

Curriculum vitae: Tom Tregenza

Professor of Evolutionary Ecology

Director of Research, Centre for Ecology and Conservation, University of Exeter

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Qualifications and career history

Royal Society University Research Fellow: Universities of Leeds & Exeter 2001-2009.

NERC postdoctoral fellow: University of Leeds, 1998-2001. Genetic benefits of multiple mates - The evolution of polyandry and genetic benefits to polyandrous females.

Royal Society travelling fellow: University of Melbourne, 1997-1998. Chemical communication and co-evolution between Lycaenid butterflies and ants.

NERC postdoctoral researcher: University of Leeds, 1994-1997. Testing competing hypotheses for the origins of reproductive isolation in the meadow grasshopper, *Chorthippus parallelus*. With R.K. Butlin.

PhD: 'On the ideal free distribution', University of Liverpool, 1991-1994:

Theoretical and experimental work developing and investigating the predictions and assumptions of interference and unequal competitor ideal free distribution models using parasitoid wasps and cichlid fish. Supervised by G.A. Parker FRS and D.J. Thompson.

Honours degree: BSc Hons Zoology, (2:1). University of Bristol, 1988-1991.

Research interests

Natural and Sexual selection in wild insects – Combining video monitoring using a large camera network with genotyping of all individuals in a natural population of the field cricket *Gryllus campestris*, I aim to provide insights into how behavioural and life history traits translate into reproductive success.

Genetic benefits of multiple mates - Examining the evolution of polyandry and genetic benefits to polyandrous females, particularly in relation to genetic compatibility between mates. Predominantly empirical approach using insect model systems, including the field cricket *Gryllus bimaculatus* the bruchid beetle *Callosobruchus maculatus*.

Speciation - Using insect model systems (particularly European Orthoptera) to examine patterns of divergence and pre- and post-mating isolation between populations.

Sexual selection - Condition dependence and immunity; heritability of sexually selected traits, co-inheritance of female choice and male traits.

Sexual conflict – Costs of matings to females and male adaptations to increase fertilisation success studied in insect model systems including bruchid beetles.

Behavioural plasticity in cephalopods – Newly discovered behaviours in cuttlefish and octopuses may throw light on mating strategies and the evolution of mimicry and tool use. Collaborative work with M. Norman and J. Finn (Museum Victoria, Melbourne).

Grants and Awards (excluding previous fellowships)

- Runner up in British Association Young Science Writer competition, 1991.
- Association for the Study of Animal Behaviour, Outstanding New Investigator Prize, 2002.
- Royal Society, Short visit grant: 'Polyandry as a defence against costs of inbreeding in the field cricket *Teleogryllus oceanicus*' £1530. Jan-Feb 2002. PI.
- Awards from NERC (Sheffield Molecular Genetics Facility) to develop microsatellite markers for crickets, and subsequently to use these experimentally. 2001-2003. PI.
- Association for the Study of Animal Behaviour grant: '*A new apparatus for measuring phonotaxis in insects*' £4858. November 2003. PI.
- Leverhulme Trust research grant: '*Is multiple mating a female strategy to avoid inbreeding?*' £104,423. October 2004-2007. PI.
- Royal Society, funding for discussion meeting: '*Sexual conflict, a new paradigm?*' Access to facilities and approx £8000 funding. May 2005. PI.
- National Centre for Ecological Analysis and Synthesis (NCEAS) working group: 'A quantitative exploration of the role of publication-related biases in ecology' \$44,706. May 2005-June 2008. PI.
- Leverhulme Trust research grant: '*Parasitic bacteria, sexual selection and population dynamics?*' £101,151. October 2005-2008. CI.
- European Union European Social Fund Grant from Research and Development Framework fund £67,853 May 2005-June 2007. PI.
- Australian Research Council grant: '*Evolution of insect genitalia: phallic reversal in Australian praying mantids*' £110,000. January 2006- 2009. CI.
- Royal Society, University Research Fellowship: '*Multiple mates, genetic compatibility and sexual conflict*' £399,814.80 Extended October 2006-2009. PI.
- NERC standard grant: '*Sexual conflict coevolution - population size, divergence and the emergence of new variation*' £411,228. December 2006-2009. PI.
- NERC standard grant: '*Natural and Sexual selection in a wild insect population*' £431,000. November 2007-2010. PI.
- Royal Society, Short visit grant: '*Utilising new monitoring techniques to understand signalling in crickets*' £3790. Dec 2007- Feb 2008. PI.
- NERC MGF small grant '*Behavioural genes in wild insects*' £5200. May 2009. PI.
- Roche sponsorship – kit for full plate on 454 titanium sequencer £4500. June 2009. PI.
- Leverhulme Trust research grant: '*Sexual dimorphism and speciation: alternative outcomes of evolutionary radiation?*' £126,542. August 2009-2012. PI.
- NERC standard grant: '*Understanding the evolution of the G matrix: insights from field Crickets*' £475,846. Jan 2010-2013. CI.
- European Social Fund Exploratory Workshop grant: '*Genotype by environment interactions in sexual selection*' €14,000. July 2010. CI.
- NBAF small grant '*Determining trait heritability in a wild insect population*' £5K. Feb 2010. PI.
- NERC standard grant: '*Selection on behaviour and life histories across generations in a natural population*' (rated $\alpha 5$): £431,525. Nov 2010-2013. PI.
- NERC technologies proof of concept directed grant: '*Video image recognition for ecological monitoring*' £120,015. Oct 2010-2011. PI.

