

## Detailed Program

(Presenting authors in **bold**. \* = Bolliger Award applicant. ^ = Lyne Award applicant. ~ = President's Award applicant)

| <b>SUNDAY 7TH JULY</b>  |   |
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| 17.00   | <b>Icebreaker</b> , Clovelly Bowling Club, Corner Boundary and Ocean Street, Clovelly, NSW 2031   |
| <b>MONDAY 8TH JULY</b>  |   |
| <b>University of NSW, Building E27, Biomed Theatre C, entry via Botany Street, Randwick</b> |   |
| 8.00  | Reception   |
| 8.30  | Open  |
| <b>Session 1 - Chair: Tracey Rogers</b>   |   |
| 8.45  | <b>Law, Brad</b> ; Chidel, M and Law, P. Changes in annual survival over 14 years in a suite of Hollow-roosting Bats in a forest logging experiment situated within a climate refuge. |
| 9.00  | <b>Geiser, Fritz</b> ; Bondarenco, Artiom and Stawski, Clare. Aestivation in bats.  |
| 9.15  | <b>Dawson, Terry</b> and Webster, Koa. The physiological basis for the evolution of hopping in marsupials, plus ideas on how it came about.   |
| 9.30  | <b>*Bondarenco, Artiom</b> ; Koertner, Gerhard and Geiser, Fritz. Summer torpor by cool desert bats.  |
| 9.45  | Parry-Jones, Kerryn; <b>Webster, Koa</b> and Divljan, Anja. Hungry and stressed-out: a link between food availability and faecal stress hormones in Grey-headed Flying-foxes.         |
| 10.00   | Etherington, Sarah; Hong, Ivan; Wong, Carmen; Stephens, Nahiid and <b>Warburton, Natalie</b> . Neuromuscular junction formation in the kangaroo.                                      |
| 10.15   | Morning tea   |
| <b>Session 2 - Chair: Dan Lunney</b>  |   |
| 10.45   | <b>Bennett, Ami</b> and Coulson, Graeme. Factors influencing trap success of the swamp wallaby, <i>Wallabia bicolor</i> .   |
| 11.00   | <b>Letnic, Mike</b> ; Tischler, Max and Gordon, Christopher. Is there a general response to fire? Desert small mammal responses to wildfires in the aftermath of La Niña.             |

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| 11.15                                  | <b>Foster, Luke</b> and Blundell, Adam. Increasing the detection rate of microchiropteran bats species utilising nest boxes with the help of infra-red cameras.   |
| 11.30                                  | <b>McArthur, Clare</b> ; Orlando, Paul; Banks, Peter and Brown, Joel. Bushbaby foraging ecology: Balancing food and fear?   |
| 11.45                                  | <b>Mills, Harriet</b> . 'Rats' on Rottnest - An historical ecology approach.  |
| 12.00                                  | <b>Munn, Adam</b> ; Dunne, Craig; Müller, Dennis and Clauss, Marcus. Energy in-equivalence in Australian marsupials: Evidence for disruption of the continent's mammal assemblage, or are rules meant to be broken? |
| 12.15                                  | Lunch<br>&<br>Poster Presentations  |
| <b>Session 3 - Chair: Karl Vernes</b>  |   |
| 13.30                                  | <b>DeGabriel, Jane</b> ; Reidinger, Stefan; Massey, Fergus; Hartley, Susan and Lambin, Xavier. Grasses bite back! The role of induced silica defences in vole population cycles.                                    |
| 13.45                                  | <b>Foster, Alison</b> ; Izquierdo, Natalie; Mahon, Paul; Porter, John and Orscheg, Corinna. Common and widespread species... Do we know enough?   |
| 14.00                                  | <b>Sharp, John</b> ; Garnick, Sarah; Elgar, Mark and Coulson, Graeme. Whose poos? Redneck Wallabies ( <i>Macropus rufogriseus</i> ) exhibit species-specific faecal aversion.                                       |
| 14.15                                  | <b>Bedoya-Pérez, Miguel</b> ; Isler, I; Banks, Peter; McArthur, Clare. Roles of a volatile terpene, in plant-herbivore interactions: A foraging odour cue as well as a toxin?                                       |
| 14.30                                  | <b>Balcazar, Naysa</b> ; Tripovich, Joy; Klinck, Holger; Nieukirk, Sharon; Mellinger, David; Dziak, Robert and Rogers, Tracey. Calls reveal population structure of two "pygmy" blue whales in the Indo-Pacific.    |
| 14.45                                  | <b>*King, Wendy</b> ; Rioux-Paquette, Elise; Forsyth, David; Coulson, Graeme and Festa-Bianchet, Marco. Switcheroo: Pouch switches and adoption in Eastern Grey Kangaroos.  |
| 15.00                                  | <b>Blakey, Rachel</b> ; Law, Brad and Kingsford, Richard. Floodplain bats: bat response to flooded habitats of the Murray-Darling.  |
| 15.15                                  | Afternoon tea   |
| <b>Session 4 - Chair: Euan Ritchie</b> |   |
| 15.45                                  | <b>Tucker, Marlee</b> ; Ord, Terry and Rogers, Tracey. Choices, choices - Too big or too small: feeding habits of carnivorous mammals.  |

