

RACHEL CLARE WILLIAMS

CURRICULUM VITAE

EDUCATION

2016 - Present, Postdoctoral Researcher

Duke University, USA

2011 - 2015, PhD Biology

Lancaster University, UK

2010 - 2011, MS Assistantship, Biology

Texas A&M University, Corpus Christi, USA

2007 - 2010 BSc (Hons; first class) Animal Conservation Science

University of Central Lancashire, UK

PUBLICATIONS AND PRESENTATIONS

Yoder AD, Poelstra JW, Tiley GP, **Williams RC** (2018) Neutral theory is the foundation of conservation genetics. *Molecular Biology and Evolution* **35** 1322-1326

Williams RC, Jackson, BC, Duvaux, L, Dawson, DA, Burke, T, Sinclair, W (2015) The genetic structure of *Nautilus pompilius* populations surrounding Australia and the Philippines. *Molecular Ecology* **24** 3316-3328

Williams RC, Dawson DA, Horsburgh GJ, Sinclair W (2015) Isolation and characterisation of microsatellite loci for the ancient cephalopod, *Nautilus pompilius*. *Conservation Genetics Resources* **7** 107-111

Williams RC, Newman J, Sinclair WS (2012) DNA Barcoding in *Nautilus pompilius* (Mollusca: Cephalopoda): evolutionary divergence of an ancient species in modern times. *Invertebrate Systematics* **26** 548-560

2018 "Conservation genomics in Madagascar's dwarf lemurs." Systematics Discussion Group, Duke University, USA

2017 "The evolutionary history of Madagascar's dwarf lemurs." Evolution Meeting oral presentation, Portland, USA

2016 "50 years of integrative biological and conservation research in Madagascar." Evolution Meeting poster presentation, Austin, USA

2015 "The genetic structure of *Nautilus pompilius* populations surrounding Australia and the Philippines." Population Genetics Group oral presentation, Sheffield, UK

2013 "Evolutionary divergence in an ancient species: *Nautilus pompilius*." Marine Biological Association Postgraduate Conference oral presentation, Aberystwyth, UK [Winner of best oral presentation]

2013 "Population structure of the cephalopod *Nautilus pompilius* among Australian reefs and isolated seamounts." University of Sheffield Molecular Ecology Group oral presentation, UK

2012 "*Nautilus* – a living fossil." Oral presentations on board the collection research vessel, Australia

2012 "Conservation issues for *Nautilus pompilius*: separation and speciation." European Congress of Conservation Biology Conference oral presentation, Glasgow, UK

2010 "Genetic analysis of hybridization between Mohave tui chub (*Siphateles bicolor mohavensis*) and arroyo chub (*Gila orcutti*)." Desert Fishes Council conference oral presentation, Moab, USA

FUNDING AND AWARDS

2017 Stanley W. Watson Foundation Education Fund Scholarship to attend MBL's Molecular Evolution workshop (\$602.50)

2017 National Science Foundation XCEDE start up allocation (estimated value \$4,107.50)

2016 Winner of Dovetail Genomics Matching Funds Award (\$8,200)

2015 British Council Marine Science and Technology work shop, Terengganu, Malaysia (fully funded)

2013 Genetics Society training grant (£944.00)

2013 Best Oral Presentation (Marine Biological Association Postgraduate Conference, Aberystwyth)

2012 Natural Environment Research Council (NERC) grant (£23,992.00)

2011 Lancaster University studentship grant (£37,800.00)

POLICY AND OUTREACH

- Travelled through National Parks of Madagascar, visiting *in-situ* conservation efforts
- Presented conservation education talks to divers in east Australia
- IUCN red list assessments for *Nautilus* with Cephalopoda co-ordinator, Dr Louise Allcock
- Team member setting up research and resource management for continuation by local communities in west Africa
- Volunteer for North Carolina Museum of Natural Sciences