



THE MQ RESEARCH SERVICES NEWSLETTER October Edition

IN THE SPOTLIGHT

Read the [interview](#) with **Dr Fatemeh Salehi** from the School of Engineering. Learn about her area of research, how it will make the world a better place, and her recent achievements.

Spotlight on...

Dr Fatemeh Salehi
Senior Lecturer, School of Engineering

"I hope that my research on clean energy technologies contributes to a faster and smoother transition from fossil fuel combustion technologies"

SUCCESS STORIES

Australian Government
National Health and Medical Research Council

\$7m in NHMRC funding to improve health outcomes for Australians

The NHMRC has [awarded](#) over \$7 million in funding for 6 Investigator Grants and 2 Partnership Projects:

- Prof Enrico Colera** (AIH) Investigator Grant Leadership 3, \$1.5 million
- Dr Kate Churrua** (AIH) Investigator Grant Emerging Leader 1, \$650,740
- Dr Carly Johnson** (School of Psychology) Investigator Grant Emerging Leader 1, \$650,740
- Dr Jenny Lee** (Macquarie Medical School) Investigator Grant Emerging Leader 1, \$530,518
- Dr Mitchell Sarkies** (AIH) Investigator Grant Emerging Leader 1, \$617,582.88
- Dr Yan (Anne) Zou** (Macquarie Medical School) Investigator Grant Emerging Leader 1, \$650,740
- Prof Johanna Westbroek** (AIH) Partnership Project, over \$1.4 million
- Prof Andrew Georgiou** (AIH) Partnership Project, over \$1 million

Prestigious Australian Museum Eureka Prize for AUSMAP

The [Department of Industry, Science, Energy and Resources Eureka Prize](#) for Innovation in Citizen Science was awarded to the Australian Microplastic Assessment Project (AUSMAP). Total Environment Centre and Macquarie University created AUSMAP which is a world-first, national citizen science program that empowers people of all ages to document microplastic pollution. An immersive experience, participants are educated on the prevalence of microplastics around our waterways and trained to collect scientifically valid data that is used to design effective mitigation strategies for plastic pollution. **Dr Scott Wilson** and AUSMAP colleagues have gathered research, environment education, government and sustainable business organisations to create a community of over 700 citizen scientists to remove more than 3 million pieces of microplastics in the last three years. [Learn more](#)

Living Seawalls among finalists in £50m Earthshot Prize

Living Seawalls, a flagship project of the Sydney Institute of Marine Science, with scientists from Macquarie University and UNSW, has been selected as a finalist in the Earthshot Prize – the most prestigious environmental prize in history. Macquarie University coastal ecologists **Assoc Prof Melanie Biahop** and **Dr Katherine Dalform** from the Departments of Biological Sciences and Earth and Environmental Sciences co-lead the Living Seawalls marine science initiative. Created by HRH Prince William and The Royal Foundation, [The Earthshot Prize](#) has led an unprecedented global search for the most inspiring and innovative solutions to the greatest environmental challenges facing the planet. From 750 nominations, Living Seawalls was selected as one of only three finalists in the Reviving Our Coasts category. The Living Seawalls project lies at the intersection of ecology, design and engineering. The project uses innovative and replicable seawall panels to bring marine life back to coastal sea defences and is addressing the rapidly declining rates of marine biodiversity. [Read more](#)

Australian Government
Department of Defence

National Intelligence and Security Discovery Research Grant

Congratulations to **Assoc Prof Alexander Fuebach** from the Department of Physics and Astronomy and **Prof Stuart Jackson** from the School of Engineering for being awarded a National Intelligence and Security Discovery Research Grant worth \$569,453 over 3 years. The project was successful in the National Security Challenges category that was funded by the National Security Science and Technology Centre within the Department of Defence. The scheme had a 6.0% success rate. The project will benefit from Macquarie's world-leading expertise in mid-infrared fibre laser technology to develop a compact high brightness mid-infrared light source that can rapidly be swept across the entire molecular fingerprint region. The expected outcome of this project is a unique platform technology that will enable a new generation of field-deployable chemical and biological sensor systems for the identification of virtually any a-priori unknown biological and chemical threat, for example in a battlefield or in a chemical and biological terror attack situation. [See scheme outcomes](#)