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| 16.00   | <b>*Cripps, Jemma</b> ; Beveridge, Ian; Ploeg, Richard and Coulson, Graeme. Quantifying the sub-clinical effects of macroparasites: A manipulation experiment in juvenile Eastern Grey kangaroos.  |
| 16.15   | <b>*Fancourt, Bronwyn</b> ; Bateman, Brooke and Johnson, Chris. Come rain or shine: Does weather drive 'boom-bust' cycles in the Eastern Quoll ( <i>Dasyurus viverrinus</i> )?   |
| 16.30   | <b>*Borthwick, Casey</b> ; Young, Lauren and Old, Julie. Molecular identification and characterisation of a pro-tumourigenic cytokine, interleukin-6, in dasyurid marsupials.  |
| 17.00   | <b>AGM</b>   |
| 18.00 - 21.00   | <b>Student dinner. The Coach and Horses Hotel, 147 Avoca Street, Randwick 2031.</b>  |
| <b>TUESDAY 9TH JULY</b>   |  |
| <b>University of NSW, Building E27, Biomed Theatre C, entry via Botany Street, Randwick</b> |  |
| 8.30  | Open   |
| <b><i>Invasive Mammals Symposium - Chair: Chris Dickman</i></b>                             |  |
| 8.45  | <b>*Carthey, Alexandra</b> and Banks, Peter. What can odour chemistry and prey behaviour tell us about naiveté in Australian mammalian predator-prey interactions?   |
| 9.00  | <b>Ritchie, Euan</b> and Bradshaw, Corey. A monument to predator xenophobia: ecological and economic impacts of the world's longest fence.   |
| 9.15  | <b>Newsome, Thomas</b> ; Ballard, Guy; Crowther, Mathew; Dickman, Christopher and Fleming, Peter. Dietary overlap of free-roaming domestic dogs and dingoes: humans and their role as trophic regulators.  |
| 9.30  | <b>Friend, Anthony</b> ; Hill, Robert and Mosen, Corey. Baiting feral cats in conservation areas within an agricultural landscape: challenges and possible solutions.  |
| 9.45  | <b>Webb, Jonathan</b> ; Cremona, Teigan; Spencer, Peter; O'Donnell, Stephanie and Shine, Rick. Teaching an old quoll new tricks: conditioned taste aversion enhances the survival of Northern Quolls in Kakadu National Park.                            |
| 10.00   | <b>Ballard, Guy</b> ; Fleming, Peter; Meek, P; Doak, S; Koertner, Gerhard; Nolan, H; Sparkes, J; Zewe, Frances; Forge, Trent; Verges, K and Reid, N. Everybody needs good neighbours: How do dingoes, foxes, cats and quolls interact in North East NSW? |
| 10.15   | Morning tea  |

