

BRIEF CURRICULUM VITAE

NAME Dr Rachael Gray PhD BVSc Grad. Cert. Ed. Stud. (Higher Ed.)

CURRENT POSITION

Senior Lecturer in Veterinary Pathology, Sydney School of Veterinary Science, Faculty of Science

Leader Marine Mammal and Seabird Health Collaborative (MMSHC), Sydney School of Veterinary Science, Faculty of Science, The University of Sydney

Outcomes of this group has contributed to the body of scientific literature related to the development of reference values for parameters of health in seals and investigations of hookworm disease in Australian sea lions, including naming of a novel hookworm species, *Uncinaria sanguinis*.

Current investigations also include *Toxoplasma gondii*, *E. coli* and toxicant investigations (heavy metals, persistent organic pollutants) in Australian sea lions, Australian and long-nosed fur seals, hookworm taxonomy in otariids, protozoal and microbiome investigations in pinnipeds and the Little penguin.

EDUCATION AND TRAINING

Doctor of Philosophy (2005) Faculty of Veterinary Science, The University of Sydney

'A comparative assessment of selected health indices in the leopard seal, *Hydrurga leptonyx*, and Weddell seal, *Leptonychotes weddellii*, in Prydz Bay, Eastern Antarctica'

BVSc (Hons1, University Medal) (1996) Faculty of Veterinary Science, The University of Sydney
Grad. Cert. Ed. Stud. (Higher Ed.) 2006 Faculty of Veterinary Science, The University of Sydney

PREVIOUS POSITIONS AND HONOURS

2016 Faculty of Veterinary Science Highly Commended '*In recognition of outstanding academic achievement in the field of pinniped health and disease status*'

2010 - Current Senior Lecturer Veterinary Pathology, Faculty of Veterinary Science, University of Sydney

2005 - 2010 Lecturer Veterinary Anatomy, Faculty of Veterinary Science, The University of Sydney

2000 - 2004 Demonstrator and tutor Veterinary Anatomy, Pharmacology, Physiology, Pathology (whilst undertaking PhD) Faculty of Veterinary Science, The University of Sydney

1997 - 2000 Small animal veterinarian. Veterinary clinics in Australia (full-time position) and UK (locum)

Current Professional Memberships

- Society of Marine Mammalogy; Australian Marine Science Association
- Wildlife Disease Association
- SCAR Expert Group on Birds and Marine Mammals (EG-BAMM)
- Invited member Working Group on Health Monitoring of Birds and Mammals (SCAR EG-BAMM)

Current Research Collaborations

- Dr Scott Lindsay, Associate Professor Jan Slapeta, Associate Professor Damien Higgins, Dr Alan Marcus Sydney School of Veterinary Science, University of Sydney: *Toxoplasma gondii* investigations in *N. cinerea*
- Associate Professor Jacqui Norris, Dr Angeles Sanchez-Perez, Sydney School of Veterinary Science, The University of Sydney: Investigations of acute phase proteins in feline inflammatory diseases
- Associate Professor David Phalen, Dr Alex Young, Dr Sanaa Zaki, Sydney School of Veterinary Science, The University of Sydney: Investigation of osteoarthritis in captive felids
- Associate Professor Michelle Power, Macquarie University: Disease investigations in the Little Penguin, *Eudyptula minor* and *E. coli* prevalence and phylotype in Australian pinnipeds
- Working Group on Health Monitoring of Birds and Mammals Antarctica
- Dr Rebecca McIntosh, Dr Peter Dann (Philip Island Nature Parks): Australian and long-nosed fur seal investigations
- Associate Professor Wendi Roe and Professor David Hayman, Massey University, New Zealand: Mortality investigations in New Zealand sea lions, *Phocarcos hookeri*