

## ANZMAG NEWS - MAY 2017

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Dear all,

Welcome to the (just on time) May 2017 ANZMAG e-newsletter. This month we have the usual mix of magnetic resonance and science related items for you. It is a bit of a slow news month at present (and I am overseas) but I hope you still find something of interest.

We start this week with congratulations to former ANZMAG board member Professor Frances Separovich who was named on of the ten most inspiring graduates in the recent 2017 UNSW Alumni Awards. See <http://newsroom.unsw.edu.au/news/general/unsw-celebrates-its-star-graduates> Congratulations Frances.

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### CONFERENCE NEWS

The detailed program for [Metabolomics2017](http://metabolomics2017.org/) is now up and viewable at <http://metabolomics2017.org/> and while the deadline has passed to be included in the printed conference materials, you can still present a poster and be included in the digital abstract listing. Poster-only abstract submissions will be accepted until Friday, June 9th or until we reach maximum capacity. So, if you need to present in order to get funding to come then it is not too late. Please head to <http://metabolomics2017.org> for all the details.

The 11<sup>th</sup> [Australia and New Zealand society for Magnetic Resonance](http://www.anzmag2017.org/) conference (<http://www.anzmag2017.org/>) will be held from Saturday 2nd - Wednesday 6th, December 2017 at Mantra on Salt Beach, Kingscliff, New South Wales. Book it in your diary now. It will be a good meeting

For a list of other magnetic resonance related conferences please see [http://nmr900.ca/nmr\\_events.html](http://nmr900.ca/nmr_events.html)

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### MAGRITEK 80 Mhz BENCHTOP

Magritek just released an 80 Mhz benchtop NMR. The [spinsolve 80](http://go.magritek.com/spinsolve-80-benchtop-nmr-brochure) has the highest field strength (80 MHz) of any benchtop NMR and is capable of performing advanced multi-nuclear methods such as COSY, DEPT, HSQC-ME, and HMBC. You can find out more at <http://go.magritek.com/spinsolve-80-benchtop-nmr-brochure> if you wish.

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### METABOLIC PATHWAY MAPS

Most of us have seen metabolic pathway maps before. One new one I came across the other day is a very nice metabolic map of the path to ATP and a few other energy pathways taught in undergraduate biochemistry or medical school. See <http://tabletopwhale.com/2017/05/16/a-galaxy-of-molecules.html> for more information.

If you're interested in an un-abridged version of metabolic maps,

Roche has a website that explains a huge, huge number of reactions that you can see at <http://biochemical-pathways.com/#/map/1> and <http://biochemical-pathways.com/#/map/2> - these latter maps are high detail but can be searched if needed.

## AWARDS

### *Royal Society of Victoria Prizes*

Each year the Royal Society of Victoria offers a range of prizes and awards to stimulate, commend and reward excellence in scientific research across the career life cycle of Victorian scientists, ranging from PhD completion and early career postdoctoral work to peak career achievement. Currently all three awards are open for submissions and nominations, with one closing at the end of this month, and they are particularly keen to see a greater number and diversity of applicants in the talent pool this year. Please see <https://rsv.org.au/awards-and-prizes/> for all the details.

### *The Peer Prize for Women in Science 2017*

The Sun Foundation has launched the second annual Peer Prize for Women in Science, this is an annual prize for women researchers across Australia with a mission to accelerate open knowledge exchange and cross-disciplinary innovation. There are two prizes; the Life Sciences Prize (Amount: \$20000) for women undertaking research across Australia, in the broad field of Life Sciences, and the Earth, Environmental & Space Prize (Amount: \$20000) for women undertaking research across Australia, in the broad fields of Earth, Environmental & Space Sciences. deadline for submission is today (in about 14 hours from now) but the form is not too long. Please see <https://the-peer-prize-for-women-in-science-2017.thinkable.org/> for more information.

### *Advances in Measurement Science Lectureship Awards*

I am sure there are plenty of metabolomics people who could apply for this one. ACS Sensors, Analytical Chemistry, Journal of Proteome Research (full of metabolomics papers), and the ACS Division of Analytical Chemistry are seeking nominations for the inaugural Advances in Measurement Science Lectureship Awards, which will be presented at Pittcon 2018 in Orlando, Florida. The Awards honor the contributions of one individual from each of three major geographic regions -- the Americas, Europe/the Middle East/Africa (EMEA), and Asia-Pacific -- who have made a major recent impact in the field of measurement science. Each 2018 winner will receive an award plaque, an honorarium of US\$1,500 and travel funds of up to US\$1,500 to attend and present at Pittcon 2018 in Orlando, Florida. See [https://acspubs.formstack.com/forms/2018\\_lectureship\\_advances\\_in\\_measurement\\_sciences](https://acspubs.formstack.com/forms/2018_lectureship_advances_in_measurement_sciences) for all the details.

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## STORIES FROM THE WEB

- <https://phys.org/news/2017-05-transition-metal-free-carbon-carbon-bond-forming-reaction.html>

This story is on using electron paramagnetic resonance to study a transition-metal free carbon-carbon bond-forming reaction.

- <https://insidehpc.com/2017/05/leveraging-hpc-real-time-quantitative-magnetic-resonance-imaging/>

This story is on a new automated system capable of returning in-depth analyses of MRI scans in minutes. There is a story and video for this one.

- <http://www.spectroscopynow.com/details/ezone/15bf6b54ee3/Cellular-signals-NMR-metabolic-profiling.html?tzcheck=1>

This story is about the use of the new "intermolecular single quantum coherence (iSQC) NMR in metabolomics.

Until next time, have a great month all.