NERC Life Sciences Mass Spectrometry Facility: 'Sexual dimorphism and speciation: evolutionary tension between processes of adaptive diversification?' £21,522. Mar 2012. PI.

Teaching experience

1st year course on Evolution (approx 250 students)
2nd year course on Behavioural Ecology (approx 140 students)
2nd year course on Quantitative Methods (approx 90 students)
3rd year course on Controversies in Ecology and Evolution (approx 30 students)
MSc and PhD courses in Key Skills (approx 45 students)
MSc field courses in Kenya and the Isles of Scilly
I have been main supervisor of 4 successful PhD graduates working on evolutionary and behavioural ecology and have co-supervised several others.

Other relevant experience

Head of the Behaviour Research Theme, University of Exeter, 2009-
Deputy Director of the Centre for Ecology and Conservation, University of Exeter, School of Biosciences, Cornwall Campus 2008-
Section Editor responsible for Evolution, *PLoS ONE* 2008-2010
Associate Editor *PLoS ONE* 2006-
Associate Editor for *Evolution* 2003-2006
Consulting Editor for *Animal Behaviour* 2003-2006
Edited an issue of *Philosophical Transactions of the Royal Society B* 2005
Member of the *NERC* Biomolecular Analysis Facility Steering Committee 2006-
Member of Council of *European Society for Evolutionary Biology* 2005-2009
Member of *Royal Society* Summer Science Exhibition Committee 2006-2010
Member of *Royal Society* summer grants committee 2004
Presented talks and posters at numerous international conferences. **Invited keynote speaker to:** German Zoological Association (DZG) Saarbrücken, September 2011
EMPSEB meeting, Seia, Portugal, August 2011; Evolutionary potential in natural populations, Aarhus University, Denmark, April 2010; Darwinism – A Sesqui-Centennial Celebration, Indian National Science Academy, Karnatak University, Dharwad, India, 2009; Uppsala Evolutionary Biology Centre 'Revolution' symposia 2006; European society for evolutionary biology conference, Krakow, Poland, 2005; Stockholm University 'Bloodbath' Tovetorp, Sweden 2004; Finnish graduate school of evolutionary ecology, Oulanka, Finland 2002; ASAB Easter conference, Bristol, 2002; International entomology congress, Foz do Iguaçu, Brazil, 2000; European Society for Evolutionary Biology conference, Arnhem, Netherlands, 1997; International entomology congress, Firenze, Italy, 1996.

Invited seminars at Universities: Aberdeen, Bonn, Bristol (x2), Cambridge, Cardiff, Chile (Santiago), Edinburgh, Exeter, Harvard, Helsinki, Imperial College, Leeds, Lausanne, Liverpool, Melbourne, Newcastle, Nottingham, Queen Mary, Reading, Sheffield (x2), Stirling, Seewiesen, Stockholm, Toronto, Tuebingen, University College London, Umeå, Uppsala, Vienna and Zurich.

Referee for >30 journals, and 8 grant awarding bodies.

External examiner for PhD theses in Australia (2), Finland (3), Denmark (1) and the UK (7).

Co-organiser of Royal Society Discussion meeting: *Sexual conflict: a new paradigm?* London 2005.

