Position Description – Research Fellow

Position Details

Position Title: Research Assistant OR Research Fellow – Medical Device Service Design and User Experience (UX)

Position Number: NEW

College/Portfolio: STEM College

School/Group: School of Engineering

Campus Location: Based at the City campus, but may be required to work and/or be based at other campuses of the University.

Classification: Academic Level A/B

Employment Type: Fixed-Term contract up till 30th June 2022

Time Fraction: 0.50

RMIT University

RMIT is a leading multi-sector university of technology, design and enterprise with more than 91,000 students and 11,000 staff globally. We offer postgraduate, undergraduate, vocational education and online programs to provide students with a variety of work-relevant pathways.

Our purpose is to offer life-changing experiences for our students, and to help shape the world with research, innovation, teaching and industry engagement. With strong industry connections forged over 130 years, collaboration with industry remains integral to RMIT's leadership in education, applied and innovative research, and to the development of highly skilled, globally-focused graduates.

With three campuses in Melbourne (Central Business District, Brunswick and Bundoora), two in Vietnam (Hanoi and Ho Chi Minh City) and a centre in Barcelona, Spain, RMIT is a truly global university. RMIT also offers programs through partners in Singapore, Hong Kong, mainland China, Indonesia, Sri Lanka, Belgium, Germany, Austria and The Netherlands, and enjoys research and industry partnerships on every continent.

We are also committed to redefining our relationship in working with and supporting Aboriginal 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

We're proud to share with you:

- The launch of our second **[Reconciliation Plan for Dhumbah Goorowa– a "commitment to share" - an important step in our reconciliation journey](#)**.
- RMIT University is an **Athena SWAN** member with Bronze Award accreditation and the College of Science, Engineering and Health is central to driving improvements in gender equality, diversity and inclusion, particularly in the Science, Technology, Engineering, Mathematics and Medicine (STEMM) disciplines.
- RMIT was placed **10th in the 2019 Randstad Employer Brand Research Awards**, up five spots from 2018.
- We were named as an **Employer of Choice for Gender Equality** by the Workplace Gender Equality Agency in 2019.
- We achieved **Gold Employer status for LGBTIQ** inclusion in the Australian Workplace Equality Index (AWEI) in 2018 and now in 2019.
- We were recognised as a **top five employer in 2018 for workplace accessibility** with the Australian Network on Disability.

RMIT Standings in university rankings

RMIT has a deep commitment to innovation, research and teaching, we are a 5-Star university under the QS Stars international evaluation system and are **238th globally in QS World University Rankings 2020** (moved up 12 places compared to 250th last year), being also 32nd in the world among universities less than 50 years old (2014 QS Top 50 Under 50 index). Additionally:

- In the 2019 QS World University Rankings by Subject, RMIT was positioned 12th in the world (highest ranked in Australia) in Art and Design, 22nd in the world (fourth highest in Australia) in Architecture and the Built Environment, and 37th in Media and Communications. We are also among the world's top 100 universities in Engineering (Civil and Structural; Electrical and Electronic; and Mechanical, Mechanical, Aeronautical and Manufacturing); Accounting and Finance; and Business and Management Studies).

- In the 2018 QS Rankings by Subject, RMIT was ranked 11th in the world and number one in the Asia Pacific for Art and Design, and 26th in Architecture and the Built Environment. RMIT is also among the world's top 100 universities in Engineering (Civil and Structural; Electrical and Electronic; and Computer Science and Information Systems); Accounting and Finance; Business and Management Studies; and Communication and Media Studies. The 2018 Shanghai Ranking's Global Ranking of Academic Subjects highlighted RMIT's strength in Engineering and Technology in particular.

- In the specialised rankings, RMIT is ranked 77th in the QS Graduate Employability Rankings 2020 and 82nd in the inaugural Times Higher Education University Impact Rankings 2019.

- RMIT also ranks in the world's **top 400** in the 2019 Academic Ranking of World Universities and in the world's **top 400** in 2020 Times Higher Education World University Rankings.

