior Academic staff conduct internationally competitive research, resulting in publications in high impact journals.
- ▶ Contribute to and publish academic papers and other scholarly outputs to a high academic standard in accordance with the research expectations of the University of Melbourne
- ▶ Actively participate in research seminars and conferences to disseminate research findings as opportunities arise.
- ▶ Contribute to the preparation, or where appropriate individual preparation of research proposal submissions to internal or external funding bodies as relevant.
- ▶ Undertake administrative functions and obligations primarily connected with the staff member's area of research.

- ▶ Engage with relevant professional and industry bodies and stakeholders to foster collaborative partnerships.

2. Selection Criteria

2.1 ESSENTIAL

- ▶ Completion (or near completion) of a PhD in environmental chemistry or a related discipline
- ▶ Demonstrated experience in advanced environmental analytical mass spectrometry quantitative analysis and/or non-target analysis for pollution biomonitoring and health risk assessment.
- ▶ Ability to prepare research reports and manuscripts for publication, with a demonstrated aptitude for research, sound publication record in relevant areas, commensurate with experience and opportunities.
- ▶ Ability to work co-operatively and positively in a multi-disciplinary research-based team environment and be a good communicator to liaise with people from diverse backgrounds.
- ▶ Demonstrated excellent organisational skills to meet deadlines and bring projects to a timely completion. Ability to develop, administer and see through to completion appropriately designed research projects with limited supervision.
- ▶ Demonstrated commitment to scientific outreach and engagement, disseminating our findings to the broader academic community, industry partners, and the public to foster collaboration and impact beyond the laboratory.

2.2 DESIRABLE

- ▶ The ability to attract external funding through grant applications and/or support in funded joint projects with others internal or external to the university.
- ▶ Experience in assisting with supervision of students undertaking undergraduate or higher degree research projects.

2.3 OTHER JOB-RELATED INFORMATION

3. Equal Opportunity, Diversity and Inclusion

The University is an equal opportunity employer and is committed to providing a workplace free from all forms of unlawful discrimination, harassment, bullying, vilification and victimisation. The University makes decisions on employment, promotion, and reward on the basis of merit.

The University is committed to all aspects of equal opportunity, diversity and inclusion in the workplace and to providing all staff, students, contractors, honorary appointees, volunteers and visitors with a safe, respectful and rewarding environment free from all forms of unlawful discrimination, harassment, vilification and victimisation. This commitment is set out in the Advancing Melbourne strategy that addresses diversity and inclusion, equal employment opportunity, discrimination, sexual harassment, bullying and appropriate workplace behaviour. All staff are required to comply with all University policies.

The University values diversity because we recognise that the differences in our people's age, race, ethnicity, culture, gender, nationality, sexual orientation, physical ability and background bring richness to our work environment. Consequently, the People Strategy sets out the strategic aim to drive diversity and inclusion across the University to create an environment where the compounding benefits of a diverse workforce are recognised as vital in our continuous desire to strive for excellence and reach the targets of Advancing Melbourne.

4. 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.

5. Other Information

5.1 SCHOOL OF CHEMISTRY

www.chemistry.unimelb.edu.au

The School of Chemistry at The University of Melbourne is one of the largest and oldest in Australia with a distinguished history in teaching and research. The first lectures in chemistry in The University of Melbourne were given in 1856, only three years after the University was founded. Since then the School has grown and developed and there are presently over 2500 undergraduates enrolled in Chemistry subjects, with more than 150 BSc (Hons), MSc and PhD research students. Teaching and undertaking research in the School are 23 continuing research and teaching staff, and over 30 research only staff, supported by a team of technical and administrative personnel.

The School has an excellent international reputation in research and an outstanding record of achievement in attracting external research funding. There is an ongoing program to keep its research facilities at world standard and to focus our research efforts. This has involved progressive upgrading of the School's laboratories, the purchase of state-of-the-art instrumentation and recruitment of academics with a strong research profile.

The School of Chemistry is a key participant in the Bio21 Institute, a major world-class biotechnology initiative in Victoria. New purpose-built research laboratories for research groups in the School are housed in the Chemistry Building and the Bio21 Institute of Molecular Science and Biotechnology. In addition, we are building stronger links with other disciplines within the University and with other research institutions locally and internationally.