Sole organiser of Association for the Study of Animal Behaviour PhD student workshop, Leeds 2003. Main organiser ASAB Easter Meeting, CEC Cornwall, 2007.

Sole organiser of Northern Yorkshire universities evolutionary ecology meeting 2001.

Member of organising committee and designer for European Population Genetics Group Meeting 2002, and European Society for the Study of Evolution Conference 2003.

Expertise in: Gas chromatography, automated sound and video recording and analysis, insect rearing, statistical data analysis and manipulation, pointing out the shortcomings in other people's work, whilst glossing over those in my own.

All Refereed Publications

Wright, LI. Fuller, WJ. Godley, BJ. McGowan, A. Tregenza, T Broderick, A. 2012 Reconstruction of paternal genotypes over multiple breeding seasons reveals supra-annual breeding intervals of male green turtles. ***Mol Ecol. In Press.***

Wright, LI. Stokes, KL. Fuller, WJ. Godley, BJ. McGowan, A. Snape, R. Tregenza, T Broderick, A. 2012 Turtle mating patterns buffer against disruptive effects of climate change. ***Proc. Roy. Soc. B. 279***, 2122-2127.

Sharma, MD. Mitchell, C. Hunt, J. Tregenza, T. Hosken, DJ. 2012 The genetics of cuticular hydrocarbon profiles in the fruit fly *Drosophila simulans* ***J. Hered.* 103**, 230-239.

Harrison, XA. Bearhop, S. Inger, R. Kendrew, C. Gudmundsson, GA. Hodgson, DJ. McElwaine, G. Tregenza, T. 2011 Heterozygosity-Fitness Correlations in a Migratory Bird: an analysis of inbreeding and single locus effects. ***Mol. Ecol.* 20**, 4786-4795.

Rodríguez-Muñoz, R. Bretman, A. Tregenza, T. 2011 Guarding males protect females from predation in a wild insect. ***Curr. Biol.* 21**, 1716-1719.

Bretman, A. Rodríguez-Muñoz, R. Walling, C.A. Slate, J. Tregenza, T. 2011 Fine-scale population structure, inbreeding risk and avoidance in a wild insect population ***Mol. Ecol.* 20**, 3045-3055.

Sharma, M.D. Tregenza, T. Hosken, D.J. 2011 Sex combs, allometry, and asymmetry in *Drosophila* ***Biol. J. Linn. Soc.* 103**, 923-934.

Pincheira-Donoso, D. Tregenza, T. 2011 Fecundity selection and the evolution of reproductive output and sex-specific body size in the *Liolaemus* lizard adaptive radiation. ***Evol. Biol.* 38**, 197-207.

Veen, T. Faulks, J. Rodríguez-Muñoz, R. Tregenza, T. 2011 Premating reproductive barriers between hybridising cricket species differing in their degree of polyandry. ***Plos ONE* 6(5)**: e19531. doi:10.1371/journal.pone.0019531.

Harrison, X.A. Tregenza, T. Inger, R. Kendrew, C. Dawson, D.A. Gudmundsson, G.A. Hodgson, D.J. Horsburgh, G.J. McElwaine, G. Bearhop, S. 2010 Cultural inheritance drives site fidelity and migratory connectivity in a long distance migrant. ***Mol. Ecol.* 19**, 5484–5496.

Lewis, Z. Champion de Crespigny, F. Sait, S. Tregenza, T. Wedell, N. 2011 *Wolbachia* infection lowers fertile sperm transfer in a moth. ***Biol. Letts.* 7**. 187-189.

