

Zachariah Wylde | Evolutionary Ecologist

Curriculum vitae

Qualifications

PhD in Evolutionary Ecology (2015-2020) University of New South Wales (submission Sep 2019). Running title: *The role of the environment in the evolution of reproductive strategies.*

Master of Science in Biology (MSc First class honours) 2013-2014 at the University of Auckland. Thesis title: *The Community Ecology, Behaviour and Biology of New Zealand Carrion Flies.*

Postgraduate Diploma (PGDipSci with merit) 2012-2013 at the University of Auckland. Advanced study and specialisation in biological sciences including a dissertation/ thesis proposal.

Bachelor of Science (BSc major in biological sciences) 2007-2012 at the University of Auckland

Conference Presentations

Australasian Society for the Study of Animal Behaviour (2019 New Zealand). “Self-perceived dominance hierarchy effects on Cuticular hydrocarbon profiles in *Telostylinus angusticollis* (Diptera).”

Australasian Society for the Study of Evolution (2018 Tasmania). “Self-perceived dominance hierarchy effects on Cuticular hydrocarbon profiles in *Telostylinus angusticollis* (Diptera).”

Biology of spermatozoa 14 BoS (2017 Sheffield). Poster presentation: “Male condition and mating sequence effects on ejaculate storage and use in the Neriid fly, *Telostylinus angusticollis*.”

The Australasian Society for the study of Animal Behaviour joint conference with Behaviour (2015 Cairns). “Grandparental effects of breeding age on lifespan in the neriid fly, *T. angusticollis*.”

Professional Employment

Tutor/demonstrator at the University of New South Wales (2015-2019):

BIOS1101 *Ecology, Sustainability and Environmental Science*; BIOS2011 *Evolutionary and Physiological Ecology*; BIOS1301 *Ecology and Sustainability*; BIOS3171 *Evolution*.

Postdoctoral researcher at the University of New South Wales (2020): Research examining environmental effects on non-genetic transmission of life-history traits to offspring using a clonal species of springtail (*Folsomia candida*). Also involved in another project examining the natural history of a native Australian species of carrion fly, *Piophilila vitrea*. These are short projects that will be completed by May, 2020.

Publications

Wylde, Z., Spagopoulou, F., Hooper, A.K., Maklakov, A.A., Bonduriansky, R. (2019). Parental breeding age effects on descendants' longevity interact over two generations in matriline and patriline. *PLoS Biology* 17(11):e3000556. <https://doi.org/10.1371/journal.pbio.3000556>

Wylde, Z., Crean, A. and Bonduriansky, R. (2019). Effects of condition and sperm competition risk on sperm allocation and storage in neriid flies. *Behavioural Ecology*. <https://doi.org/10.1093/beheco/arz178>

Wylde, Z., Adler, L., Crean, A. and Bonduriansky, R. (2019). Perceived dominance status affects chemical signalling in the neriid fly *Telostylinus angusticollis*. *Animal Behaviour* 158: 161-174. <https://doi.org/10.1016/j.anbehav.2019.10.013>

Hooper, A.K., Spagopoulou, F., Wylde, Z., Maklakov, A.A. and Bonduriansky, R. (2017). Ontogenetic timing as a condition-dependent life history trait: high-condition males develop quickly, peak early and age fast. *Evolution* 71: 671-685. <https://doi.org/10.1111/evo.13172>

Outreach

Wylde, Z. Australasian Evolution Society blog; April 11th 2016. "The ties that bind; Grand-parental qualities affect the lifespan of descendants." http://ausevo.com/2016-04-11-ties_bind2/

References

Prof. Russell Bonduriansky

PhD Supervisor

University of New South Wales

bonduriansky.net

Dr. Angela Crean

PhD co-supervisor

University of Sydney, Australia

angelacrean.com.au/

Gregory Holwell

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Hayley Bates

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