

## DR NATALIE COOPER

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GOOGLE SCHOLAR PROFILE: [HTTP://GOO.GL/EHLTcG](http://GOO.GL/EHLTcG) FIGSHARE: [HTTP://GOO.GL/F2dPGH](http://GOO.GL/F2dPGH)

ORCID: [10000-0003-4919-8655](http://orcid.org/10000-0003-4919-8655) RESEARCHERID: [I-7976-2012](https://pubs.rsos.royalsocietypublishing.org/author/I-7976-2012)

### RESEARCH INTERESTS

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My research sits at the interface between macroecology and macroevolution, and aims to understand broad-scale patterns of biodiversity. I use cutting-edge phylogenetic comparative methods, morphological data collected from museum specimens, phylogenies, ecological data, species geographic range maps, fossils and various larger databases, to investigate a variety of questions including the influence of competition on macroevolutionary patterns, rates and modes of evolution, and the evolutionary ecology of zoonotic diseases.

### ACADEMIC CAREER

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| 2012-present | Assistant Professor, School of Natural Sciences, Trinity College Dublin.   |
| 2010-2011    | Postdoctoral Fellow, Human Evolutionary Biology, Harvard University.       |
| 2009-2010    | Postdoctoral Associate, Ecology and Evolutionary Biology, Yale University. |

### EDUCATION

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|-----------|--|
| 2005-2009 | Ph.D, <a href="#">Phylogenetic approaches for studying competition in mammals</a><br>Imperial College London & Institute of Zoology.<br>Supervisor: Prof. Andy Purvis; Co-supervisor: Prof. Kate Jones |
| 2004-2005 | M.Sc. (Distinction), Advanced Methods in Taxonomy and Biodiversity<br>Imperial College London & Natural History Museum.  |
| 2001-2004 | B.Sc. (1st class honours) Biological Sciences, University of Exeter.   |

### GRANTS AND AWARDS

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| 2012 | Marie Curie Career Integration Grant (CIG) for project <i>Evolutionary Ecology and Fossil Primates</i> . | €100,000 |
| 2009 | Seessel Postdoctoral Fellowship for <i>Innovative Research in Biology</i> .                              | \$37,000 |

### INTERNATIONAL CONFERENCE PRESENTATIONS

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|------|-----------|--|
| 2014 | Evolution | The “Dark Side” of phylogenetic comparative methods (symposium).           |
| 2013 | Evolution | Ecological correlates of extrinsic mortality in mammals and birds.         |
| 2012 | Evolution | Host phylospecificity and parasite sharing in primates and humans.         |
| 2011 | EEID      | Methods for detecting phylogenetic host specificity in parasites (poster). |
| 2010 | Evolution | Phylogenetic niche conservatism in mammals.                                |
| 2008 | Evolution | A common pattern of overdispersion in mammalian assemblages.               |

### INVITED SEMINAR TALKS

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|------|---|
| 2013 | Ecology & Environment Seminar Series, University of Southampton.          |
| 2013 | Ecology, Evolution & Environment Seminar Series, University of Sheffield. |
| 2013 | Biological Sciences Seminar Series, University of Liverpool.              |
| 2013 | Evolutionary Morphology (EvMorph) Seminar Series, University of Chicago.  |
| 2011 | Museum of Comparative Zoology Seminar Series, Harvard University.         |

## PROFESSIONAL SERVICE

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2014-present	Member of BES Publications Committee.
2013-present	Organiser of #MacroJC, a tri-continental online macroevolution journal club.
2013-present	Member of School of Natural Sciences <a href="#">INTEGER</a> committee on Gender Equality (and website maintainer).
2013-present	Evolutionary Biology & Ecology seminar series organiser.
2012-present	Organiser of NERD club, a weekly Ecology and Evolution research group meeting for staff and PhD students across the School of Natural Sciences.
2013-present	Grant reviewer for UK Natural Environment Research Council (NERC).
2013-present	Grant reviewer for Canadian National Science Foundation (NSERC).
2012-present	Member of British Ecological Society (BES) including Macroecology Group.
2013-present	Member of Society of Systematic Biologists.

## PUBLIC ENGAGEMENT AND OUTREACH

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2014	Organiser of <a href="#">SoapBox Science Ireland</a> - an outreach event featuring women in science explaining their research in an interactive way.
2013 & 2014	Organiser and tour guide for <a href="#">Discover Research Dublin</a> at the TCD Zoology Museum, as part of European Researcher's Night.
2013-present	<a href="#">EcoEvo@TCD blog</a> developer and contributor. The blog has had over 44,300 views and over 220 posts.
2012-present	Active Twitter user ( <a href="#">@nhcooper123</a> ) with over 1200 followers and over 6000 tweets.

## TEACHING EXPERIENCE

### POSTGRADUATE STUDENT SUPERVISION

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PhD	2012-2015	Thomas Guillerme	Evolutionary ecology and primates	TCD
MRes	2012-2014	Sive Finlay	Convergent evolution in tenrecs	TCD
MSc	2013	Marta Capolei	Host phylospecificity in parasites	TCD

### UNDERGRADUATE AND TAUGHT POSTGRADUATE

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2012-present	Intro to Biodiversity, Evolution & the Environment	Year 1	TCD
2012-present	Comparative Physiology (Vertebrate Biomechanics)	Year 3	TCD
2013-present	Research Comprehension	Year 4	TCD
2012-present	Taxonomy & Systematics	MSc	TCD

### POSTGRADUATE, POSTDOCS AND STAFF

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2013-present	Computer Skills (LaTeX, R, git etc.)	All	TCD
2010-2012	AnthroTree Phylogenetic Comparative Methods workshop	All	-

## JOURNAL REVIEWING

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The American Naturalist, Animal Conservation, BMC Evolutionary Biology, Conservation Biology, Ecology, Ecology and Evolution, Ecology Letters, Evolution, Global Ecology & Biogeography, International Journal of Primatology, Journal of Animal Ecology, Journal of Biogeography, Journal of Evolutionary Biology, Methods in Ecology & Evolution, Oecologia, Philosophical Transactions of the Royal Society: B, PLoS One, Proceedings of the National Academy of Sciences USA, Proceedings of the Royal Society: B, Trends in Ecology & Evolution.