NEWS

Awards and funding success
Amber Beavis, who completed her Honours and PhD with the Rowell Group (EEG), is one of the 2015 winners of the Top 5 Under 40 competition. This program is jointly run by ABC Radio National and the University of New South Wales, and aims to find the new generation of scientific communicators. As a Top 5 Under 40, Amber will undertake a 2-week program at the ABC’s Sydney offices as a Scientist in Residence. She will use this opportunity to make a serialised radio show, which will play on Radio National, in addition to other scientific outreach activities.

Stefan Bröer signed a sponsored research contract with Sanofi-Aventis. The project is entitled ‘Sclc6a19 – Tissue-specific contribution to the metabolic phenotype investigates the relative contribution of kidney and intestine to the metabolic phenotype of Ssc6a19-deficient mice’.

Thomas Merkling (Divisional Visitor, Keogh Group, EEG) received a ‘Godfrey Hewitt mobility award’ from the European Society of Evolutionary Society. The grant will allow Thomas to collaborate with Lisa Schwanz from UNSW for about 10 days in September, to study the evolution of temperature-dependent sex determination in lizards.

Claire O’Brien (Visiting Fellow, BSB) received a ‘Best short talk’ award at the European Crohn’s and Colitis Organisation meeting in Barcelona, Spain.

RSB grant submission summary
March has been a big month for ARC & NHMRC funding deadlines. RSB submitted:

- 12 NHMRC Project Grants,
- 19 ARC Discovery Projects,
- 5 externally led ARC Discovery Projects as a Partner Organisation,
- 12 ARC Discovery Early Career Researcher Awards,
- 1 NHMRC Research Fellowship, and
- 4 Linkage project rejoinders.

The NHMRC Career Development Fellowships, Early Career Fellowships and ARC Linkage Infrastructure, Equipment and Facilities applications are due in April. Linkage project announcements are expected in June; Discovery and DECRA in November/December.

For any Research Management queries, email your Research Office: science.robertson.rm@anu.edu.au

Australian Biology Olympiad
Julie Beckman (First Year Coordinator, Lecturer, BTLC) has been nominated to accompany four of Australia’s brightest senior high school students, and the Australian Biology Olympiad’s Director, Julie Cook (UC), to the International Biology Olympiad to be held at Aarhus University, Denmark in July. The students will participate in friendly competition with Biology students from around the world for Gold, Silver and Bronze medals, by completing rigorous practical and theoretical examinations. An intensive course for the preparation of students will be hosted at RSB during the Easter teaching break.

Tamara Kayali Browne (Lecturer and Academic Coordinator, BTLC) has been offered a contract to publish her book Depression and the Self with Cambridge University Press.

IN THE MEDIA

A paper by Megan Head, Luke Holman, Rob Lanfear, and Michael Jennions and Ryan Phillips (EEG) entitled ‘The extent and consequences of P-hacking in science’ and has been featured in the ANU Media.

PHDs AWARDED

Jason Bertram (Solomon Group, PS), ‘Entropy-related principles for non-equilibrium systems: theoretical foundations and applications to ecology and fluid mechanics’.

CHAMINDA RATNAYAKA

Chaminda Ratnayaka has joined the Magrath Group (EEG) as a Visiting Fellow. Chaminda is a behavioural ecologist and ornithologist who completed his PhD at the University of Colombo, Sri Lanka, before carrying out post-doctoral research at the University of Turku, Finland. He will be working on acoustic communication.
FAREWELL

David Barwick is retiring from his role as Electronics Technical Officer in school workshop. David joined RSBS in 1994 as a Trainee Technical Officer, completed his training, and has since made significant contributions to support the school's research. He played a pivotal role in setting up the out of hours on call system, growth chamber and freezer alarms, and many early morning breakfast barbeques. He has happily gone out of his way to assist other school members in both their business and often personal pursuits. Something we are all going to miss. David will be putting more time into his own private business and getting some well-earned leisure time.