- Sinclair BJ, Bretman A, Tregenza T, Tomkins JL, Hosken DJ. 2011 Metabolic rate does not decrease with starvation in *Gryllus bimaculatus* when changing fuel use is taken into account. **Physiol. Entomol** **36**, 84–89.
- Gay L, Brown E, Tregenza T, Pincheira-Donoso D, Eady PE, Vasudev R, Hunt J, Hosken DJ. 2011 The genetic architecture of sexual conflict: male harm and female resistance in *Callosobruchus maculatus*. **J. Evol. Biol.** **24**, 449–456.
- Gay, L. Eady, P. Vasudev, R. Hosken, D.J. Tregenza, T. 2010 The evolution of harm - effect of sexual conflicts and population size. **Evolution** **65**, 725–737.
- Harrison, XA. Tregenza, T. Inger, R. Kendrew, C. Dawson, DA. Gudmundsson, GA. Hodgson, DJ. Horsburgh, GJ. McElwaine, G. Bearhop, S. 2010 Cultural inheritance drives site fidelity and migratory connectivity in a long distance migrant. **Mol. Ecol.** **19**, 5484–5496.
- Arnqvist, G. Dowling, D.K. Eady, P. Gay, L. Tregenza, T. Tuda, M. Hosken, D.J. 2010 The genetic architecture of metabolic rate: environment specific epistasis between mitochondrial and nuclear genes in an insect. **Evolution** **64**, 3354–3363.
- Harrison XA, Dawson DA, Horsburgh GJ, Tregenza T, Bearhop S. 2010 Isolation, characterisation and predicted genome locations of Light-bellied Brent goose (*Branta bernicla hrota*) microsatellite loci (Anatidae, AVES). **Cons. Gen. Res.** **2**, 365–371.
- Sharma, M.D. Tregenza, T. Hosken, D.J. 2010 Female mate preferences in *Drosophila simulans*: evolution and costs. **J. Evol. Biol.** **23**, 1672-1679.
- Rodríguez-Muñoz, R. Bretman, A. Slate, J. Walling, C.A. Tregenza, T. 2010 Natural and sexual selection in a wild insect population. **Science** **328**, 1269-1272.
- Schuett, W. Tregenza, T. Dall, S.R.X. 2010 Sexual selection and animal personality. **Biol. Rev.** **85**, 217–246.
- Holwell, G.I. Winnick, C. Tregenza, T. Herberstein, M. 2010 Genital shape correlates with sperm transfer success in the praying mantis *Ciulfina klassi* (Insecta: Mantodea). **Behav. Ecol. Sociobiol.** **64**, 617–625.
- Finn, J. Tregenza, T. Norman, M.D. 2009 Defensive tool use in a coconut carrying octopus. **Curr. Biol.** R1069 - R1070.
- Brown, E.A. Gay, L. Vasudev, R. Tregenza, T. Eady, P.E. Hosken D.J. 2009 Negative phenotypic and genetic associations between copulation duration and longevity in male seed beetles. **Heredity** **103**, 340–345.
- Bursuk, R.M. Aarssen, L.W. Budden, A.E. Koricheva, J.K. Leimu, Tregenza, T. R. Lortie, C. J. 2009 To name or not to name: The effect of changing author gender on peer review. **Bioscience** **59**, 985-989.
- Pincheira-Donoso, D., Hodgson, D.J., Stipala, J. & Tregenza, T. 2009. A phylogenetic analysis of sex-specific evolution of ecological morphology in *Liolaemus* lizards. **Ecol. Res.** **24**, 1223-1231.
- Gay, L. Hosken, D.J. Vasudev, R. Tregenza, T. Eady, P. 2009. Sperm competition and maternal effects differentially influence testis and sperm size in *Callosobruchus maculatus* **J. Evol. Biol.** **22**, 1143-1150.
- Gay, L. Eady, P. Vasudev, R. Hosken, D.J. Tregenza, T. 2009. Does reproductive isolation evolve faster in larger populations via sexually antagonistic coevolution? **Biol. Lett.** **5**, 693-696.
- Bretman A. Newcombe, D. Tregenza, T. 2009 Promiscuous females avoid inbreeding by controlling sperm storage. **Mol. Ecol.** **18**, 3340-3345.

