ANZMAG NEWS - APRIL 2016

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Dear all,

Welcome to the April 2016 ANZMAG e-newsletter. I hope that everybody had a good Easter break? This month we have the usual mix of magnetic resonance and science related items for you.

GRANTS

Withe the Discovery and LIEF applications over with and Future Fellowships (possibly) in hand you might think grant writing season was over but there are still a few other opportunities out there.

National Foundation for Medical Research and Innovation invites expressions of interest for its medical research grants. See http://www.nfmri.org.au/research-and-innovation/apply-for-support/ for details.

The Stoke foundation has a range of grants currently advertised. Please have a look at the website at https://strokefoundation.com.au/what-we-do/research/research-grants for more.

WEB BASED RESOURCES and LINKS

Mestrelab Research have started their own YouTube channel with some really nice videos on it. You can see this at https://www.youtube.com/channel/UCf3MVnd3XZflv0acvTv14ww if keen.

Magritek have also released a series of useful videos for the Spinsolve benchtop NMR instrument that might be useful for teaching See http://www.magritek.com/products/spinsolve/videos/ for the list.

NMR Wiki is a public Magnetic Resonance web project designed to let people share their magnetic resonace experience. The website at nmrwiki.org was down last time I checked but the twitter feed is quite useful (see https://twitter.com/nmrwiki) and lists a range of interesting links.

Not so much a resource but a challenge. For the protein NMR people the **Human Proteome Organisation (HUPO)** - a global consortium established to define the human proteome - has set Australian and New Zealand researchers the task of helping to define all the proteins present on chromosome 7. See http://bit.ly/1SlxWiq for more details.

If you are interested in becoming an Associate Editor for **RSC Advances**, applications are open for independent researchers with a minimum of 7 years research experience following the completion of a PhD. See more at http://www.rsc.org/journals-books-databases/about-journals/rsc-advances/ for more info (scroll down the page to the green box).

UPCOMING CONFERENCES

While the **57th Experimental Nuclear magnetic resonance Conference** in Pittsburgh (http://www.enc-conference.org/) is just a few days away, here are a few more conferences for magnetic resonance fans.

The 2016 **Fragment Based Drug Design Down Under** (FBDD-DU) conference brings together biologists, biochemists and chemists from academia and industry to hear about the latest techniques at the Monash University Parkville site. See http://fbddoz.com.au/ for more information or http://bit.ly/1RK5cUo for a flyer.

The **EUROMAR 2016** Ampere conference takes place in Aarhus, Denmark July 3rd-7th 2016. Registration and abstract submission is available through the website: http://www.euromar2016.org. For details, please visit http://www.euromar2016.org. Early bird registration and abstract deadline is April 15, 2016.

The **International Society for Magnetic Resonance in Medicine** annual meeting and exhibition takes place from the 7-13 May 2016 in Singapore. You can see more at http://www.ismrm.org/2016-annual-meeting-exhibition/ if you are interested.

The **58th Annual Rocky Mountain Conference on Magnetic Resonance** will take place July 17-22, 2016 at Beaver Run Resort & Conference Center in Breckenridge, Colorado. It features symposia on EPR and Solid-State NMR. See http://www.rockychem.com/ for more details.

SCIENCE PRIZES

Nominations for the annual **Young Tall Poppy Science Awards** for 2016 are open at but you will need to be quick the deadline is midnight today (11th April 2016). See http://www.aips.net.au/tall-poppies/tall-poppy-campaign/young-tall-poppy-science-awards/

Prime Minister's Prizes for Science - nominations are open for Australia's most prestigious awards for outstanding achievements in scientific research, research-based innovation and excellence in science teaching. This year there's a new prize for early career researchers – the $50,000 Prize for New Innovators. Nominations close on 28 April. For more information visit the science.gov.au website.

Academy of Science Awards are open to scientists of all levels of experience across physical and biological science. They're also offering funds for research, conferences funding, and travel. The closing date for the award nominations is 30 April and the closing date to apply for research, conference and travel support is 15 June. Visit the https://www.science.org.au/opportunities website for more information.

The $160,000 Australian Museum Eureka Prizes recognise research, science communication and journalism, leadership, and students. Nominations close 6 May. http://australianmuseum.net.au/eureka

The **RACI** currently have a call out for their national prizes that you can see at https://www.raci.org.au/events-awards/academia - this is a good chance to recognise Australian Chemists.

The 2016 L'Oréal-UNESCO For Women in Science Australian and New Zealand Fellowships. In 2016 three post-doctoral female scientists in Australia will be awarded a $25,000 Fellowship. Applications are now open and will close at midnight Tuesday 12 April. See https://www.forwomeninscience.com.au/

MAGNETIC RESONANCE IN THE NEWS

- http://www.news-medical.net/whitepaper/20160315/Novel-use-of-EPR-spectroscopy-to-study-in-vivo-protein-structure.aspx

This is a link to a really interesting article on the novel use of EPR spectroscopy to study *in vivo* protein structure. The focus is on α-synuclein, a component of Parkinson's disease.

- http://www.azom.com/article.aspx?ArticleID=12708

This is quite a nice little story on how to achieve on-line NMR reaction monitoring in your lab with a benchtop NMR.

- https://health.ucsd.edu/news/releases/Pages/2016-03-14-advanced-mri-technology-to-track-cells.aspx

This is a very neat story covering the use of to a new fluorine-based tracer, enhanced by iron, which has the potential to clearly and quickly track cells and molecules in the body.