

ANZMAG NEWS - MARCH 2018

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Dear all,

Welcome to the April 2018 ANZMAG News. I hope that everybody had a good start to the semester and is ready for the Easter break? This month we have the usual mix of magnetic resonance and science related items for you.

GRANTS

With Discovery and LIEF applications over with (including the huge ROPE section) you might think grant writing season was over but there are still a few other opportunities out there.

The **National Foundation for Medical Research and Innovation** invites expressions of interest for its medical research grants. See <https://nfmri.org.au/research-and-innovation/apply-for-support/> for details.

Did you also know that it is **Merck's 350th anniversary** this year? To celebrate they are offering a series of research grants of up to EUR 350,000 per year for 3 years in various research areas with the option of extension or expansion. See <https://www.merckgroup.com/en/research/open-innovation/350anniversaryactivities/researchgrants.html> for info.

The **Ian Potter foundation** is currently inviting Expressions of Interest (EOI) for its Science grants that support for grants led by **postdoctoral** researchers. The recommended minimum grant amount is \$100,000, which may be spread across several years. See <http://www.ianpotter.org.au/what-we-support/science> for more info.

UPCOMING CONFERENCES

EUROMAR 2018 will be held in Nantes, France, from July 1-5. It is the first time that EUROMAR will be held in France since it was created in 2005. Registration and abstract submission is open at <http://www.euromar2018.org/EventPortal/Information/EUROMAR18/HOME.aspx> for those keen.

The **HYP18** conference on hyperpolarization in Southampton is now open for registration and abstract submission. This conference will cover the main areas of nuclear hyperpolarization and some other methods for sensitivity enhancement in NMR and MRI. See <http://generic.wordpress.soton.ac.uk/hyp18/> for details.

The **59th Rocky Mountain Conference on Magnetic Resonance**, incorporating the Electron Paramagnetic Resonance Symposium and Solid-State NMR Symposium will be held on July 22-26, in Snowbird, Utah. See <http://www.rockychem.com/> for all the information on this one.

The **28th International Conference on Magnetic Resonance in Biological Systems** will be held from August 19-24 in Dublin, Ireland. See <http://www.icmrbs2018.org/> for all the details.

The **International Society for Magnetic Resonance in Medicine** annual meeting takes place in Porte de Versailles, Paris, France on the 16th to the 21st June. See <https://www.ismrm.org/18m/registration/> for more.

A longer list of upcoming magnetic resonance conferences can be seen at http://nmr900.ca/nmr_events.html if you want to know what is going on where in magnetic resonance.

NEW ZEALAND FELLOWSHIPS

The MacDiarmid Institute in New Zealand is currently inviting applications for new Personal Post-Doctoral

Fellowships. Up to five positions are available. Successful candidates will be placed on the postdoctoral fellow salary scale and receive a \$10,000 (NZD) grant, per annum, towards research expenses and travel. Funding is available up to the end of 2020. The application deadline is 10th April. See <http://macdiarmid.ac.nz/call-personal-post-doctoral-fellowships-10th-april-2018/> for the details and good luck if you apply.

SENIOR SCIENCE PRIZES

The **Telstra Business Women's Award**. Now Telstra may not be the first people you think of for Academic awards but these awards have a "Public Sector and Academia" category and academics do win in. See <https://www.telstrabusinesswomensawards.com/> for more details.

Academy of Science Awards are open to scientists of all levels of experience across the sciences. They're also offering funds for research, conferences and travel. See the <https://www.science.org.au/opportunities> for info.

The Australian Museum Eureka Prizes recognise research, science communication and journalism, leadership, and students for excellence in the fields of research & innovation. See <https://eureka-entry.australianmuseum.net.au/>

Have you ever wondered how people are nominated for the **Order of Australia and other honours**? Well I found a link to this on Twitter recently. To nominate someone online see <https://www.gg.gov.au/australian-honours-and-awards/order-australia>. This is for very high level scientists but if you know a good mentor why not nominate?

JUNIOR SCIENCE PRIZES

The **Metrohm Young Chemist Award** is for undergraduate and postgraduate students performing novel research in Electrochemistry, **Spectroscopy**, Titration or Ion chromatography? The prize is \$5000. That's about all I know but you can find out more and enter at <http://www.mep.net.au/awards2018/> if keen.

The **ICM Agrifood Award** is an early career award for two scientists or technologists who have achieved substantial peer/industry recognition for his/her work in the past five years. One female and one male winner will each receive a cash prize of \$5000. Please see <https://www.atse.org.au/atse/content/about/icm-agrifood-award.aspx> for more info.

Nominations for the **Young Tall Poppy Science Awards** for 2018 are open. Sadly, I am far too old for this one but if any keen young things are out there please see <http://www.aips.net.au/tall-poppies/nominations/> for info.

MAGNETIC RESONANCE IN THE NEWS

- <https://www.news-medical.net/life-sciences/EPR-in-Pharma.aspx>

This is a link to an interesting article on the novel use of EPR spectroscopy in pharmaceutical applications to analyse the toxic side effects caused by the formation of free radicals.

- https://www.eurekaalert.org/pub_releases/2018-03/uom-tgm032818.php

Read how researchers at the University of Melbourne have developed a technique which could increase the sensitivity of magnetic resonance imaging.

- <http://www.spectroscopynow.com/details/ezone/161d1728470/Dynamic-channels-NMR-tracks-the-ions.html?tzcheck=1>

Researchers in Germany have used NMR to show how the selectivity filter of the cell membrane's NaK protein ion channel forms only a single structure to control the flow of potassium ions.
