

# Nicky Rollings

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## Academic Education and Qualifications

The University of Sydney  
2014 – 2019

PhD in Biology

Thesis title: Variation in Telomere Dynamics with Life History Strategy in Polymorphic Reptiles, *Ctenophorus pictus* and *Thamnophis sirtalis parietalis*

Supervisors: Prof Rick Shine, Dr Chris Friesen, Dr Camilla Whittington, Prof Mats Olsson

2008 - 2011

BSc (Adv)(Hons)

First Class

Thesis title: Fishing for answers:

The costs of exercise and temperature acclimation in the Eastern mosquitofish (*Gambusia holbrooki*)

Majors: Chemistry, Biochemistry, Marine Biology

## Selected Published Work

**Rollings, N.**, Friesen, C. R., Whittington, C. M., Johansson, R., Shine, R., Olsson, M., 2019. Sex- And tissue-specific differences in telomere length in a reptile. *Ecol Evol.*, **9**: 6211– 6219.

**Rollings, N.**, Friesen, C. R., Sudyka, J., Whittington, C., Giraudeau, M., Wilson, M. & Olsson, M. 2017. Telomere dynamics in a lizard with morph-specific reproductive investment and self-maintenance. *Ecol. Evol.* **7**: 5163-5169.

**Rollings, N.**, Uhrig, E. J., Krohmer, R. W., Waye, H. L., Mason, R. T., Olsson, M., Whittington, C. M. & Friesen, C. R. 2017. Age-related sex differences in body condition and telomere dynamics of red-sided garter snakes. *Proc. R. Soc. B-Biol. Sci.* **284**: 9.

## Work Experience

2019  
The University of Sydney

**Demonstrator for First Year Course “Animals and Us”**

- Lead approx. 30 students, with another demonstrator, through topics such as animal ethics, animal handling and training, and animal research methodology
- challenged students to consider their own biases and encouraged them to develop logical approaches to problems

2011, 2015 - 2016  
The University of Sydney

**Demonstrator for First Year Course “Human Biology”**

- Described and demonstrated tasks the students were to carry out
- Helped the students understand biological concepts
- Engaged the students with the material they were learning

2014 - 2016  
The University of Sydney

**Demonstrator for First Year Course “Living Systems”**

- The same duties as “Human Biology”
- Demonstrated to students the correct ways to use delicate equipment and supervised its usage

2009 – 2015  
yourtutor – Tutoring Australasia

**Senior Tutor**

- Tutoring students online from years 3 to 12 in biology, chemistry, physics, maths and research and study skills
- Supervising and providing helpful advice to tutors when they are having difficulties describing a concept to a student
- Reviewing the performance of tutors, advising tutors of company policies when needed
- Promoted twice during the course of my employment

***Selected Academic Prizes and Grants***

**2016**

- Diversity in Telomere Dynamics workshop registration grant and bursary
- University of Sydney Three Minute Thesis finalist
- University of Sydney Postgraduate Research Support Scheme
- Royston George Booker Scholarship
- Genetics Society of Australasia Mayo Award for best PhD talk
- Australian Society of Herpetologists prize for best PhD talk

**2015**

- Genetics Society of Australasia Mayo Award for best PhD talk

**Referees**

Prof Rick Shine  
PhD Supervisor  
Email: rick.shine@mq.edu.au  
Professor Emeritus  
University of Sydney

Dr Chris Friesen  
PhD Supervisor  
Email: cfriesen@uow.edu.au  
School of Biological Sciences  
University of Wollongong