



POSTGRADUATE RESEARCH SYMPOSIUM 2017



- 13.00-13.10** **Welcome**
- 13.10- 13.25** **Following my passion: A career in Animal Cognition**
Anna Wilkinson
- 13.25-13.40** **Physiological differences between dogs with and without separation related problems**
Luciana S. de Assis, Oliver H.P. Burman, Thomas W. Pike and Daniel S. Mills
- 13.40-13.55** **Comparison of rat behaviour in two different housing conditions**
Joanna Cruden, Oliver H.P. Burman and Jonathan Cooper
- 13.55-14.10** **The hydrological characteristics of nests and their construction materials**
Lucia Biddle, Adrian Goodman and D. Charles Deeming
- 14.10-14.25** **Linking sinking speed and shape in planktonic foraminifera**
Matthew Walker, Marcello Ruta and Stuart Humphries
- COFFEE BREAK**
- 14.45-15.00** **Structural biomechanics determine spectral tonality of bush-cricket calls**
Benedict D. Chivers, Thorin Jonsson, Carl D. Soulsbury and Fernando Montealegre-Z
- 15.00-15.15** **Following my passion: A career in Biomedical Science**
Paul Squires
- 15.15-15.30** **Unlocking the true potential of Hsp90 as a cancer target**
Joseph Brightmore and Stefan Millson
- 15.30-15.45** **Alzheimer's disease and Mitochondria: Do mitochondrial alterations precede the onset of AD?**
Wencheng Yin and Humberto Gutierrez
- 15.45-16.45** **Poster Session and nibbles** (see below for poster titles and presenters)
- 16.45** **Prize Giving** (Prizes for best talk, best poster and best question)

FINISH



Noise sensitivities in dogs: an exploration of signs in dogs with and without musculoskeletal pain

Kevin J. McPeake, Ana Luisa Lopes Fagundes, Lynn Hewison, Helen E. Zulch and Daniel S. Mills

Evaluating resistance mechanisms of the newly discovered antibacterial Arg₁₀-teixobactin in MRSA

Daniel Lloyd and Edward Taylor

Understanding the relationship between canine olfactory and pheromonal perception abilities

Katy Goddard, Malgorzata Pilot and Daniel S. Mills

Conservation genetics of Algerian Barbary macaques (*Macaca sylvanus*)

Francelly Martinez-Sosa, Mohamed Elamine Benrabah, Bonaventura Majolo and Malgorzata Pilot

A comparative study on the effect of genetic strain on the growth and development of the tibiotarsus of commercially produced Pekin duck (*Anas platyrhynchos* var. *domestica*).

Emma Atkinson, Adrian Goodman, Pamela A Cousins and D. Charles Deeming

Variation in the composition and its effects on the thermal characteristics of warbler nests

Amy Dickinson, Adrian Goodman and D. Charles Deeming

The efficacy of 'protean' anti-predator behaviour

Graham Richardson, Patrick Dickinson, Oliver H.P. Burman & Thomas W. Pike

The role of biofilm in antimicrobial resistance of *Clostridium perfringens*

May Omoigberale and Ronald A. Dixon

Isolation and Genetic Characterisation of *Vibrio parahaemolyticus* from Food Grade Shellfish with Study of Antibiotic Susceptibilities

Charlie Capindale and Ronald A. Dixon

***Galleria Mellonella*: A novel model for investigating *Clostridium Perfringens* pathogenicity**

Sammy Kay, Joseph Edwards, Joseph Brown and Ronald. A. Dixon

Comparison of DNA extraction techniques for bacteriophage of Clostridia

Joseph Edwards, Sammy Kay, Joseph Brown and Ronald A. Dixon

Characterising the driving forces behind *Saccharomyces cerevisiae* diversity in New Zealand

Peter Higgins and Matthew Goddard

Expression of CALR and CD47 in MDS and MPN models when treated AZA and RUXO

Kristian Boasman, Matthew Simmonds and Ciro Rinaldi

Phenotype and Specificity of the Islet Inflammation in Type 1 diabetes

Melissa Tombs and Michael Christie.

Comparison of *Clostridium perfringens* toxin genes in isolates from broiler chickens deemed healthy, and those with clinical and subclinical enteritis

Joseph Brown and Ronald A. Dixon

Functional variability in the shape of dragonfly wings

Robert Schwar, Paul Eady and Charles Deeming

How much is enough? Optimising data collection for large biodiversity studies

Mark Edwards, Libby John, Daniel Pincheira-Donoso, Michael Gillman and Lisa Norton

African Grey Parrots Show Proximity Bias in Patterned String Tests

Drew Picken, Thomas W. Pike and Anna Wilkinson