

ANZMAG NEWS - OCTOBER 2015

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Dear all,

Welcome to the October ANZMAG e-newsletter for 2015. As I write this I suspect many of you are on tenterhooks waiting for the outcome of the ARC grant rounds. Here's hoping that magnetic resonance has a good year. Until the ARC sends out the notifications out some of the information below might be of use.

GRANTS, GRANTS, GRANTS

- I hope that most people reading this are aware that ARC and NHMRC and not the only category one grants around. As magnetic resonance could be applied in many areas you should also be thinking of many of the large range of other grants on the 2015 Australian Competitive Grants Register (ACGR) which you can see at http://www.une.edu.au/_data/assets/pdf_file/0019/100675/ACGR2015.pdf
- If you are in New Zealand see <http://www.royalsociety.org.nz/programmes/funds/marsden/> as well.
- Those in Victoria can have a look at the Pierce Armstrong Foundation on their website at <http://www.piercearmstrong.org.au/application.html>
- The Bill and Melinda Gates Foundation invites applications for its grand challenges grants see <http://gcgh.grandchallenges.org/application-instructions> for more information.
- If you have access please also see <https://www.researchprofessional.com> for a huge list of grants and prizes from around the world. It is really handy.
- Younger ANZMAG members may like the **\$1200 Young Scientists, Encouragement Award**. ATA Scientific is running it. This award is intended to provide student with financial assistance to attend a relevant science conference or to further their research or studies. Head over to <http://www.atascientific.com.au/eventsandtraining/awards/> to enter. The closing date is 31st October.

FELLOWSHIPS, FELLOWSHIPS, FELLOWSHIPS

- The Japan Society for the Promotion of Science is keen to encourage highly qualified researchers to conduct joint research activities with colleagues at Japanese universities and research institutes. JSPS offers five postdoctoral fellowship programs, each with different eligibility requirements. You can see more at <http://www.jsps.go.jp/english/e-fellow/> if you are interested.
- The Brazilian Ministry of Education has instituted a visiting professor program to attract foreign professors to Brazil. The program requires a submission from a Brazilian host institution. For more information visit for <http://www.capes.gov.br/editais-abertos> for more details.
- There is a similar scheme called the scholarship program for "special Visiting Researcher" that aims to attract senior foreign researchers recognized internationally in priority areas of Science to conduct projects with Brazilian research groups and visit Brazil for up to three months each year over two to three years. Please see the website at <http://www.cienciasemfronteiras.gov.br/web/csf-eng/opportunities-for-individuals-from-abroad> The 2016 round should open in March.
- If you are a super high ranking professor you may be interested in the Australian Laureate Fellowships details can be found at <http://www.arc.gov.au/australian-laureate-fellowships>

TEACHING RESOURCES FOR NMR AND MRI

Recently I put together a list of freely available online material that I use as supplementary materials (including some from the ANZMAG YouTube channel) when teaching NMR. I thought I would share it here in case it was of interest or use to others in the area. You can download the file at <http://bit.ly/1Lw7ZZS>

PROTEOMICS AND METABOLOMICS VICTORIA (PMV) POSTER COMPETITION

The Proteomics and Metabolomics Victoria (<http://pmv.org.au/>) poster competition is open to any Victorian researcher or student who is active in proteomic or metabolomic science (including those who use magnetic resonance for this purpose). They will publish your old conference posters on the web for other researchers to read and the best poster, as judged by the PMV executive, will be awarded \$500. Poster entry and published posters can be viewed here: <http://pmv.org.au/pmv-poster-competition/> for those that are interested. Also, if possible please download and display the poster at <http://bit.ly/1MmpOQm> in your facility/school where your users can view it so as to publicise the competition to students in particular.

MAGNETIC RESONANCE JOBS

- There are two jobs at UQ in Brisbane that might interest magnetic resonance people. One is a Senior Research Fellow in Computational Imaging (<http://www.nature.com/naturejobs/science/jobs/547973-senior-research-fellow-in-computational-imaging>)
 - The other is a Lecturer / Senior Lecturer in Pharmacology (<http://www.nature.com/naturejobs/science/jobs/550445-lecturer-senior-lecturer-in-pharmacology>)
 - If you want to look further afield try <http://www.nature.com/naturejobs/science/jobs?utf8=✓&q=magnetic+resonance&where=&commit=Find+Jobs> for a list from around the world.
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STORIES FROM THE WEB

- <http://news.rpi.edu/content/2015/09/14/new-spectroscopy-method-meant-capture-reactions-photosynthesis>

This one is a story on how EPR was used at the Rensselaer Polytechnic Institute to gain a closer understanding of the solar water-splitting reaction at the heart of photosynthetic energy production.

- <http://phys.org/news/2015-10-enhanced-sensitivity-nmr-reveal-clues-proteins.html>

This story is on the topic of sensitivity-enhanced NMR that has recently been shown to be able to analyse the structure that a yeast protein forms as it interacts with other proteins in a cell.

- <http://www.renalandurologynews.com/nephrology/mri-measures-hemochromatosis-iron-levels/article/442727/>

Here is a story you might not have thought of for MRI, apparently it can be used to measure low levels of iron overload in patients with hereditary hemochromatosis.

One last story that was sent in by Dr Louise Brown (@dr_ljbrown) of Macquarie University who notes that the current IES EPR newsletter has a "In memoriam" article on Prof Graeme Hanson (on page 11) at <http://www.epr-newsletter.ethz.ch/eprnl-pdfs-free/eprn2512new.pdf> and thought it might be of interest to those who knew him.
