

## DR LEE M HENRY

Senior Lecturer in Molecular Microbial Ecology  
School of Biological and Chemical Sciences  
Queen Mary University of London

Email: [l.henry@qmul.ac.uk](mailto:l.henry@qmul.ac.uk)  
Phone: 020 7882 3610  
Web: <http://www.sbcs.qmul.ac.uk/staff/leehenry.html>

### EMPLOYMENT

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2016-Present Senior Lecturer and NERC IRF Fellow: Queen Mary University of London, Department of Organismal Biology, School of Biological Sciences, London, UK.  
2014-2016 Marie Curie Fellow: Vrije University, Department of Animal Ecology, Amsterdam, Netherlands  
2012-2014 NSERC Postdoctoral Research Fellow: University of Oxford, Department of Zoology, Oxford, UK  
2010-2012 Postdoctoral Research Fellow: University of Oxford, Department of Zoology, Oxford, UK  
2009- 2010 Postdoctoral Research Fellow: Simon Fraser University, Department of Biological Sciences, Burnaby, Canada

### QUALIFICATIONS

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2004-2009 PhD Evolutionary Ecology, Department of Biological Sciences, Simon Fraser University, Canada  
2000-2004 BSc Honours Biology, Department of Biology, University of Victoria, Victoria, Canada

### REPRESENTATIVE RESEARCH GRANTS (>£1,550,000 GBP FUNDING TO DATE)

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2020	Leverhulme Trust Standard Grant	£ 255,882
2020	Wellcome Sanger Aquatic Symbiosis Genome Project	Hub Co-I
2019	QMUL Internal grant	£ 70,000
2018	Wellcome Trust Seed Award (Co-I)	£ 80,000
2017	Marie Curie Intra-European Fellowship (Supervisor)	€ 245,987
2016	NERC Independent Research Fellowship	£ 673,728
2014	Marie Curie Intra-European Fellowship	€ 175,975
2012	NERC Pilot Project Grant	£ 3600
2011	NSERC Millennium Research Award	\$ 10,000
2011	NSERC Postdoctoral Fellowship	\$ 90,000
2006	NSERC Postgraduate Scholarship	\$ 42,000
2003	NSERC Postgraduate Scholarship	\$ 42,000

### SELECTED PUBLICATION

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Jackson R, **Henry L**, Wurm Y (2020) Evolution: the legacy of endosymbiosis in ants. *Current Biology* 30:PR1385-R1387

Monnin D, Jackson R, Kiers ET, Bunker M, Ellers J, **Henry LM**. (2020) Parallel evolution in the integration of a co-obligate aphid symbiosis. *Current Biology* 30, 1949-1957.

McLean AM, Godfray HCJ, Ellers J and **Henry LM** (2019) Host relatedness influences the composition of aphid microbiomes. *Environmental Microbiology Reports*. emi412795.

Wagner NK, Ellers J & **Henry LM** (2018) Host-symbiont genotype interactions limit the establishment of novel symbioses. *BMC Evolutionary Biology* 18.

Fisher RM, **Henry LM**, Cornwallis CK, Kiers ET & West SA. (2017) The evolution of host-symbiont dependence. *Nature Communications* 15973.

McLean AHC, Parker BJ, Hrcek J, **Henry LM** et al. (2016) Insect symbionts in food webs. *Philosophical Transactions of the Royal Society B*. 371, 1702.

**Henry LM**, Maiden MCJ, Ferrari J et al. (2015) Insect life history and the evolution of bacterial mutualism. *Ecology Letters* 18, 516-525.

Lukasik P, Guo H, van Asch M, **Henry LM**, et al. (2015) Horizontal transfer of facultative endosymbionts is limited by host relatedness. *Evolution* 69, 2757-2766.

**Henry LM**, Peccoud J, Simon J-C et al. (2013) Horizontally transmitted symbionts and host colonization of ecological niches. *Current Biology* 23, 1713-1717.

**Henry LM\***, Schwander T\*, Crespi BJ (2012) Deleterious mutates on accumulation in asexual *Timema* stick insects. *Molecular Biology and Evolution*. 29, 401-408. \*Equal contribution

Schwander T\*, **Henry LM\***, Crespi BJ (2011) Molecular evidence for ancient asexuality in *Timema* stick insects. *Current Biology* 21, 1129-1134. \*Equal contribution

**Henry LM**, Bannerman JA, Gillespie DR et al. (2010). Predator identity and the nature and strength of food web interactions. *Journal of Animal Ecology* 79, 1164-1171.

**Henry LM**, Roitberg BD & Gillespie DR (2008). Host-range evolution in *Aphidius* parasitoids: fidelity, virulence and fitness trade-offs on an ancestral host. *Evolution* 62, 689-699.

**Henry LM**, Roitberg BD & Gillespie DR (2006). Covariance of phenotypically plastic traits induces an adaptive shift in host selection behaviour. *Proceedings of the Royal Society B* 273: 2893-2899.

**Henry LM** and Roitberg BD. Parasitoids. Encyclopedia of Animal Behavior. Breed, M. D. & Moore, J., eds. *In Antipredator behavior*, T. Stankowich, section editor. Academic Press, Oxford 2010. (Book Chapter)

## STAFF AND STUDENTS

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I currently supervise 4 PhD students (T. Wu, B. Panossian, R. Jackson, G. Moggioli), a part-time technician (C. Economou) and a post doctoral research fellow (Dr. D. Monnin). I have seen 5 MSc students through to completion (R. Jackson, P. Patapiou, M. Bunker – 2017-2018; G. Golding 2016-2017; and N. Wagner-2014-2016), three of which are now in PhD programs.

## SELECTED INVITED SEMINARS

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2021 Gordon Research Conference – Microbial Population Biology (Invited speaker) Andover, USA  
2018 Reef Microbiome Workshop, Barbados (Invited speaker)  
2018 International Society for Microbial Ecology, Leipzig, DE (Keynote speaker)  
2017 Entomological Society of America, Denver, USA (Keynote speaker)  
2016 University of Liverpool, Liverpool, UK (Departmental seminar)  
2016 University of York, UK (Departmental seminar)  
2016 Major Transitions Symposium, University of Oxford, UK (Invited speaker)  
2015 Gordon Research Conference - Animal-Microbe Symbioses (Invited speaker) Andover, USA

## SELECTED MEDIA WORK AND COVERAGE

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Kost C. (2020) Predictable patterns of symbiont cointegration. Cell Press. manner. Davies E. (2011) Stick insects survive one million years without sex. BBC Nature News. Sabbaraman N. (2011) Secret lives of sexless species. MSNBC's Cosmic Log

## REVIEWING

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I am NERC Peer Review College member. I also regularly review manuscripts for journals including: Current Biology, Evolution, Molecular Ecology, Journal of Evolutionary Biology, ISME, Proceeding of the Royal Society- Series B, Journal of Animal Ecology. I have reviewed grant applications for ERC 2020 (Consolidator and start-up grants), NERC, and BBSRC.