Samira Hassan (Mathesius Group, PS) has finished her PhD on the role of flavonoids in root-microbe interactions, and has started new position at the Department of Industry and Science doing Innovation Research.

Nadiatul Mohd Radzman (Djordjevic Group, PS) has taken up a position in Norwich as a postdoc.

Brita and Markus Winterberg arrived in Australia in 2009. Brita worked in the Mathesius Group (PS) before moving to the Solomon Group (BSB). Markus worked as Postdoc and Lab Manager in the Kirk Group (SSB) until the end of 2014, after which he worked in the Mass Spectrometry team, overseeing HPLC facilities. Markus will take up a position as Lab Head with the University of Oxford, Mahidol-Oxford Tropical Medicine Research Unit in Bangkok. His lab, in the Department of Clinical Pharmacology, will investigate malaria, TB drug metabolism, and biomarker discovery. Brita will work as a postdoc in the Department of Microbiology. Their delicious German cakes will be missed by the RSB community.

PAPERS ACCEPTED


Blyton, MD, Banks, SC, & Peakall, R. The effect of sex-biased dispersal on opposite-sexed spatial genetic structure and inbreeding risk. Molecular Ecology

Blyton, MD, Herawati, N, O’Brien, CL, & Gordon DM, Host litter associated dynamics affect Escherichia coli abundance and adhesion genotype in rats Environmental Microbiology: Reports

Croft, NP, de Verteuil, DA, Smith, SA, Tscharke, DC et al., Simultaneous quantification of viral antigen expression kinetics using data-independent mass spectrometry. Molecular & Cellular Proteomics


Flesch, IE, Randall, KL, Hollett, NA, Tscharke DC, et al., Delayed control of herpes simplex virus infection and impaired CD4+ T cell migration to the skin in mouse models of DOCK8 deficiency. Immunology & Cell Biology


Jakhetia, R, & Verma, NK, Identification and molecular characterisation of a novel Mu-like bacteriophage, SiMu, of Shigella flexneri. PLOS One

Jiang, Y, Rose, AJ, Sijmonsma, TP, Bröer, A., Bröer, S, et al. Mice lacking neutral amino acid transporter BOAT1 (Slc6a19) have elevated levels of FGF21 and GLP-1 and improved glycaemic control, Molecular Metabolism


Long, BM, Bahar, NHA, & Atkins, OK. Contributions of photosynthetic and non-photosynthetic cell types to leaf respiration in Vicia faba L. and their responses to growth temperature. Plant Cell and Environment

McDonald, MC, Solomon, PS, McDonald, BA, et al., Is Zymoseptoria tritici a hemibiotroph? Fungal Genetics and Biology

McDonald, MC, Williams, AH, Miltgate, A, Solomon, PS, et al. Next-generation re-sequencing as a tool for rapid bioinformatic screening of presence and absence of genes and accessory chromosomes across isolates of Zymoseptoria tritici, Fungal genetics and Biology

Meir, P, Wood, TE, Galbraith, DR, et al. Threshold responses to soil moisture deficit by trees and soil in tropical rain forests: insights from field experiments, Bioscience

Merking, T, Welcker, J, Hewison, AJM, et al., Identifying the selective pressures underlying offspring sex-ratio adjustments: a case study in a wild seabird, Behavioral Ecology


Rivers, J, Warthmann, N, Pogson, BJ, & Borevitz, JO, Genomic Breeding for Food, Environment and Livelihoods, Food Security

Russell, TA, Stefanovic, T & Tscharke, DC, Engineering herpes simplex viruses by infection-transfection methods including recombinant site targeting by CRISPR/Cas9 nucleases. Journal of Virological Methods

Zhang, Q, Zhang, T-J, Chow, WS, et al. Photosynthetic characteristics and light energy conversions under different light environments in five tree species occupying dominant status at different stages of forest succession, Functional Plant Biology.