



Position Description – Research Fellow

Position Details

Position Title: Research Fellow

College/Portfolio: STEM **School/Group:** School of Science

Campus Location: Primarily based at city campus, and the potential to work across other RMIT campuses as required.

Classification: Academic Level B

Time Fraction: 1.0

Employment Type: Fixed Term

Fixed Term Reason: Research

Reporting Line: <Insert the position title (as shown in Workday) that this position reports to>

No. of Direct reports: <Insert number of direct reports, if applicable>

RMIT University

RMIT is a global university of technology, design and enterprise, committed to creating transformative experiences for students and making a meaningful impact through research, innovation, and engagement. 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 campuses in Melbourne (City, Brunswick, Bundoora, and Point Cook) are complemented by international campuses in Vietnam and a centre in Barcelona, Spain. We proudly acknowledge the Woi Wurrung and Boon Wurrung peoples of the eastern Kulin Nation on whose unceded lands our campuses are located.

We are deeply committed to reconciliation and Indigenous self-determination, embedding these values throughout our policies, culture and structures.

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

Why Join RMIT?

Our people are at the heart of everything we do. At RMIT, we value innovation, collaboration and impact. Our values are the heart (durrung) of who we are and what we stand for at RMIT. They guide what we do, how we make decisions, and how we treat each other.



Inclusion Imagination Integrity Courage Passion Impact

Learn more about our values: <https://www.rmit.edu.au/about/our-strategy/values>

Organisational Accountabilities

RMIT is committed to the safety, wellbeing and inclusion of all staff and students. As a staff member, you are expected to comply with all relevant legislation and RMIT policies, including those related to: Equal opportunity, Occupational health and safety, Privacy and trade practices & Child safety standards:

Appointees are responsible for completing all required training and ensuring that they and their team members remain up to date on relevant compliance obligations.

Staff are expected to understand and support RMIT's child safe practices as part of their professional responsibilities. More about our child safety commitment: <https://www.rmit.edu.au/about/our-locations-and-facilities/facilities/safety-security/child-safety>.

Leadership at RMIT

At RMIT, leadership is not defined by position or hierarchy—it is a shared responsibility demonstrated by all staff, regardless of role or title. Leadership is grounded in our six core values, which guide and shape how we work together, make decisions, and create impact.

Effective leadership means consistently integrating these values into everyday actions and interactions, whether influencing a project outcome, supporting a colleague, or leading a team. All staff are expected to embody the principles of the *Be-Know-Do* Leadership Model:

Be – We are open and authentic, inclusive and empowering. We are purpose driven role models and communicators.

Know – We are self-aware, and understand our stakeholders, our sector and priorities.

Do – We set clear direction and expectations, we develop ourselves and others and promote mutual accountability to deliver results.

At every level, leadership at RMIT is about influence, contribution, and mindset. It is reflected in how we empower others, foster collaboration, and drive positive change through capability-building and alignment to strategic goals.

College/Portfolio/Group

The College of Science, Engineering and Health (SEH) incorporates the fields of sciences, engineering, IT and health and medical sciences. Comprising four academic schools (three higher education schools and one vocational education school), the College delivers a broad range of programs at apprenticeship, certificate, bachelor, masters and PhD levels. Many programs articulate between vocational education and higher education, creating pathways for further study.

The School of Science sits within the College of Science, Engineering and Health, and is a leader in fundamental and applied research, and has a very strong reputation for industry focused teaching. We deliver research that addresses key questions essential to Australia's innovation agenda. Our high-quality teaching programs inspire students to pursue careers in biological, chemical, computer, geospatial and mathematical sciences, physics and nano-science.

<https://www.rmit.edu.au/about/our-education/academic-schools/science>

Position Summary

The research fellow will collaborate with researchers at the Australian Centre for Disease Preparedness (ACDP, CSIRO), as well as international colleagues in Japan and North America, to improve an existing model for the spread of Cyvirus cyprinidallo3 (also known as Cyprinid Herpes Virus or CyHV-3) as a biocontrol agent for common carp in Australia. The modelling will serve as part of the scientific basis for a decision from the Parliament of Australia as to whether the virus will be introduced into Australian populations of common carp.

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

The Research Fellow's role is primarily to plan, develop and engage in high quality research projects that are aligned with the University's research focus areas. The Research Fellow will embed their 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. Research Fellows will be expected to engage in high quality research projects, to achieve success in attracting research funding and to produce high quality outputs.

Key Accountabilities

1. Conduct high quality research individually or as part of a team that includes designing, coding and analysing mathematical models for the population dynamics of carp and the possible spread of CyHV3.
2. Provide research support that enables the team to meet project milestones.
3. Prepare and submit manuscripts that report on the results and insights that arise from the modelling.
4. Actively contribute to the development of research strategy within the research team, ensuring it aligns to university strategy.

Key Selection Criteria

1. Emerging track record and recognition for quality research outputs in the field of biological mathematics.
2. Demonstrated mathematics and computer programming skills with experience in modelling infectious disease dynamics, population dynamics or fisheries.
3. Proven experience and ability programming in R or Python.
4. Proven experience and interest in the application of mathematical modelling techniques to model the ecology of wildlife disease.
5. Proven ability to work to deadlines.
6. 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

Working with Children Check

Appointment to this position is subject to holding a valid Victorian 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.