Celebrating YOU
ACADEMIC STAFF AWARDS

Congratulations to the 2021 Academic Staff Award finalists

The 2021 Academic Staff Awards celebrate the outstanding performance of Macquarie staff and students in their pursuit of teaching and research excellence. The winners will be announced at a ceremony via Zoom on Tuesday 30 November 3-4 pm. [Register](#)

The Research Excellence Award categories:

- Excellence in Higher Degree Research Awards – HASS and STEM
- Excellence in Higher Degree Research Supervision – Supervisor of the Year
- Early Career Researcher of the Year – HASS and STEM
- Excellence in Research – Five Future-shaping Research Priorities
- Excellence in Research Innovation, Partnership and Entrepreneurship Award
- The Jim Piper Award for Excellence in Research Leadership

Congratulations to all the [2021 finalists](#). [Read more](#)

Impact of childhood injury on school performance and high school completion

Assoc Prof Rebecca Mitchell, Dr Reidar Lystad, Dr Tim Badger-Parker and Tayla Ryder from the Australian Institute of Health Innovation, with colleagues, have explored the impact of injury and injury severity on academic outcomes with the aim to identify characteristics of young people likely to require learning support services. Published in [BMJ Paediatrics](#), this population-based matched case-comparison cohort study of young people aged 16-18 years hospitalised for an injury during 2005-2018 in NSW used linked birth, health, education and mortality records. The comparison cohort was matched on age, gender and residential postcode. The cohort study found injured young people also had almost twice the risk of not completing high school compared to their matched peers. The identification of characteristics of young people most likely to encounter problems in the academic environment after sustaining an injury is important to facilitate the identification of learning support needs. [Read more](#)

Blood biomarkers show presence of Alzheimer's years before symptoms

World-first research has paved the way to a low-cost blood test that could diagnose Alzheimer's disease up to 20 years before the onset of symptoms. **Dr Prathiba Chatterjee, Assoc Prof Kathryn Goetze, Dr Abhay Singh, Assoc Prof Hamid Sohrabi and Prof Ralph Martins** from the Departments of Biomedical Sciences and Applied Finance have published their findings in [Alzheimer's & Dementia](#). Alzheimer's is a degenerative brain disease that affects more than 300,000 Australians, and is more common with advancing age. The current clinical diagnosis of Alzheimer's relies on cognitive tests which are not sensitive enough to detect changes in the brain before a person already shows symptoms. This study is the first to show higher blood levels of Alzheimer's-related proteins in cognitively-normal older adults whose brain scans showed pre-clinical Alzheimer's, than in otherwise similar adults with normal brain tissue. The research will allow for clinical trials that are much more robust and potentially identify earlier interventions. [Read more](#)

Envy in young women fuelled by social media

The long-suspected fraught nature of the relationship between young women and social media has been confirmed in a study published in the [International Journal of Advertising](#) by **Dr Camille Singh** and **Assoc Prof Lawrence Ang** from the Department of Marketing. In the age of social media, consumers are constantly exposed to idealistic images of others arousing social-related emotions such as envy. Yet very little is known about the effects of envy on purchase intention. The research investigated the effects of envy on purchase intent and studied female Facebook users aged 16-25 years. The research found the effects of envy-inducing imagery was most effective for body-related products and that the human-related social effect was stronger than the brand-related effect. Further analysis into product types (body-related vs non-body-related) found that only body-related products induced invidious reactions. [Read more](#)

NEWS & INFORMATION

Research Integrity - tell us what you REALLY think

We would like to invite you, as a Macquarie staff or student engaging in or supporting research, to participate in the [National Survey on Research Integrity](#) conducted by Springer Nature and the Australian Academy of Science.

This is a great opportunity for us to understand your views on research integrity. As the University embarks on a 5-year Research Integrity Education, Training and Awareness Strategy, your valuable input and observations will help inform its planning and development. We want to learn more about the needs of researchers and areas for greatest improvement.