Research in the School of Chemistry covers a wide spectrum from the design, synthesis and properties of new materials through to protein structure and chemistry. Many research programs sit at interdisciplinary boundaries with physics, engineering, biology and biochemistry. The School has a collegial environment, where the contributions of all academic, research and professional staff are valued equally. The School values Diversity

and Inclusion deeply and has an active and visible D&I committee, which reports directly to the School Executive.

5.2 FACULTY OF SCIENCE

<http://www.science.unimelb.edu.au>

Science at Melbourne is a global leader across fundamental and impactful scientific research and education. Science begins with curiosity, and we are dedicated to understanding the universe from the level of sub-atomic particles to the solar system. We aim to be leaders who positively impact the community locally and globally, addressing major societal issues from climate change to disease. Our discoveries help build an understanding of the world around us.

Our strength is our breadth of expertise. We are the second largest faculty in the University comprising seven schools: Agriculture, Food & Ecosystem Sciences, BioSciences, Chemistry, Geography, Earth & Atmospheric Sciences, Mathematics & Statistics, Physics and Veterinary Science.

This depth of knowledge positions the faculty to better understand, explore and impact our world and humanity, within a truly comprehensive Faculty of Science.

We have more than 150 years of experience in pioneering scientific thinking and analysis, leading to outstanding teaching and learning and offer a curriculum based on highly relevant research. We aim to train students with the knowledge and intellectual flexibility to drive the industries of tomorrow and lead across all levels of society.

We offer a range of undergraduate, honours, graduate and research degrees, enrolling more than 11,500 undergraduate and 3,750 graduate students.

We are dedicated to delivering leading transformative educational outcomes, underpinned by research, and an inclusive and inspiring student experience.

Excellence comes in many forms and diversity of thought, perspective and disciplines is essential to deliver globally leading science. At the core of our success is our focus on an inclusive environment for all in our community. Our Faculty's focus on equity, inclusion and belonging is grounded in our endeavour to ensure we are best placed to advance research, teaching and serve diverse national and global communities.

As a Science community we sit across five of the University's campuses – Parkville, Dookie, Burnley, Creswick and Werribee. This reach provides us with a unique perspective that is beneficial to our teaching and research. It also means we can offer our students a greater variety of learning experiences and internships to engage with industry partners to solve real-world issues.

The Faculty is custodian of the Bio21 Molecular Science and Biotechnology Institute, Melbourne Energy Institute, Melbourne Biodiversity Institute, Office for Environmental Programs, Australian Mathematical Sciences Institute (AMSI) and the Indigenous Knowledge Institute and home to numerous Centres.

5.3 THE UNIVERSITY OF MELBOURNE

Established in 1853, the University of Melbourne is a leading international university with a tradition of excellence in teaching and research. The main campus in Parkville 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. With

outstanding performance in international rankings, the University is at the forefront of higher education in the Asia-Pacific region and the world.

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 <http://about.unimelb.edu.au/careers>.

5.4 ADVANCING MELBOURNE

The University's strategic direction is grounded in its purpose. While its expression may change, our purpose is enduring: to benefit society through the transformative impact of education and research. Together, the vision and purpose inform the focus and scale of our aspirations for the coming decade.

Advancing Melbourne reflects the University's commitment to its people, its place, and its partners. Our aspiration for 2030 is to be known as a world-leading and globally connected Australian university, with our students at the heart of everything we do.

- We will offer students a distinctive and outstanding education and experience, preparing them for success as leaders, change agents and global citizens.
- We will be recognised locally and globally for our leadership on matters of national and global importance, through outstanding research and scholarship and a commitment to collaboration.
- We will be empowered by our sense of place and connections with communities. We will take opportunities to advance both the University and the City of Melbourne in close collaboration and synergy.
- We will deliver this through building a brilliant, diverse and vibrant University community, with strong connections to those we serve.

The means for achieving these goals include the development of the University of Melbourne's academic and professional staff and the capabilities needed to support a modern, world-class university. Those means require a commitment to ongoing financial sustainability and an ambitious infrastructure program which will reshape the campus and our contribution to the communities we engage with. This strategy, and the priorities proposed, is centred around five intersecting themes: place, community, education, discovery and global.

5.5 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 <http://www.unimelb.edu.au/governance>