CONGRATULATIONS

Award for Excellence in Education
Ben Corry (BSB) has been awarded a Vice Chancellor’s Award for Excellence in Education. Citation for Outstanding Contribution to Student Learning. Ben has developed a range of teaching strategies that deeply engage students in a large class setting. These include novel tutorials that demonstrate the process, creativity and application of the scientific method; and approaches that allow students to apply and contextualise their understanding with real world examples. Read more here.

Parasit Travaganza 2020 Awards
Sanduni Hapuarachchi (van Dooren, Lehane & Kirk groups) and Merryn Fraser (Maier group) won speaker and cash prizes in the Australian Society for Parasitology online conference. Sanduni won the People’s Choice prize for describing the role of a transporter protein in the “host heist” of cells by Toxoplasma parasites, while Merryn won the runner’s up People’s Choice prize for a Steinbeck-themed talk “Of monocyttes and malaria”.

Parasitology outreach grant
Jenni Hayward (van Dooren group) and Ayman Hemasa (Saliba group), BSB, were awarded a $3000 Student Extracurricular Enrichment Fund (SEEF) grant from PARSA to support Parasitology outreach.

IN THE MEDIA

Paradot study in the news
Fernanda Alves (Langmore group, E&E) was featured in The Conversation, an ANU media video, IFL Science, and in a cartoon by First Dog on the Moon.

Fernanda and researchers devised an ingenious solution to save chicks of the endangered forty-spotted pardalote from a blood-sucking maggot. They hung the forest with dispensers of sterilised chicken feathers treated with a bird-safe insecticide, which the birds used to collect feathers to line their nests. Chicks in the nests containing treated feathers had a 95% survival rate, compared with only 8% of birds that used feathers without insecticide. The study was published in Animal Conservation.

OUTREACH

Parasitology website for Science Week
RSB Parasitologists have created a website for Science Week and outreach, featuring blogs, games, news, and resources for studying parasitology. The site received over 900 unique visitors during Science Week. View a list of contributors here.

Barry Pogson, Ulrike Mathesius (both PS) and Jennie Mallela (E&E) were interviewed by a Senate Inquiry into farm practices that impact water quality outcomes in the Great Barrier Reef. Apparently, it was a lively discussion.

WELCOME

Marina Louter has joined the Gardner group (E&E) as a Research Officer. Marina has spent the past few years working as an ecologist and environmental consultant in the private sector, and has joined our team at Calperum Station in South Australia, investigating avian responses to climate change.

FAREWELL

Kevin Murray, Borevitz group (PS, E&E). Kevin Murray started in RSB and the CoE Plant Energy Biology in 2010 as an Advanced Topics student in Bioinformatics. He did his Honours with the Borevitz group on Arabidopsis genetic variation in light stress response, then spent a year developing new methods in plant phenomics before beginning his PhD. Kevin was a pioneer of bioinformatic teaching at RSB and bioinformatics development, some of this outlined in his thesis paper, KWIP as an unbiased way to measure genetic divergence between samples from sequence kmers. Kevin continued in the group as a postdoc, studying the adaptive radiation among woodland Eucalyptus. This resulted in seminal publications, including work with APPF@ANU rebuilding image analysis.
pipelines. Next year Kevin will take up a postdoc at the Max Planck Institute in Germany with Detlef Weigel. We wish him all the best.

Megan MacDonald joined the Solomon group (PS) in 2013 on a one year Swiss National Science Foundation Fellowship to initiate a genomics program to study wheat pathogens in the Solomon group. From there, Megan worked on a long-term GRDC project collaborating with NSW DPI to study the wheat pathogen *Zymoseptoria tritici* which has been very successful and resulted in many significant publications. Throughout her time in the lab, Megan has played a key mentoring role to many of the younger students coming through the Solomon group, and has been able to impart a bioinformatics angle on multiple projects that we wouldn’t have been able to do without her. She has also been very proactive in school activities and taken on opportunities such as being part of Grand Challenge applications. Needless to say, she will be greatly missed by not only our lab but all of RSB and we wish her all the best for the next stage of her career at the University of Birmingham.

Peta Moisis (BTLC). The Teaching Lab is very sad to farewell Peta Moisis who retired 4th September. Peta started working in BaMBi in 1992 as a casual Lab Fairy in the Teaching Lab. She held lab assistant positions before returning to the Teaching Lab as a permanent Technical Officer in 2003. Peta assisted many staff and students over the years, whether it be advice, a friendly ear, finding equipment, or a home baked cake. Her corporate knowledge, strong work ethic, vibrant and cheeky personality are going to be sorely missed. We wish Peta all the best in her retirement, the place will not be the same without her.

