

Philip Erm

Department of Zoology
University of Cambridge, Cambridge, United Kingdom
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EDUCATION

- PhD in Zoology** **2019–**
Comparing sea sparing and sea sharing for marine conservation
Supervisor: Professor Andrew Balmford FRS
Department of Zoology, University of Cambridge
- Master of Science (BioSciences)** **2016–2017**
I. *The effect of population growth and demographic stochasticity on the speed of experimental invasions*
II. *Spreading population waves transform from pushed to pulled as selection increases resistance to Allee effects*
Supervisor: Professor Ben L. Phillips
School of BioSciences, University of Melbourne
- Bachelor of Science, major in Zoology** **2013–2015**
School of BioSciences, University of Melbourne
- Bachelor of Arts, majors in Classics and Ancient World Studies** **2010–2012**
School of Historical and Philosophical Studies, University of Melbourne

NON-TEACHING EMPLOYMENT

- Research Assistant** **2016–2019**
To Assoc. Prof. Ben L. Phillips, University of Melbourne

TEACHING

- Supervisor** **2021–2022**
Subjects: *Responses to Global Change*
Department of Zoology, University of Cambridge
- Demonstrator** **2019**
Subjects: *Ecology in Changing Environments*
School of BioSciences, University of Melbourne
- Tutor** **2018–2019**
Subjects: *Australian Wildlife Biology; Comparative Animal Physiology; Evolution and the Human Condition; Introduction to Climate Change*
Ormond College, University of Melbourne

Resident Tutor

2017

Subjects: *Animal Physiology and Growth; Australian Wildlife Biology; Biomolecules and Cells; Comparative Animal Physiology; Ecology; The Global Environment; Human Sciences: From Cells to Societies; Introduction to Life, Earth, and Universe*
St Hilda's College, University of Melbourne

PUBLICATIONS

In preparation:

[7] **Erm P.**, Holden M. H., Cerullo G., & Balmford A. Production at least cost to the planet.

[6] **Erm P.**, Balmford A., Krueck N., Takashina N., & Holden M. H. Assessing the likely benefits of marine protected areas in heterogenous and damaged seascapes.

[5] **Erm P.**, Hall M. D., & Phillips B. L. When condition-dependent dispersal doesn't affect range expansion speed.

Published/in press:

[4] **Erm P.**, Balmford A. & Holden M. H. (2023) [The biodiversity benefits of marine protected areas in well-regulated fisheries](#). *Biological Conservation* 284: 110049. DOI: 0.1016/j.biocon.2023.110049.

[3] Cerullo G., França F., Finch T., **Erm P.**, Griffiths H., Louzada J., Bousfield C. G., Massam, M. R., Peres A. P., Barlow J., Green R. E., Edwards D. P., & Balmford A. (2023) [Sparing old-growth maximises conservation outcomes within selectively logged Amazonian rainforest](#). *Biological Conservation* 282: 110065. DOI: 10.1016/j.biocon.2023.110065.

[2] **Erm P.** & Phillips B. L. (2020) [Evolution transforms pushed waves into pulled waves](#). *The American Naturalist* 195: E87-E99. DOI: 10.1086/707324.

Awarded the **American Society of Naturalists' Presidential Award** as the best paper to appear in *The American Naturalist* in 2020

[1] **Erm P.**, Hall M. D., & Phillips B. L. (2019) [Anywhere but here: local conditions motivate dispersal in *Daphnia*](#). *PeerJ* 7:e6599. DOI: 10.7717/peerj.6599.

AWARDS, PRIZES, & SCHOLARSHIPS

Research Studentship (£3000 GBP)
Cambridge Philosophical Society

2022

American Society of Naturalists' Presidential Award (\$1000 USD)	2021
<i>Given to the authors of the best paper to appear in The American Naturalist in 2020 (Erm P. & Phillips B. L. (2020) Evolution transforms pushed waves into pulled waves. The American Naturalist 195: E87-E99. DOI: 10.1086/707324)</i>	
American Society of Naturalists	
Gravity Travel Award (£500)	2020
Cambridge Gravity, University of Cambridge	
Cambridge Australia Poynton Scholarship (approx. \$240,000 AUD)	2019
Cambridge Australia Scholarships	
Cambridge International Scholarship (Honorary Trust Scholar)	2019
<i>Full-cost scholarship awarded to the 250 highest-ranked Cambridge PhD applicants. Honorary Trust Scholar status granted due to award of Cambridge Australia Poynton Scholarship</i>	
Cambridge Trust, University of Cambridge	
Highest-scoring graduate student: Faculty of Science	2017
Faculty of Science, University of Melbourne	
F.H. Drummond Prize in Zoology (\$500 AUD)	2017
<i>Awarded to the highest-scoring graduate student in the discipline of zoology</i>	
School of BioSciences, University of Melbourne	
The Dean's Honours List in Master of Science (BioSciences)	2017
Faculty of Science, University of Melbourne	
Best 10-minute talk: Annual BioSciences Postgraduate Symposium	2017
(\$150 AUD)	
School of BioSciences, University of Melbourne	
Exhibition Prize in 3rd Year Zoology (\$450 AUD)	2015
<i>Awarded to the highest-scoring student in the 3rd year of the Zoology major</i>	
School of BioSciences, University of Melbourne	
The Dean's Honours List in Bachelor of Science	2013
Faculty of Science, University of Melbourne	
The Dean's Honours List in Bachelor of Arts	2010, 2012, 2013
Faculty of Arts, University of Melbourne	

GRANTS

The Hitchcock Fund grant (£500)	2020
Department of Zoology, University of Cambridge	

Melbourne Global Grant (\$1100 AUD) 2011
University of Melbourne

CONFERENCE & WORKSHOP PRESENTATIONS

Conference: **Zoology Postgrad Symposium 2022** 2022
Talk: **"Conservation ahoy! Bringing sparing and sharing to the watery part of the world"**
Department of Zoology, University of Cambridge

Conference: **3rd Annual BioSciences Postgraduate Symposium** 2017
Talk: **"Spreading populations and the evolutionary push to be pulled"**
School of BioSciences, University of Melbourne

Conference: **Australasian Evolution Society 2017 Conference** 2017
Talk: **"Spreading populations and the evolutionary push to be pulled"**
University of Tasmania

SCIENTIFIC OUTREACH, VOLUNTEERING, & DEPARTMENTAL SERVICE

Coding Club Co-lead 2022–
Department of Zoology, University of Cambridge

BioSciences Work Experience Host 2016–2019
School of BioSciences, University of Melbourne

MISCELLANEOUS

University of Cambridge Sports Club Personality of the Year Winner 2022

Cambridge University Canoe Club President 2022

Cambridge University Canoe Club Secretary 2020–2021