For more information, visit rmit.edu.au/about

STEM College

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 STEMM 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 and 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 of 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.

For more information, visit
https://www.rmit.edu.au/about/schools-colleges/stem-college

School of Engineering

The School of Engineering comprises a diverse range of disciplines: Aerospace Engineering & Aviation; Chemical & Environmental Engineering; Civil & Infrastructure Engineering; Electrical & Biomedical Engineering; Electronic & Telecommunication Engineering; Manufacturing, Materials & Mechatronic Engineering; Mechanical & Automotive Engineering.

As a top 100 university in the world for engineering (2015 QS Rankings by Faculty; Engineering and Technology), RMIT Engineering provides students with work-relevant education programs, access to excellent research facilities and opportunities to engage in creative real-world project work through robust relations with local and international industry leaders.

RMIT Engineering's education is based on innovation and creativity. Key discipline areas in the School of Engineering provide programs with flexible pathways to global careers or postgraduate research.

For more information, visit https://www.rmit.edu.au/about/schools-colleges/engineering

Position Summary

We are seeking a dedicated and enthusiastic service design or user experience (UX) professional with an interest in healthcare innovation.

The Research Fellow in Service Design and User Experience will contribute to design and development of a novel medical technology. Melbourne-based start-up Nutromics Pty Ltd in partnership with RMIT University, supported by an Innovative Manufacturing Cooperative Research Centres project, are developing a microneedle-based, minimally-invasive continuous molecular monitoring device.

The position will focus on designing the service for Nutromics first product to market, a therapeutic drug monitoring device. They will use and embed their research expertise in drawing out the narrative of use for the product, in conjunction with Nutromics staff members and third parties. These include but are not limited to Electronics, Industrial Design, Manufacturing, Commercial, Product and Clinical.

Developing a high-quality user experience for the product is crucial and the role will drive the principles of best practice service design.

The Research Fellow will work with the Functional Materials and Microsystems Research Group undertaking high impact research spanning the discovery to translation pipeline. The Research Fellow is required to undertake research activities in line with the University's and research team's strategy.

For more information, visit https://fmm.rmit.edu.au/

Reporting Line

Reports to: Professor Sharath Sriram, Research Project Leader, with external co-supervision from Dr Robert Crowder, Head of Product, Nutromics Pty Ltd.

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.

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

1. Undertake research activities aligned to industry-partnered projects on wearable electronics.
2. Participate in research team projects covering fundamental research and industry partnerships in areas of service and UX design for healthcare innovation.
3. Contribute to the successful project management of the research by completing assigned work at the required level and within agreed timeframes.
4. Communicate research outcomes through high quality papers/journal articles, delivery of seminars, and conference attendance.
5. Undertake 5% teaching and learning program appropriate to areas of expertise.
6. Participate in professional development activities.
7. Participate in annual work planning and performance management processes.

Key Selection Criteria

1. Service design skills including the ability to conduct process mappings, contextual enquiries, journeys of use and to visualise product service systems; to support the development of design requirements; and to develop personas, service blueprints and other service design materials.
2. UX capabilities including UI wire framing, UX mock-ups, design mock-ups, story boarding.
3. Ability to confidently communicate, both visually and verbally.
4. Experience in healthcare processes, whether this be digital health or device development.
5. Evidenced ability to engage with stakeholders that may include healthcare practitioners and clinicians, industrial designers, device and product teams, software, and hardware engineering in an innovation ecosystem.
6. Some experience in conducting ethnographic user research in a healthcare context.
7. A collaborative and confident working style and ability to work well in a dynamic fast-paced team.

Qualifications

Mandatory: Degree or equivalent in UI/UX or Service Design. Candidates without a PhD would be offered the position at Level A6-A8.

Some experience with the commercialisation of healthcare devices or technologies would be helpful.

Appointment to this position is subject to passing a Working with Children check.