| <b>Session 2 - Chair: Fritz Geiser</b> |   |
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| 10.45                                  | <b>Tucker, Marlee;</b> Ord, Terry and Rogers, Tracey. Evolutionary predictors of mammalian home range size.   |
| 11.00                                  | <b>Gonsalves, Leroy;</b> Law, Brad; Webb, Cameron; Monamy, Vaughan and Bicknell, Brian. Unravelling the ecological importance of mosquitoes to insectivorous bats: can radiotracking and fecal DNA analysis help?                     |
| 11.15                                  | <b>*Garnick, Sarah;</b> Di Stefano, Julian; Elgar, Mark and Coulson, Graeme. Ecological specialisation in habitat selection within a complex macropod community.  |
| 11.30                                  | <b>Webb, Cameron;</b> Doggett, Stephen and Ferson, Mark. The role of macropods in mosquito-borne disease: implications for urban development and wetland rehabilitation.  |
| 11.45                                  | Colvin, Jacinta; <b>Handasyde, Kath</b> and Beveridge, Ian. Koala mortality patterns based on pickup skulls from wild populations in Victoria - Evidence of sex bias in age at death and that skull injuries are common.              |
| 12.00                                  | <b>Rogers, Tracey;</b> Balcazar-Cabrera, Naysa; Klinck, Holger; Nieu Kirk, Sharon; Širovic, Ana; Mellinger, David and Tripovich, Joy. Should I stay or should I go: Antarctic Blue Whales use alternate partial migratory strategies. |
| 12.15                                  | Lunch<br>&<br>Poster Presentations  |
| <b>Session 3 - Chair: Peter Banks</b>  |   |
| 13.15                                  | <b>Lunney, Dan;</b> Predavec, Martin; Miller, Indrie; Moon, Chris; Matthews, Alison; Turbill, John; Fisher, Mark; Rhodes, Jonathan and Santika, Truly. Has environmental planning reached its limits in Koala conservation in NSW?    |
| 13.30                                  | <b>Parrott, Marissa;</b> Banks, Chris; Chhin, Sophea and Furey, Neil. Conservation in the Kingdom of Cambodia: capacity building and mammal research in a recovering country.   |
| 13.45                                  | <b>*West, Rebecca;</b> Ward, M; Taggart, D and Foster, W. The use of supplementary water by warru (Black-footed Rock-wallabies): a potential tool for population recovery.  |
| 14.00                                  | <b>Vernes, Karl;</b> Dorji, Sangay and Rajaratnam, Raj. Surveying the mammal diversity in Bhutan's biological corridors complex.  |
| 14.15                                  | <b>Taylor, Brendan;</b> Goldingay, Ross and Lindsay, John. Horizontal or vertical? Camera trap orientations and recording modes for detecting potoroos, bandicoots and pademelons.  |
| 14.30                                  | <b>*Mutton, Thomas</b> and Baker, Andrew. Ecology of <i>Antechinus mysticus</i> and <i>A. subtropicus</i> : data from the first year of a mark-recapture study.   |
| 14.45                                  | <b>Meade, Jessica;</b> Ciaglia, Michaela; Slip, David and Rogers, Tracey. Leopard Seal habitat selection.   |