- Davies TE, Beanjara N, Tregenza T 2009 A socio-economic perspective on gear-based management in an artisanal fishery in south-west Madagascar. **Fish. Man. Ecol.** **16**, 279-289
- Aarssen, L.W. Lortie, C.J. Budden, A.E. Koricheva, J.K. Leimu, R. Tregenza, T. 2009 Does publication in top-tier journals affect reviewer behavior? **Plos ONE** **4** e6283. Doi: 10.1371/journal.pone.0006283.
- Gay, L. Eady, P. Vasudev, R. Hosken, D.J. Tregenza, T. 2009. Costly sexual harassment in a beetle **Physiol. Entomol.** **34**, 86–92.
- Green, K. Tregenza, T. 2009. The influence of male ejaculates on female mate search behaviour, oviposition and longevity in crickets **Anim. Behav.** **77**, 887-892.
- Tregenza, T. Attia, F. Bushaiba, SS. 2009. Repeatability and heritability of sperm competition outcomes in males and females of *Tribolium castaneum*. **Behav. Ecol. Sociobiol.** **63**, 817-823.
- Rodríguez-Muñoz, R. Tregenza, T. 2009. Genetic compatibility and hatching success in the sea lamprey (*Petromyzon marinus*) **Biol. Lett.** **5**, 286-288.
- Hosken, D.J. Stockley, P. Tregenza, T. Wedell, N. 2009. Monogamy and the battle of the sexes. **Ann. Rev. Entom.** **54**, 361–378.
- Leimu, R. Lortie, C.J. Aarssen, L.W. Budden, A.E. Koricheva, J.K. Tregenza, T. 2008 How big are bigwigs?: a reply to Havens **Front. Ecol. Env.** **8**, 523.
- Smallegange, I.M. Tregenza, T. 2008 Local competition between foraging relatives: growth and survival of bruchid beetle larvae. **J. Ins. Behav.** **21**, 375-386.
- Leimu, R. Lortie, C.J. Aarssen, L.W. Budden, A.E. Koricheva, J.K. Tregenza, T. 2008 Does it pay to have a "bigwig" as a co-author **Front. Ecol. Env.** **8**, 410-411.
- Bretman, A, Dawson, D.A. Horsburgh, G.J. Tregenza, T. 2008 New microsatellite loci isolated from the field cricket *Gryllus bimaculatus* characterized in two cricket species, *Gryllus bimaculatus* and *Gryllus campestris*. **Mol. Ecol. Notes.** **3**, 191-195.
- Grod, O.N. Budden, A.E. Tregenza, T. Koricheva, J.K. Leimu, R. Aarssen, L.W. Lortie, C. J. 2008 Systematic variation in reviewer practice according to country and gender in the field of ecology and evolution. **Plos ONE** **3**, e3202 doi:10.1371/journal.pone.0003202.
- Wright, L.I. Tregenza, T. Hosken, D.J. 2008. Inbreeding, inbreeding depression and extinction. **Cons. Gen.** **9**, 833-843.
- Aarssen, L.W. Tregenza, T. Budden, A.E. Lortie, C.J. Koricheva, J. Leimu, R. 2008. Bang for your buck: rejection rates and impact factors in ecological journals. **Open Ecol.** **1**, 14-19.
- Wedell, N. Tregenza, T. Simmons, L.W. 2008 Nuptial gifts fail to resolve a sexual conflict in an insect. **BMC Evol. Biol.** **8**, 204.
- Budden, A.E. Tregenza, T, Aarssen, L.W. Koricheva, J.K. Leimu, R. Lortie, C. J. 2008 Double-blind review: Accept with minor revisions. **Trends in Ecol. Evol.** **23**, 353-354.
- Edvardsson, M. Rodríguez-Muñoz, R. Tregenza, T. 2008 No evidence that female *Callosobruchus maculatus* use remating to reduce costs of inbreeding. **Anim. Behav.** **75**, 1519-1524.
- Rodríguez-Muñoz, R. Ojanguren, A.F. Tregenza, T. 2008 Comment on "International Conservation Policy Delivers Benefits for Birds in Europe". **Science** **319**. 1042b.

