

ANZMAG NEWS - MARCH 2016

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Dear all,

Welcome to the March 2016 edition of the ANZMAG e-newsletter. I hope you enjoy the bulletin this month. As per usual, I'm happy to accept feedback and additions so please feel free to send suggestions, comments, ideas for stories etc. to me at the address above

AWARDS AND GRANTS

The ARC recently released the rules for the next round of **Future Fellowships**. There will only be 100 of them this year and so competition will be very high again but then again, somebody has to get them. Good luck if you are applying; please see <http://www.arc.gov.au/future-fellowships> for the details.

The Premier's Award for Health & Medical Research recognises the outstanding achievements of Victoria's early-career health and medical researchers. The interesting thing about this award is you must be either a Ph.D. student or a very recent Ph.D. graduate to apply for it! I think this is a great initiative as it means the big guns don't crowd out younger researchers. The recipient of the award receives a trophy and certificate plus \$16,000 to further develop their career in health or medical research. Three additional prizes, worth \$8,000 each, are presented to those highly commended by the judges. See <http://www.veski.org/pahmr> for the details

Australian Academy of Science Awards for 2017 are open for nominations. Nomination schemes and awards that may be of particular interest are the David Craig Medal (chemistry), the Le Fèvre Memorial Prize (chemistry) the Jacques Miller Medal (experimental biomedicine) and the Nancy Millis Medal for Women in Science (any branch of the natural sciences) but this list is not exhaustive. Further information is available on the website www.science.org.au/awards or <http://tinyurl.com/hmxas4s>

The Trajan Innovation Fund is a unique initiative launched by Trajan in late 2015 to provide short term funding for targeted scientific research aligned with their vision to improve human wellbeing. Put simply any researcher is welcome to approach Trajan for funding to support 8-12 week studies in areas that support their vision. Trajan has a range of criteria that they look for in applications, including the right to further develop and commercialise outcomes that they think might be valuable. To discuss opportunities with Trajan, please contact Mr Robert Lyon, Head of Corporate Development, on rlyon@trajanscimed.com and he will happily give you more details. Please also see <http://www.trajanscimed.com/pages/trajan-innovation-fund> for more details.

Ramaciotti Health Investment Grants are intended to provide research support for an autonomous, early career investigator who is taking, or has recently taken, a substantive position. The value is up to \$150,000 for a contribution towards the undertaking of health or medical research, with the potential path to clinical application within five years. See <https://www.perpetual.com.au/Ramaciotti/Applications> for more.

CONFERENCE CORNER

The SMASH NMR Conference

SMASH will be held from September 11-14 in LaJolla California. The SMASH NMR conference was established in 1999. At a time when macromolecules were being seen to dominate the NMR spectroscopic field and today SMASH still champions the small molecule in the big NMR world. You can find out more at <http://www.smashnmr.org/> if you are interested.

University of New South Wales NMR and Polymers Symposium

The NSW Polymer group of the RACI (Royal Australian Chemical Institute) is organising a symposium around solid-state NMR, polymers and polymer characterisation. This will take place at the University of New South Wales on Wednesday, 6 April 2016. Registration is free thanks to the generous sponsors. The plenary speaker is Dr Alan English from DuPont Central Research and Development (USA) who will give a talk on the application of NMR to industrial polymers. Please see <http://tinyurl.com/zerzo9v> or contact Aditya Rawal (a.rawal@unsw.edu.au) or Marion Gaborieau (M.Gaborieau@westernsydney.edu.au).

MRPM13

The MRPM13 (13th International Bologna Conference on Magnetic Resonance in Porous Media) will be held from 4th to 8th September 2016 in Bologna, Italy. Abstract submission opened on 1st March. The conference scope includes but is not limited to, the following topics: Connected porous systems and NMR relaxometry; Petro-physics and flow; Chemical engineering and related materials; Diffusion and applications; Simulation and multi-dimensional inversion; Plants, soils, and environmental sciences; Advances in methodology and new areas of research; Colloquium on mobile magnetic resonance; Non-destructive testing and cultural heritage; Advances in technology and hardware; Biomedicine and food. For more detailed information, please visit <https://events.unibo.it/mrpm13> or www.mrpm.org.

Metabolomics 2016

The 12th Annual Conference of the Metabolomics Society will be held in Dublin 27th-30th June 2016. Abstract submission is open at <http://metabolomics2016.org/> and NMR plays a big role in this area. NB The Metabolomics Society will offer **\$500 Travel Awards** to support Students and Early Career Researchers attendance at the Conference. Please see <http://metabolomics2016.org/submission/awards> for more..

Upcoming events

A list of upcoming NMR events and conferences can be found at http://nmr900.ca/nmr_events.html and in a similar vein to the above the International EPR (ESR) society has a list of many recent and upcoming EPR-related conferences at <http://www.ieprs.org/meetings.php> if EPR is your thing. MRI people may find the search tool at <http://www.radlist.com/> of use for conference listings

NEWS

Magritek launched new 60 MHz models of their Spinsolve family of benchtop NMR spectrometers at the ACS National Meeting in San Diego recently (13th March, 2016). The new systems include proton, fluorine and carbon systems. See <http://www.selectscience.net/product-news/new-nmr-spectrometers-introduced-by-magritek/?artID=40379> for more. Magritek also released a series of useful videos for the Spinsolve that might be handy for teaching using the instrument see www.magritek.com/products/spinsolve/videos/

The **International Society of Magnetic Resonance (ISMAR)** recently announced that it (ISMAR) has established an affiliation with the Journal of Magnetic Resonance (JMR), making JMR the formal journal of the society. The affiliation will benefit ISMAR and JMR as there is a large overlap between the scientific scopes of both.

Electron Paramagnetic Resonance (EPR) in the news a lot this week. We have a study on using EPR as a new research tool for Lithium Batteries (<http://tinyurl.com/hww3u6m>), a paper in Science looking at EPR of individual atoms on a surface (<http://tinyurl.com/z35lt6r>). There is also a nice paper on the use of EPR to solve biochemical problems at <http://pubs.acs.org/doi/abs/10.1021/bi400834a#> for those interested. There is also a new book out at <http://pubs.rsc.org/en/content/ebook/978-1-84973-981-8#!divbookcontent>.

Finally, a feel good story that I could not resist on the use of **MRI** to look at how dogs read emotions in Humans. How do you get a dog to sit still in an MRI scanner? Read <http://tinyurl.com/h7er4nh> to find out.