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| 15.00         | Afternoon tea  |
|               | <b>Session 4 - Chair: Adam Munn</b>  |
| 15.30         | <b>Milano, Stefania</b> and Kemper, Catherine. Does the neonatal line in dolphin teeth really appear at birth?   |
| 15.45         | <b>Wallis, Ian</b> and Goldingay, Ross. Do the sap trees chosen by Yellow-bellied Gliders ( <i>Petaurus australis</i> ) have particular chemical characteristics?  |
| 17.00 – 22.00 | <b>Conference Dinner, Clovelly Bowling Club</b> , Corner Boundary and Ocean Street, Clovelly, NSW 2031, Dinner starts at 18.30h. <b>Bus departs at 17.00h</b> from UNSW, Gate 11, Botany Street.   |
|               | <b>WEDNESDAY 10TH JULY</b>   |
|               | <b>University of NSW, Building E27, Biomed Theatre C, entry via Botany Street, Randwick</b>  |
| 8.30          | Open   |
|               | <b>Session 1 - Chair: Mathew Crowther</b>  |
| 8.45          | <b>Zewe, Frances</b> ; Ballard, Guy; Koertner, Gerhard; Forge, Trent; Fleming, Peter and Vernes, Karl. Letting the cat out of the bag: feral cat ecology in mesic environments.  |
| 9.00          | <b>Clarke, Jennifer</b> ; Pearson, Tim; Déaux, Eloïse and Davis, Kelly. Developing an acoustic library of native Australian mammals.   |
| 9.15          | <b>Gurovich, Yamila</b> ; Sage, Richard and Goin, Francisco. Morphological description and age estimate in pouch young in <i>Dromiciops gliroides</i> (Marsupialia: Microbiotheria) from Patagonia, Argentina.   |
| 9.30          | Wilson, Michelle; Cripps, Jemma; Webster, Gwendolyn; Di Stefano, Julian and <b>Coulson, Graeme</b> . Ranging behaviour of Eastern Grey Kangaroos ( <i>Macropus giganteus</i> ) following manipulation of fertility.  |
| 9.45          | <b>Frankham, Greta</b> ; Handasyde, Kathrine; Norton, M; Murray, A and Eldridge M. Molecular detection of intra-population structure in a threatened potoroid, <i>Potorous tridactylus</i> : conservation management and sampling implications.              |
| 10.00         | <b>Gordon, Christopher</b> ; Moore, Benjamin and Letnic, Mike. The Dingo ( <i>Canis lupus dingo</i> ) provides a 'safe' environment for Dusky Hopping Mouse ( <i>Notomys fuscus</i> ) foraging: The role of mesopredator suppression and density dependence. |
| 10.15         | Morning tea  |
|               | <b>Session 2 - Chair: Clare McArthur</b>   |
| 10.45         | <b>Crowther, Mathew</b> ; Fillios Melanie; Colman, Nicholas and Letnic, Mike. The Australian dingo ( <i>Canis lupus dingo</i> , Meyer 1793): An updated description and type designation.  |

