



ANZMAG NEWS DECEMBER 2015

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Dear all,

Welcome to the ANZMAG e-newsletter for December 2015. I am sorry for the slight delay this month. Before we start, if anybody is still Christmas shopping you might like <http://chemisttree.com/>

ANZMAG2015

I thought I would start this month with a brief overview of the recent ANZMAG2015 conference in Paihia. If you were not there I am afraid you missed out as conference chair Petrik Galvosas ran a fantastic meeting. The location was beautiful and there were talks and posters on every aspect of magnetic resonance. Professor Glen King of UQ was awarded the ANZMAG medal and gave a great talk on his research on spider venoms and toxins; if you haven't got his book (<http://pubs.rsc.org/en/Content/eBook/978-1-84973-663-3>) there is still time to get it on the Christmas list. Oliver Jones of RMIT was awarded the Sir Paul Callaghan Medal and Petrik Galvosas was elected Chair of the ANZMAG Board. If you want to know more you can track the meeting on Twitter (no account required) using #ANZMAG2015 thanks to Michael Green (ANZMAG) and Novachem.

SPINCOUPLE

SpinCouple is a new web-based tool which is based on the accumulation of a 2D ^1H - ^1H J-resolved NMR database from 598 metabolite standards. The spectra include both J-coupling and ^1H chemical shift information; these are applicable to a wide array of spectral annotation, especially for metabolic mixture samples that are difficult to label through the attachment of ^{13}C isotopes. In addition, the application includes an absolute-quantitative analysis tool. You can see this nice piece of software for yourself at <http://emar.riken.jp/spincpl> if you wish. You can also read the paper that describes the work at <http://pubs.acs.org/doi/abs/10.1021/acs.analchem.5b02311> if you are keen.

MAGNETIC RESONANCE JOBS

There are few jobs that have been sent to me this month. In Australia there is a post-doctoral protein biophysicist post available at Monash University (<https://www.dropbox.com/s/5zqz8eqn1alyvrk/Post-doc%20Position-ad.docx?dl=0>)

There is also a postdoc in NMR of plant cell walls over in the USA (<http://nrel.jobs/golden-co/postdoctoral-researcher-nuclear-magnetic-resonance/EC4D7303895445A2A8933A3DAADBE31C/job/#.VnK8Hiel0CM>)

and an NMR based facility manager job at Bristol University in the UK (www.bristol.ac.uk/jobs/find/details.html?nPostingID=3981&nPostingTargetID=14713&option=28)

There is also a PhD in assessment of hybrid biopolymer networks using NMR and MRI in Holland (<http://www.fom.nl/live/vacatures/vacature.pag?objectnumber=311875>)

Other jobs can be found at naturejobs.com, newscientistjobs.com.au, jobs.ac.uk, seek.com, unijobs.com.au and findpostdoc.com, just filter by keyword and location.

MARINE DRUGS YOUNG INVESTIGATORS AWARD

If you are using magnetic resonance for natural product work then you may be interested to know that the Journal Marine Drugs has announced the initiation of the biennial Marine Drugs Award for Young Investigators. This prize for excellence in research fields related to marine drugs will be awarded in June 2016 for groundbreaking research and significant contribution to the field. Nominees must be <40 (by 31 January 2016) and will need a nomination letter from an established scientist and a CV. Please see the full advert at the link below for more information. Good luck if you apply <https://www.dropbox.com/s/64ml8ebyddwsr0y/Marine%20Drugs%20Award%202016%20-%20flyer.pdf?dl=0>

CANADIAN QUEEN ELIZABETH II DIAMOND JUBILEE SCHOLARSHIPS

Not strictly MR related but it might still be of interest. The Canadian Queen Elizabeth II Diamond Jubilee Scholarships (see <http://www.univcan.ca/media-room/media-releases/canadian-queen-elizabeth-ii-diamond-jubilee-scholarships>) are a source of funding for mobility of upper level undergraduate students, and graduate students, between Canada and Australia. The Program is open to all Commonwealth countries. The system is managed by Universities Canada, but the projects are university based in areas from Indigenous education to forestry to genome mapping and more. Interested parties need to contact the Canadian university directly to see if they are taking individual applications (which is often the case) or if they are working with one or more specific partners.

STORIES FROM THE WEB

- <http://www.nature.com/nchembio/journal/v11/n7/full/nchembio.1843.html>
This link goes to a commentary from Nature (Chemical Biology) on a study that used EPR and Mössbauer spectroscopies to identify new iron-sulfur (Fe-S) proteins.
- <http://phys.org/news/2015-11-analysis-technique-chiral-molecules.html>
I don't agree with their description of HPLC but the use of NMR to analyze the optical activity of charged compounds by using NMR is an interesting approach.
- <http://abcnews.go.com/Health/solving-bah-humbug-syndrome-scientists-christmas-spirit-mri/story?id=35807448> and <http://www.bmj.com/content/351/bmj.h6266>
I could not resist this one given the time of year. Danish researchers have used an MRI to see if they could see "evidence" of the Christmas spirit in different people.

Lastly, on behalf of the ANZMAG board, I would like to take this opportunity to wish all ANZMAG members and their families a very Merry Christmas and all the best for a happy and successful 2016.