- Pincheira-Donoso, D. Hodgson D. J. Tregenza, T. 2008 The evolution of body size under environmental gradients in ectotherms: why should Bergmann's rule apply to lizards? **BMC Evol. Biol.** 8, 68.
- Pincheira-Donoso, D. Hodgson D. J. Tregenza, T. 2008 Comparative evidence for strong phylogenetic inertia in precloacal signalling glands in a species-rich lizard clade **Evol. Ecol. Res.** 10, 11-28.
- Budden, A.E. Tregenza, T. Aarssen, W. Koricheva, J.K. Leimu, R. Lortie, C. J. 2008 Double-blind review favours increased representation of female authors. **Trends in Ecol. Evol.** 23, 4-6.
- Rodríguez-Muñoz, R. Bretman, A. Hadfield, J.D. Tregenza, T. 2008 Sexual selection in the cricket *Gryllus bimaculatus*: No good genes? **Genetica** 132, 287-294.
- Cornell, S. Tregenza, T. 2007 A new theory for the evolution of polyandry as a means of inbreeding avoidance. **Proc. Roy. Soc. B** 274, 2873-2879.
- Pincheira-Donoso, D. Tregenza, T. Hodgson D. J. 2007 Body size evolution in South American *Liolaemus* lizards of the *boulengeri* clade: A contrasting reassessment. **J. Evol. Biol.** 20, 2067-2071.
- Lortie, C.J. Aarssen, L.W. Budden, A.E. Koricheva, J.K. Leimu, R. Tregenza, T. 2007. Publication bias and merit in ecology **Oikos** 116, 1247-1253.
- Rodríguez-Muñoz, R. Mirol, P.M. Segelbacher, G. Fernández, A. Tregenza, T. 2007 Genetic differentiation of an endangered capercaillie (*Tetrao urogallus*) population at the Southern edge of the species range **Cons. Gen.** 8, 659-670.
- Norman, M. & Tregenza, T. 2007 Mimicry as deceptive resemblance: beyond the one-trick ponies. 441-453 In: *Imitation and Social Learning in Robots, Humans and Animals: Behavioural, Social and Communicative Dimensions*. Edited by K. Dautenhahn and C.L. Nehaniv, Cambridge University Press. Cambridge.
- Simmons, L.W. Wedell, N. Beveridge, M. Tregenza, T. 2006 Post-copulatory inbreeding avoidance by female crickets only revealed by molecular markers. **Mol. Ecol.** 15, 3817-3824.
- Bretman A. Rodríguez-Muñoz, R. Tregenza, T. 2006 Male dominance determines female egg laying rate in crickets. **Biol. Lett.** 2, 409-411.
- Tregenza, T. Simmons, L.W. Wedell, N. Zuk, M. 2006 Female preference for male courtship song and its role as a signal of immune function and condition. **Anim. Behav.** 72, 809-118.
- Wedell, N. Kvarnemo, L. Lessells, C.M. Tregenza, T. 2006 Sexual conflict and life histories. **Anim. Behav.** 71. 999-1011.
- Tregenza, T. Wedell, N. Chapman, T.C. 2006 Sexual conflict - a new paradigm? **Phil. Trans. Roy. Soc. B** 361. 229-234.
- Butlin, R. K. & Tregenza, T. 2005 The way the world might be. **J. Evol. Biol.** 18. 1205-1208.
- Bretman A. & Tregenza, T. 2005 Measuring polyandry in wild populations: a case study using promiscuous crickets. **Mol. Ecol.** 14. 2169-2179.
- Edvardsson, M. & Tregenza, T. 2005 Why do male *Callosobruchus maculatus* harm their mates? **Behav. Ecol.** 16. 788-793.
- Attia, F.A. & Tregenza, T. 2004 Divergence revealed by population crosses in the red flour beetle *Tribolium castaneum*. **Evol. Ecol. Res.** 6. 927-935.