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| 11.00 | <b>Attard, Marie;</b> Wroe, Stephen and Rogers, Tracey. Tracking long-term diet and habitat shifts in the world's largest marsupial carnivores.  |
| 11.15 | <b>Forge, Trent;</b> Koertner, Gerhard; Zewe, Frances; Ballard, Guy; Fleming, Peter and Vernes, Karl. Ecology of the Spotted-tailed Quoll ( <i>Dasyurus maculatus</i> ) in North East NSW.   |
| 11.30 | <b>Hughes, Leon</b> and Keeley, Tamara. The reproductive biology and embryonic development of the Tasmanian Devil.   |
| 11.45 | <b>Moore, Ben D;</b> Sim, Dave; Hall, Jeanette and Iason, Glenn R. The Scottish beaver trial: The path to reintroduce a native ecosystem engineer and its effects on riparian woodland.  |
| 12.00 | <b>Purcell, Brad.</b> Observations of dingo behaviour during 5-months in the field.  |
| 12.15 | Lunch<br>&<br>Poster Presentations   |
|       | <b>Session 3 - Chair: Alison Matthews</b>  |
| 13.15 | <b>Shaughnessy, Peter;</b> Kemper, Catherine; Stemmer, David and McKenzie, Jane. Records of vagrant Fur Seals (family <i>Otariidae</i> ) in South Australia.   |
| 13.30 | <b>Tripovich, Joy;</b> Klinck, Holger; Nieukirk, Sharon; Adams, Tempe; Mellinger, David and Rogers, Tracey. Acoustic partitioning of two sympatric blue whale subspecies: Antarctic ( <i>Balaenoptera musculus intermedia</i> ) and Pygmy Blue Whales ( <i>B. m. brevicauda</i> ). |
| 13.45 | <b>Stutz, Rebecca;</b> Dexter, Nicholas; Banks, Peter and McArthur, Clare. Detect and destroy: can we subvert foraging cues used by browsing Swamp Wallabies to improve revegetation?  |
| 14.00 | <b>Smith, Andrew;</b> McAlpine, Clive; Rhodes, Jonathan; Lunney, Daniel; Seabrook, Leonie and Baxter, Greg. Habitat use by koalas at the edge of their biogeographic range in a modified semi-arid landscape.  |
| 14.15 | <b>Maclagan, Sarah;</b> Willig, Rolf; Coates, Terry and Ritchie, Euan. Habitat down the drain: How do Southern Brown Bandicoots respond to loss of habitat in a linear corridor?   |
| 14.30 | <b>Best, Emily;</b> Metzger, Julia and Goldizen, Anne. Geophagy at natural licks in the Eastern Grey kangaroo, <i>Macropus giganteus</i> .   |
| 14.45 | <b>Smith, Helen.</b> Replacing natives with aliens: wildlife responses to Black Rat invasion in Sydney Harbour National Park.  |
| 15.00 | <b>Divljan, Anja;</b> Parry-Jones, Kerryn and Wardle, Glenda. Cranial features and sexual dimorphism in Grey-headed flying foxes.  |
| 15.15 | Afternoon tea  |
| 15.45 | Student awards + close   |

## Poster

- **Georgina Andersen**; Chris Johnson and Menna Jones. Predator dynamics: the effect of top predator decline on mesopredators.
- **Bradley Clarke-Wood**; Kim Jenkins; Brad Law and Rachel Blakey. Fishing for bats in coastal lagoons: the response of the Large-footed Myotis and bat communities to habitat degradation.
- **Nicholas Colman**; Christopher Turbill; Mathew Crowther and Mike Letnic. Effects of dingo presence on risk sensitive foraging of small mammals in forested ecosystems.
- **Kelly Davis** and Jennifer Clarke. Signature characteristics in a food associated vocalisation in Tasmanian Devils, *Sarcophilus harrisii*.
- Rebekah Dawson; Nick Milne and **Natalie Warburton**. Dissecting a kangaroo's fifth limb.
- **Eloïse Déaux** and Jennifer Clarke. Dingo growl vocalizations: cues to physical characteristics and exploitation by receivers?
- **Anna Doty** and Nomakwezi Mzilikazi. Aspects of heterothermy in two species of African bats.
- **Aaron Greenville**; Glenda Wardle; Bobby Tamayo and Christopher Dickman. Bottom-up processes modify interactions between predators in resource-pulse environments.
- **Channing Hughes**; Nick Mooney and Christopher Dickman. Assessing the impact of fox baiting on the Tasmanian devil.
- **Alison Matthews**. Are species moving up in the Snowy Mountains?: resurvey of an altitudinal transect.
- **Jaya Matthews** and Fritz Geiser. Effects of post-fire substrate on behavioural and functional responses of *Sminthopsis crassicaudata* (Marsupialia).
- **Charlotte Mills** and Mike Letnic. Macropod herbivory influences on vegetation regrowth after fire: trophic cascades in the Great Lakes area.
- **Brad Purcell**. Effect of foxlights on flying foxes in orchards.
- **Emma Spencer**; Mathew Crowther and Christopher Dickman. Risky business: how do Australian desert rodents manage predation risks?
- **Michael Wyson**; Richard Hobbs; Neil Burrows; Yvonne Buckley; Leonie Valentine and Euan Ritchie. The effects of predator control on feral cat and dingo abundances and interactions in arid ecosystems.