
Employment

Postdoctoral Researcher: NYU Primatology group (Dept. of Anthropology)
New York University (2020 – present)

Education

PhD in Biology: Ecology & Evolution
Australian National University (2017 - 2020)

B.S. in Environmental Science: Ecology (honors)
University of Guelph (2012 - 2016)

Research Interests

I am broadly interested in understanding the proximate and ultimate mechanisms driving between-individual variation in aging and senescence. As a member of the NYU Primatology lab, I'll be investigating how social connectedness and status influence the aging process, and especially immunosenescence in a wild population of rhesus macaques in Cayo Santiago, Puerto Rico.

Publications

EB Cooper, T Bonnet, H Osmond, A Cockburn, LEB Kruuk. (2020) "Do the ages of parents or helpers affect offspring fitness in a cooperatively breeding bird?" *Journal of Evolutionary Biology*.

EB Cooper, T Bonnet, H Osmond, A Cockburn, LEB Kruuk. (2020) "Ageing and senescence across reproductive traits and survival in superb fairy-wrens (*Malurus cyaneus*)" *American Naturalist*.

S Nakagawa, AG Dunn, M Lagisz, A Bannach-Brown, EM Games, A Sánchez-Tójar, RE O'Dea, DWA Noble, MJ Westgate, PA Arnold, S Barrow, A Bethel, **EB Cooper**, YZ Foo, SR Geange, E Hennessy, W Mapanga, K Mengersen, C Munera, MJ Page, V Welch, NR Haddaway. (2020) "A new ecosystem for evidence synthesis" *Nature Ecology & Evolution*.

EB Cooper, and LEB Kruuk. (2018) "Ageing with a silver-spoon: A meta-analysis of the effect of developmental environment on senescence" *Evolution Letters*.

EB Cooper, RW Taylor, AD Kelley, AR Martinig, S Boutin, MM Humphries, B Dantzer, JE Lane, AG McAdam. (2017) "Personality is correlated with natal dispersal in North American red squirrels (*Tamiasciurus hudsonicus*)" *Behaviour*.

Teaching

2019 – 2020 ANU, *Demonstrator*, BIOL2151: Genetics (2 semesters)
2018 ANU, *Field Project Leader and Demonstrator*, BIOL2203: Field Studies in Functional Ecology
2018 ANU, *Tutor*, ENVS1003: Environment & Social Research
2017 – 2018 ANU, *Demonstrator*, ENVS1003: Environment & Social Research (2 semesters)
2016 UoG, *Undergraduate Teaching Assistant*, BIOL1007: Discovering Biodiversity

Competitive Funding

2019 Vice Chancellor's HDR Travel Grant, Australian National University
2017 Holsworth Wildlife Research Endowment, Ecological Society of Australia
2017 - 2020 HDR Scholarship (International), Australian National University
2017 - 2020 HDR Student Tuition Waiver (International), Australian National University

Awards

2018 *Hiroto Naora Student Academic Achievement Award*, Australian National University (\$900)
2018 *Outstanding Speed Talk*, Australasian Society for the Study of Animal Behaviour (\$200)

Conference Presentations

2019 EB Cooper, T Bonnet, H Osmond, A Cockburn, LEB Kruuk. Disentangling environmental and genetic effects of paternal age in a promiscuous songbird. *Oral presentation*. Australasian Evolution Society (AES).

2019 EB Cooper, T Bonnet, H Osmond, A Cockburn, LEB Kruuk. Ageing and senescence across reproductive traits and survival in superb fairy-wrens. *Poster presentation*. European Society for Evolutionary Biology (ESEB).

2018 EB Cooper and LEB Kruuk. The effects of early-life environment on senescence rates in birds and mammals. *Oral presentation*. Australasian Society for the Study of Animal Behaviour (ASSAB).

Science Communication

2018 Radio interview guest discussing the evolution of ageing and wild animal research, *ABC Saturday Breakfast* [[link](#)].

2018 Invited blogpost: "The influence of the beginning of life on the end: A silver-spoon for senescence?" *Evolution Letters Editor's Blog* [[link](#)].

Community Engagement

2017 - 2019 Organizer of the weekly *Ecology and Evolution Journal Club Meeting* at the Australian National University.

Professional Development

2019 *Methods in meta-analysis and comparative analysis*, Australian National University (3 day workshop).

2019 *Evidence Synthesis Hackathon*, Australian National University (3 day workshop).

2018 *Genomic estimation of relatedness and quantitative genetic estimation*, Center for Biodiversity Analysis (4 day workshop).

2018 *Principles of Tutoring and Demonstrating Certification*, Australian National University (20 hour certification).

Technical Proficiencies

R programming

Manipulation and analysis of large datasets

Bayesian and Frequentist inference methods

Generalized linear mixed modelling

Generalized additive mixed modelling

Quantitative genetics analysis

Meta-analysis

Field Proficiencies

Small mammal live-trapping and handling

Small mammal blood sampling and ear tagging

Small mammal personality assays

Bird mist-netting and handling

Bird and mammal behavioral observation

Telemetry

Lab and Field Research Employment

2016 *Field Research Site Supervisor*, University of Guelph, Kluane Red Squirrel Project

2015 - 2016 *Field Technician*, University of Guelph, Kluane Red Squirrel Project

2014 *Lab Technician*, Environment Canada, Global Atmospheric Watch – High Arctic Observatory