- Tomkins, J.L. Radwan, J. Kotiaho, J.S. Tregenza, T. 2004 Genic capture and resolving the lek paradox. *Trends in Ecol. Evol.* **19**. 323-328.
- Bretman A. Wedell, N. Tregenza, T. 2004 Molecular evidence of post-copulatory inbreeding avoidance in the field cricket *Gryllus bimaculatus*. *Proc. Roy. Soc. B* **271**. 159-164.
- Hosken, D.J. Garner, T.W.J. Tregenza, T. Wedell, N., Ward, P.I. 2003 Superior sperm competitors sire higher quality young *Proc. Roy. Soc. B* **270**. 1933-1938.
- Tregenza, T., Wedell, N. Hosken, D.J., Ward, P.I. 2003 Maternal effects on offspring depend on female mating pattern and offspring environment in yellow dung flies. *Evolution* **57**. 297-304.
- Dawson, D.A. Bretman A.J. Tregenza, T. 2003 Microsatellite loci for the field cricket, *Gryllus bimaculatus* and their cross-utility in other species of Orthoptera. *Mol. Ecol. Notes* **3**. 191-195.
- Buckley, S.H. Tregenza, T. Butlin, R.K. 2003 Transitions in cuticular composition across a hybrid zone – historical accident or environmental adaptation? *Biol. J. Linn. Soc.* **78**. 193-201.
- Tregenza, T. Pritchard, V.L. Butlin, R.K. 2002 The origins of postmating reproductive isolation: testing hypotheses in the grasshopper *Chorthippus parallelus*. *Pop. Ecol.* **44**. 137-144.
- Ward, P.I. Wedell, N. Hosken, D.J. Tregenza, T. 2002 Measuring the sperm competition successes of field males. *Ecol. Ent.* **27**. 763-765.
- Norman, M.D. Finn, J. Paul, D. Tregenza, T. 2002 Extreme sexual size dimorphism. *N. Z. J. Fresh. Mar. Biol.* **36**. 733-736.
- Tregenza, T. 2002 Divergence and reproductive isolation in the early stages of speciation. *Genetica* **116**. 291-300.
- Fraser, A.M. Tregenza, T. Wedell, N. Elgar, M.A. Pierce, N.E. 2002 Oviposition preference and geographic specialization by the myrmecophilous butterfly *Jalmenus evagoras* (Lepidoptera: Lycaenidae) in response to attendant ants. *J. Evol. Biol.* **15**. 861-870.
- Tregenza, T. 2002 Gender bias in the refereeing process? *Trends in Ecol. Evol.* **17**. 349-350.
- Tregenza, T. & Wedell, N. 2002 Polyandrous females avoid costs of inbreeding. *Nature* **415**. 71-73.
- Norman, M.D. Finn, J. Tregenza, T. 2001 Dynamic mimicry in an Indo-Malayan octopus. *Proc. Roy. Soc. B* **268**. 1755-1758.
- Panhuis, T.M. Butlin, R.K. Zuk, M. Tregenza, T. 2001 Sexual selection and speciation *Trends in Ecol. Evol.* **16**. 364-371.
- Tregenza, T. Pritchard, V.L. Butlin, R.K. 2000 The origins of premating reproductive isolation: testing hypotheses in the grasshopper *Chorthippus parallelus*. *Evolution* **54**. 1687-1698.
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- Tregenza, T. Pritchard, V.L. Butlin, R.K. 2000 Patterns of trait divergence between populations of the Meadow Grasshopper, *Chorthippus parallelus*. *Evolution* **54**. 574-585.
- Tregenza, T. Buckley, S.H. Pritchard, V.L. Butlin, R.K. 2000 Inter- and intrapopulation effects of sex and age on epicuticular composition of meadow grasshopper, *Chorthippus parallelus*. *J. Chem. Ecol.* **26**. 257-278.
- Tregenza, T. 2000 Evolutionarily dynamic sperm. *Trends in Ecol. Evol.* **15**. 85-86.
- Norman, M.D. Finn, J. Tregenza, T. 1999 Female impersonation as an alternative reproductive strategy in giant cuttlefish. *Proc. Roy. Soc. B* **266**. 1347-1349.
- Wedell, N. & Tregenza, T. 1999 Successful fathers sire successful sons. *Evolution* **53**. 620-625.
- Tregenza, T. & Wedell, N. 1998 Benefits of multiple mates in the cricket *Gryllus bimaculatus*. *Evolution* **52**. 1726-1730.
- Butlin, R.K. & Tregenza, T. 1998 Levels of genetic polymorphism: marker loci versus quantitative traits. *Phil. Trans. Roy. Soc. B* **353**. 187-198.
- Tregenza, T. & Thompson, D.J. 1998 Unequal competitor ideal free distribution in fish? *Evol. Ecol.* **12**. 655-666.
- Tregenza, T. & Bridle, J.R. 1997 The diversity of speciation. *Trends in Ecol. Evol.* **12**. 382-383.
- Tregenza, T. & Wedell, N. 1997 Definitive evidence for cuticular pheromones in a cricket. *Anim. Behav.* **54**. 979-984.
- Tregenza, T. 1997 Alphabetical orders. *Nature* **388**. 511.
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Personal appearances on:

[CBC radio 'Quirks and Quarks' 22/10/2011](#)

[Discovery Channel programme 'Daily Planet' 18/12/09](#)

CNN programme 'Connect the World' 17/12/09

Radio 4 Science feature programme: 'Swinging for Survival' 23/4/07

Radio 4 Science magazine programme: 'Leading Edge' 19/5/05

Work featured on (among numerous others):

[BBC website – 2.5 million hits in 1 week 16/12/09](#)

[>5000 articles on Current Biology paper 10/11](#)

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Reprints available from my website: <http://www.selfishgene.org/Tom/>

Potential REF Publications

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