Alan Muir (RSB-RSC Workshop)
Alan started at the ANU Zoology Department on his 24th birthday in 1987. He has seen the merging of Zoology with Botany to become BoZo, then the RSB merger, and lastly the merging of the RSB and RSC workshops. Although an indentured Fitter & Turner, Alan started as a Workshop Assistant, then became a Technical Officer, before enrolling in night school to become a Refrigeration Technician. Alan preferred hands-on work to supervisory roles, widening his technical skills in his 33 years at ANU. His capability, generous character, and quiet, unpretentious ways will be missed at RSB.

Ursula Hurley (Divisional Technical Officer, PS)
After a long career with RSBS and now RSB, it is time to say goodbye Ursula. It has been a great pleasure and an honour to work with Ursula, and we thank her for her enthusiasm, commitment and dedication to her work, she will be greatly missed. We wish her all the best for her future ventures.

Uschi Wiedemann (Divisional Technical Officer, BSB)
Ushi decided to leave RSB at the end of August. Uschi first joined the Rob Saint’s group in the former RSBS in 2004. Following the formation of RSB, Uschi joined the BSB Division as a technical officer and was a stalwart in that position. Besides her Divisional duties, Uschi recently served on the School’s WHS Committee and as a Health and Safety Representative. Over many years, Uschi used her fantastic technical/research skills to carry out experiments and assist students and postdocs with their experiments in some BSB labs. Uschi has always been up for a chat, particularly on birds, herbs, healthy eating/cooking, or environment … her helpful and friendly demeanour will be missed.

Steve Dempsey (Plant Services)
Steve started work in Plant and Animal Culture in 1993 close to 30 years ago. He became the Plant Services Team Leader in 2006 and raised service standards, authoring most of the procedures we rely on today. His detailed records have been used by many – from creating charts for User pays and Tobacco register, to editing and improving PC2 procedures, RAs, and lastly working with others to making the Quarantine facility a working reality. His detailed records have gained the respect of IBC and Quarantine inspectors alike, and was awarded a Quarantine Certificate of Commendation for his efforts. His calm manner, attention to detail and persistence in all aspects of plant culture operations came to the fore when dealing this years’ challenges of smoke, hail, and Covid. His knowledge and guidance as a team leader, and his friendship will be greatly missed by the Plant Services team, we wish him all the best for the future.

Gavin Pritchard (Plant Services)
Gavin started work in Plant Services in 2006. He has been a crucial link to the smooth running of Plant Services, and a great support to researchers. Whether preparing soil mixes or helping with specialized projects, Gavin would go out of his way to advise or help. A quiet achiever; his knowledge and dedication to pest and disease control in the greenhouses and cabinets saved many projects. His gentle personality, friendship and quirky jokes will be greatly missed by the Plant Services team, we wish him all the best for his future.

NOTICES

From the RSB Equity and Diversity Committee
This year has been hard on all of us. The impact of COVID-19 and all its flow on effects will be felt harder by some than others as research suggests here, here, and here. It is apparent that carers of young children are most heavily impacted by lockdowns and school closures. This means especially women are most disadvantaged as they still contribute most to raising kids. If you want to find out more how women and ECRs are impacted by COVID-19 in Australia read more in the EMCR forum report. We hope that future hiring at RSB will consider the impact this year had on people’s productivity to not to unravel the slow progress we are making towards equity in the workplace.
COVID course certifications
The School has reached a milestone - 500 COVID course certifications!

Need to QC your High Molecular Weight DNA?
Did you know that the EBL now has a Femtopulse? It carries out pulsed field capillary electrophoresis for the separation and visualisation of your High Molecular Weight DNA. Great for DNA extraction protocol optimisation and QC’ing DNA prior to long read sequencing such as PacBio or Nanopore. It’s not wasteful - only picogram quantities required. RSB’s own DNA Whisperer’s data in example below. Get in touch with Niccy if you’re interested. Niccy.Aitken@anu.edu.au

PAPERS


Kirkland, LS, Maino, J, Stuart, O, & Umina, PA. Ontogeny in the European earwig (Forficula auricularia) and grain crops interact to exacerbate feeding damage risk. Journal of Applied Entomology. https://doi.org/10.1111/jen.12767


Pereira, MC & Cooper, PD. A novel head capsule labial gland lobe in the black field cricket (Orthoptera: Gryllidae), Journal of Insect Science. https://doi.org/10.1393/jisesa/iesa068