Please be assured that survey responses are strictly confidential and anonymous, and results will only be analysed in aggregate. The overall findings are expected to be publicly communicated later this year by Springer Nature, with institutional findings explored soon after.

Go here take the survey. It will take approximately 10 to 15 minutes.

Contact research_integrity@mq.edu.au if you have any questions.

DVCRC Co-Funding support for ARC project grants submitted in 2022

DVCRC Co-Funding for [ARC Discovery Project, Discovery Indigenous and Linkage Project](#) grant applications led by a Macquarie University researcher and to be submitted in 2022 can be requested using [this form](#).

The eligible types of scholarship requests are dependent on the amount of ARC funding that will remain at Macquarie University as well as the length of the project. Please do not use Service Now for scholarship co-funding requests for these schemes.

In addition, eligibility for DVCRC Co-Funding continues to be contingent upon on-time submission of grant applications by the Macquarie University submission date. [Learn more](#)

If you intend on applying for one of these schemes, please complete the short [notification of intent form](#).

Research Data Management Policy and Framework

Macquarie University has released a new Research Data Management (RDM) Policy which outlines a comprehensive set of data management practices across the research data lifecycle.

The Policy suite is part of the University's RDM Framework which also includes resources and tools to support researchers in meeting compliance requirements and in improving the integrity, impact, efficiency, and transparency of their research.

Procedural changes resulting from the Policy are being implemented prospectively (not retrospectively) by cohort, starting with a pilot group of ARC 2020 grant recipients. The next cohorts to transition in the next few months are 2021 Cat1 grant recipients and applicants for Human Ethics approvals. Researchers in these cohorts will be contacted with details.

Visit the [RDM Framework page](#) for a summary of changes as well as links to resources. More information, including a short video introducing the Framework, is also available in the Policy notice in [This Week](#).

DVCRC Weather Report 2021

On Tuesday, 14 September 2021, Professor Pretorius, Deputy Vice-Chancellor (Research) presented his annual Research Weather Report to Macquarie University academic and professional staff.

Professor Pretorius applauded the culture of resilience, support and resilience of the Macquarie University community. He congratulated our researchers and professional staff on their significant achievements despite the impacts of COVID-19, with a continued vision for academic and research excellence and a promise that we will 'build back better'.

Read [This Week wrap-up](#) or view the full [Weather Report presentation](#).

Research Professional

Customised searching at your fingertips

Exciting news! Using [Research Professional](#) brings customised research funding opportunities direct to your inbox!

Tired of spending hours scratching around for research funding opportunities that align with your area of expertise? We've got a hot tip for you! By setting up a [specific interest in Research Professional](#), you'll receive personalised research funding opportunities direct to your inbox every week. Take the opportunity today to get the most out of this database. All you need to do is create a login and set up your fingerprint, and within 15 minutes you'll have easy access to research funding opportunities catered to you and your area of expertise. Too easy!

FUNDING OPPORTUNITIES, PRIZES & AWARDS

2022 Major Grants Round Calendar

View the [2022 major grants round calendar](#). Please note, dates are subject to change by the funding agencies.

ARC Funding Schemes

Scheme	Opening Date	MQ Submission Date
ITTC and IIRH	6 Aug 2021	3 Sept 2021
Australian Laureate Fellowships	Delayed - TBA	TBA
DECRA	Delayed - TBA	TBA
Future Fellowships	Delayed - TBA	3 Nov 2021
Linkage Projects - 2021 round 3	Continuous	18 Nov 2021
Discovery Projects	10 Nov 2021	FSE: 19 Jan 2022 Other Faculties: 25 Jan 2022
Discovery Indigenous	24 Nov 2021	16 Feb 2022
LIEF	27 Jan 2022	9 March 2022

NHMRC Funding Schemes

Scheme	Opening Date	MQ Submission Date
Partnership Project (round 3)	29 Jul 2021	3 Nov 2021
Centres of Research Excellence	20 Oct 2021 (estimated)	10 Nov 2021 (estimated)

