



Position Description – Research Assistant

Position Details

Position Title:	Research Assistant
College/Portfolio:	STEM College
School/Group:	School of Science
Campus Location:	Based at the City campus, however, may be required to work and/or be based at other campuses of the University.
Classification:	Academic Level A
Employment Type:	Fixed Term (Research)
Time Fraction:	1.0

RMIT University

RMIT is a multi-sector university of technology, design and enterprise. The University's mission is to help shape the world through research, innovation and engagement, and to create transformative experiences for students to prepare them for life and work. For more information on RMIT University follow the links below.

<https://www.rmit.edu.au/about>

<https://www.universitiesaustralia.edu.au/university/rmit-university/>

<https://www.rmit.edu.au/about/facts-figures>

Our three main campuses in Melbourne are located in the heart of the City, Brunswick, Bundoora and Point Cook, along with other Victorian locations. There are also two campuses in Vietnam (Hanoi and Ho Chi Minh City) and a centre in Barcelona, Spain. RMIT is a truly global university.

<https://www.rmit.edu.au/about/our-locations-and-facilities>

We are also committed to redefining our relationship in working with, and supporting, Indigenous self-determination. Our goal is to achieve lasting transformation by maturing our values, culture, policy and structures in a way that embeds reconciliation in everything we do. We are changing our ways of knowing, working and being to support sustainable reconciliation and activate a relationship between Indigenous and non-Indigenous staff, students and community. Our three campuses in Melbourne (City, Brunswick and Bundoora campuses) are located on the unceded lands of the people of the Woi Wurrung and Boon Wurrung language groups of the eastern Kulin Nation.

Why work at RMIT University

Our people make everything at the University possible. We encourage new approaches to work and learning, stimulating change to drive positive impact. Find out more about working at RMIT University, what we stand for and why we are an Employer of Choice.

<https://www.rmit.edu.au/careers>

We want to attract those who will make a difference. View RMIT's impressive standings in university rankings.

<https://www.rmit.edu.au/about/facts-figures/reputation-and-rankings>

STEM College

The STEM College holds a leading position and expertise in the science, technology, engineering, mathematics and health (STEM) fields. We are uniquely positioned to influence and partner with industry, as never before.

STEM College is a community of exceptional STEM researchers, teachers, inventors, designers and game-changers, supported by talented professional staff. We offer higher education programs across all STEM disciplines at the Bachelor, Master and PhD levels, and ensure our students experience an education that is work-aligned and life-changing.

The College is renowned for its exemplary research in many STEM areas including advanced manufacturing and design; computing technologies; health innovation and translational medicine; nano materials and devices; and sustainable systems. Our brilliant researchers attract funding from government and industry sources.

Industry is at the heart of what we do. It ensures our research has real world impact, and our students are truly work-ready. Under the leadership of DVC STEM College & Vice President, Digital Innovation, we have established new hubs of industry-connected digital innovation and endeavour and are engaging with global STEM organisations at scale.

Our diversity and shared values empower our work, and we are proud of the College's inclusive, caring culture. We offer a safe, dynamic work environment, and support every member of our community to achieve their potential. The College appointed Victoria's first ever Dean of STEM, Diversity & Inclusion in 2020, and this role drives gender equity, diversity and inclusion strategies across the College.

STEM College employs 1,000 staff who deliver onshore and offshore programs to approximately 20,000 students.

We are here to positively impact the world and create the next generation of STEM leaders.

www.rmit.edu.au/seh

Position Summary

The Research Assistant will work with research teams using experimental approaches for the discovery and development of advanced materials for energy storage applications. The Fellow will be based in Applied Chemistry and Environmental Science in the School of Science at RMIT University and will collaborate widely with national and international investigators involved in Sustainable Energy.

The Research Assistant will undertake research activities in line with RMIT's research strategies. The Research Assistant will also participate in the day-to-day operations of the project. They will carry out independent and/or team research which will have a significant impact in materials science, specifically related to the Sustainable Energy and be acknowledged at a national level as being influential in expanding chemistry and materials knowledge related to electrochemistry.

The Research Assistant is expected to plan, develop and engage in high quality research projects through the development of high-quality, productivity-driven research networks across RMIT with local and national, internal and external partners. The Research Assistant is expected to achieve success in attracting research funding and to produce high quality outputs including publications and patents.

Reporting Line

Reports to: Professor

Direct reports: Prof. Dan Liu, Applied Chemistry & Environmental Science

Organisational Accountabilities

RMIT University is committed to the health, safety and wellbeing of its staff. RMIT and its staff must comply with a range of statutory requirements, including equal opportunity, occupational health and safety, privacy and trade practice. RMIT also expects staff to comply with its policy and procedures, which relate to statutory requirements and our ways of working.

RMIT is committed to providing a safe environment for children and young people in our community. Read about our commitment and child safe practices. <https://www.rmit.edu.au/about/our-locations-and-facilities/facilities/safety-security/child-safety>.

Appointees are accountable for completing training on these matters and ensuring their knowledge and the knowledge of their staff is up to date.

Key Accountabilities

- Initiate and conduct research under limited supervision either as a member of a team, or independently (where appropriate), to achieve the objectives of the ARC Discovery Project funded project relating to development of Advanced materials for Energy application.
- Contribute to building an active international research record; prepare and publish research outcomes in high quality refereed journals or books; the generation of external research income.
- Effectively produce data and maintain data protocols. Conduct preliminary data cleaning, screening and analysis.
- Constructively contribute to a vibrant research team and institute, including participating with colleagues in developing and maintaining links and partnerships with industry and the wider community.
- May undertake limited teaching and learning program activities appropriate to areas of expertise.
- Exhibit a values-based approach to academic and professional activities including commitment to 'Responsible Practice' recognising, interpreting, and acting upon multiple principles and values including reconciliation, cultural safety, ethical responsibility, diversity and inclusion, in all activities and relationships.
- Comply with occupational health and safety policies and procedures.

Key Selection Criteria

1. Evidence of experience in well-developed, hands-on laboratory synthesis of advanced two dimensional (2D) layered nanomaterials and their characterisation.
2. Evidence of experience in manipulating materials for improving the performance of electrochemistry.
3. Evidence of experience in manipulating materials for flexible or wearable energy application.

- 4. Emerging track record and recognition for quality research outputs, which will contribute to existing Discipline and School research areas evidenced by publications, development of new research initiatives, and competitive research funding.
- 5. Demonstrated ability to work with and supervise higher degree by research candidates.
- 6. Ability to build effective networks with colleagues resulting in collaborative outcomes.
- 7. Excellent interpersonal and communications skills appropriate for interacting with higher degree by research candidates, staff and industry, together with a strong commitment to teamwork and multidisciplinary collaboration.

Qualifications

Mandatory: PhD or equivalent in relevant field.

Note: Appointment to this position is subject to passing a Working with Children Check and other checks as required by the specific role. Maintaining a valid Working With Children Check is a condition of employment at RMIT.

Endorsed:	Signature: Name: Title: Date:	Approved:	Signature: Name: Title: Date:
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