

JENNIFER CARPENTER

jenny@jennycarpenter.com | www.jennycarpenter.com

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and research publications and academic reviews: www.jennycarpenter.com/publications.html

EDUCATION

PhD in Evolutionary Genetics. University of Edinburgh UK 2004-2008

Masters in Biological Sciences. University of Sheffield UK 2002-2003

(A.R. Clapham prize for highest grade-average in the year)

Bachelors of Science in Ecology (1st class degree). University of Sheffield UK 1999-2002

PUBLICATIONS

Carpenter, J.A., Hadfield, J.D., Bangham, Jenny, & Jiggins, F.M., Specific interactions between host and parasite genotypes do not act as a constraint on the evolution of antiviral resistance in *Drosophila*. *Evolution*. In Press.

Waldron, F.M., Bangham, Jenny., **Carpenter, J.A.**, Magwire, M.M. & Jiggins, F.M. From QTL to SNP: A single mutation effects sex-specific transmission of the parasitic rhabdovirus sigma in *Drosophila melanogaster*. Submitted.

Carpenter, J.A., Keegan, L., Wilfert, L., O'Connell, M.A., and Jiggins, F.M. Evidence for ADAR-induced hypermutation of the *Drosophila sigma virus* (Rhabdoviridae). *BMC Genetics* 10, 1471-2156 (2009).

Carpenter, J.A., Hutter, S., Baines, J.F., Roller, J., Parsch, J. and Jiggins, F.M. The transcriptional response of *Drosophila melanogaster* to infection with the sigma virus (Rhabdoviridae). *PLoS ONE* 4, e6838 (2009).

Carpenter, J.A., Jiggins, F. and Little, T. Dialogue on defenses: report from the workshop on "the impact of the environment on innate immunity: at the defence frontier", 22-27 April 2007. *Developmental and Comparative Immunology* 32, 307-309 (2008).

Carpenter, J.A., Obbard, D.J. Maside, X. and Jiggins, F.M., The recent spread of a vertically transmitted virus through populations of *Drosophila melanogaster*. *Molecular Ecology* 16, 3947-3954 (2007).

TEACHING EXPERIENCE

Tutor University of Toronto, Canada: 2009 – 2010
Accessibility tutor for undergraduate level biology

Tutor Open University, UK: 2009
Undergraduate (1st, 2nd and 3rd Year) neuroscience students with physical disabilities

Teaching Assistant University of Edinburgh, UK: 2004 - 2009
Tutoring and leading practicals/labs for the following undergraduate courses: *Origin and Diversity of Life* (1st year course), *Evolution in Action* (2nd year course), *Gene on Gene Action* (2nd year course), *Evolutionary and Ecological Genetics* (3rd year course)

Teaching Assistant on statistical field course University of Sheffield: 2003
Teaching undergraduates hypothesis testing, experimental design and data analysis in the field in Portugal

PROGRAMMING/LITERACY

Proficient with statistical analysis (R). Web-design (XHTML & CSS). Typesetting (LaTeX). Audio editing (Dalet and Audacity). Content management (CPS).

OTHER EXPERIENCE

Broadcast journalist, **BBC**, Ivan Nobel Bursary award London: **Present**
Writing daily online news. Covering science conferences. Researching and voicing daily dispatches for BBC World Service. Contributing to studio recorded discussion for national and international radio. Producing radio packages.

Reporter, **Science Magazine** autumn internship Cambridge, UK and Washington DC: **2010**
Wrote daily news for online. Covered UK and US science policy for print and online. Researched and wrote features for print.

Freelance writer and broadcaster Toronto: **2009-2010**
Clients included **New Scientist**, **Science Careers**, **Science Magazine**, **BBC Focus Magazine**, **EMBL**, **BBC Wildlife Magazine**, **BBC** and **CBC**

Canadian science reporter, **BBC** Toronto: **2008-2009**
Covered Canadian science for BBC.

Reporter, **BBC**, British Science Association fellowship London: June-September **2008**
Wrote daily online news. Researched and produced a weekly national science radio show 'Material World'. Contributed radio packages to World Service.

Writer, **European Science Foundation** Edinburgh: **2007-2008**
Reported on hot topics from European research conferences for online science news forums.

Reviewer, *Heredity* 2008 - 2009

Research Assistant University of Sheffield, UK: **2003**
Molecular behavioural study of house sparrows based in laboratory of Professor Terry Burk, Department of Evolutionary Genetics

PRIZES AND GRANTS

Canadian Institute of Health Research journalism award for radio documentary on modern day eunuchs and transgender identity (\$10,000) (2010)

The British Association for the Advancement of Science media fellowship (2008)

Wellcome Trust and New Scientist science essay competition, 3rd prize (2007)

Travel awards: James Rennie Bequest travel award (2006 and 2007). British Genetics Society travel grant for junior scientists (2004 and 2006). British Genetics Society fieldwork grant (2004)

Natural Environment Research Council (NERC) funding for 3 year doctorate. (£36,000) (2004-2008)

REFEREES

Dr Francis Jiggins, Department of Genetics
University of Cambridge, Downing Street, Cambridge, UK, CB2 3EH.
Email: f.jiggins@gen.cam.ac.uk, Tel: (+44) (0) 1223 333 945

Dr Tom Little, School of Biological Sciences, Institute of Evolutionary Biology
The University of Edinburgh, The King's Buildings, West Mains Road, Edinburgh, UK. EH9 3JT.
Email: tom.little@ed.ac.uk, Tel: (+44) (0) 131 535 4311