MRFF Funding Schemes

Scheme	Opening Date	MQ Submission Date
2021 International Clinical Trial Collaborations (ICTC)	17 Mar 2021	5 Jan 2022
2021 Traumatic Brain Injury (TBI)	3 Sep 2021	6 Dec 2021
2021 Dementia Ageing and Aged Care	22 Sep 2021	12 Jan 2022
2021 Primary Health Care Research	16 Sep 2021	19 Jan 2022

Internal MQ Funding Schemes

- [MQ Fellowship for Indigenous Researchers Scheme](#) - continuously open
- [MQ Enterprise Partnership Scheme](#) - continuously open
- [MQ Career Conference Support Scheme](#) - continuously open

Research Prizes and Awards

Discover upcoming research prize and award opportunities, and view recent success stories from Macquarie researchers. [Learn more](#)

Research Professional Database

We encourage you to use the Research Professional database to search for Australian and international research funding and research award opportunities. [Login and search](#)

WORKSHOPS

ARC Information Webinar for DECRA and Future Fellowship Candidates

Tuesday 19 October 2021, 12:00-13:00. [Zoom. Add to calendar](#)

Dr Robert Mun, the Executive Director of Engineering and Information Sciences at the ARC, will present an information webinar for prospective DECRA and Future Fellowship candidates. This will include information on scheme eligibility, objectives, assessment criteria, application and assessment process, funding, success rates and track record building. Participants will have the opportunity to ask questions during the webinar. [More details](#)

Strategic Advice for Developing your ARC Future Fellowship Application for Funding Commencing in 2022

Tuesday 26 October 2021, 12:00-13:30. [Zoom. Add to calendar](#)

This webinar will provide strategic advice for mid-career researchers on developing an ARC Future Fellowship application. The workshop will cover the National Interest Test statement, Project Description, institutional letter of support, ROPE, and research support services available to applicants. [More details](#)

ARC 2023 Discovery Project Webinars

November 2021, via Zoom

The following Discovery Project webinars will be run for funding commencing in 2023:

- Developing your Research Opportunity and Performance Evidence**
Fri 12 Nov 2021, 12:00-13:30. [Zoom. Add to calendar](#)
- Developing your Project Description**
Thurs 18 Nov 2021, 12:00-13:30. [Zoom. Add to calendar](#)
- Building your Budget**
Wed 24 Nov 2021, 12:00-13:30. [Zoom. Add to calendar](#)

Workshops will be attended by ARC College of Expert members as well as ARC grant recipients to provide attendees with insight from various perspectives. All researchers are welcome to attend. No RSVPs are required. [More details](#)

Australia's Foreign Relations Act

On demand - contact foreign_relations@mq.edu.au or request on [myRDC](#)

The Australia's Foreign Relations Act (AFRA) has been in force for new agreements and arrangements since 10 March 2021. This session is for academics to ask anything about how their work relates to AFRA. The legislation has introduced new reporting requirements for Universities, and academics can trigger these reporting requirements as part of their normal collaboration with foreign academics and institutions. Find out how Macquarie can support you.

RESOURCES & TOOLS

Successful Grants Library contains external and internal grant and prize applications that were successfully awarded. Electronic and hard-copy versions of the library are available.

Advice Toolkits and Budget Calculators

Available for many of the major external funding schemes. [View all](#)

Developing Research Partnerships

Information and processes for developing and submitting research proposals to external organisations. [Learn more](#)

Researcher Development Calendar - myRDC

Easily search and register for professional development events from all sectors of the university. [Learn more](#)

On-Request Workshops

Provided on-request for academic departments, research centres, or small groups and can be customised to suit particular needs. [Learn more](#)

MQ Research Services Teams

Pre Award and Contracts

Contact [Proposals Team](#) or [Contracts Team](#)

Ethics, Integrity and Policies

Contact [Human Ethics, Animal Ethics or Research Integrity](#)

National Security and Defence

Contact [Foreign Relations or Defence](#)

Post Award and Reporting

Contact [Us](#)

YOU to the power of us

MACQUARIE UNIVERSITY

Macquarie University NSW 2109 Australia

T: +61 62 9559 4731 | [Email Us](#) | [Subscribe](#)