



## Position Description – Research Fellow

### Position Details

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<b>Position Title:</b>	Research Fellow
<b>College/Portfolio:</b>	STEM College
<b>School/Group:</b>	School of Science
<b>Campus Location:</b>	Based at City campus but may be required to work and/or be based at other campuses of the University.
<b>Classification:</b>	Academic Level B1-B3 (depending on the prior experience)
<b>Employment Type:</b>	Fixed Term (Research) – 1 year
<b>Time Fraction:</b>	1.0 FTE

### RMIT University

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RMIT is a multi-sector university of technology, design and enterprise with more than 96,000 students and close to 10,000 staff globally. 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.

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

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

Our three main campuses in Melbourne are located in the heart of the City, Brunswick and Bundoora. Other locations include Point Cook, Hamilton and Bendigo, 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

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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

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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](http://www.rmit.edu.au/seh)

## School of Science

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The School of Science delivers excellence in applied research and education, engaging in strong impactful industry partnerships and producing skilled, industry-ready graduates.

The School employs over 120 academic and 60 FTE research staff across five academic Disciplines (Applied Chemistry and Environmental Sciences; Biosciences and Food Technology; Geospatial Sciences, Mathematical Sciences; Physics).

The School has a diverse research portfolio across science and mathematics with international research excellence in quantum science technologies, advanced materials chemistry and catalysis solutions and in water science, systems and sustainability; in addition to emerging strengths in geospatial technologies, mathematics and future food technologies. Annual research income for the School is around \$20 million and the School has just under 400 Higher Degree by Research students.

The School delivers high-quality applied, authentic and active industry-engaged education and teaching to over 2,600 undergraduate- and postgraduate-taught students across 10 ongoing undergraduate and 8 postgraduate programs, in addition to offshore partnerships and delivery, including in China and Vietnam.

Across learning and teaching and research, the School partners actively with industry and external stakeholders in Australia and internationally, delivering innovation, research translation and providing knowledge and real-

world solutions for societal good and to enhance sustainable development. The School is strongly committed to promoting and enhancing diversity and inclusion and seeks also to activate and develop its commitment to reconciliation.

Details of the School can be found at:

<https://www.rmit.edu.au/about/schools-colleges/science>

## Position Summary

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The Research Fellow will work with research teams and partnerships in the School and Research Institutes. You will be required to undertake research activities in line with the University's research strategy. In this position you will carry out independent and/or team research which has a significant impact in the area of your specialisation and be acknowledged at a national level as being influential in expanding the knowledge of your relevant discipline.

As the Research Fellow, you are expected to plan, develop and engage in high quality research projects that are aligned with the University's research focus areas. You will embed your research expertise into the life of the School through the development of high-quality, productivity-driven research networks across RMIT and with local and national, internal and external partners. You will be expected to engage in high quality research projects, to achieve success in attracting research funding and to produce high quality outputs.

## Reporting Line

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Reports to: Professor Vipul Bansal, Research Project: StrepSure: An ultrasensitive rapid biosensor for protecting newborns from GBS infections

## Organisational Accountabilities

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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.

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

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1. Conduct high quality research individually or as part of a team including: managing research projects within timelines and budget and ensuring compliance with quality and reporting requirements; publishing research results in high quality outlets as lead or co-author; preparing and submitting external research funding applications; and supervising higher degree by research candidates.
2. Conduct research/scholarly activities on industry-funded commercial-in-confidence research projects without an expectation of publication of research outputs
3. Actively contribute to the development of research strategy within the research team, ensuring it aligns to University strategy.
4. Undertake 10% teaching and learning program appropriate to areas of expertise.
5. 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.

## Key Selection Criteria

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1. Evidence of substantial experience in point-of-care diagnostics, specifically in the area of developing highly sensitive lateral flow devices (LFDs) against clinically important targets. The complementary knowledge across nanotechnology, molecular biology and bioconjugation would be an added advantage.

2. 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, competitive research funding, and industry links.
3. Demonstrated ability to supervise higher-degree by research candidates.
4. Ability to build effective networks with colleagues and generate alternative funding projects through effective liaison with industry and government.
5. 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.
6. Values-led approach to academic practice and demonstrable commitment to promoting principles of inclusion, diversity, equity and wider 'Responsible Practice'.

## Qualifications

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**Mandatory:** PhD or equivalent<sup>1</sup> with at least 3 years of postdoctoral experience in the 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.

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<sup>1</sup> Equivalence is defined in the exemption criteria at **Appointment of staff without Doctoral qualifications** instruction