

Curriculum Vitae

Name Erik Postma
Date, place of birth July 11 1977, Amsterdam, The Netherlands
Nationality Dutch
Current work address Zoological Museum
University of Zürich
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Website www.erikpostma.net
Languages Dutch (mother tongue)
English (fluent)
German and Swiss German (good)
French (basic knowledge)

Academic positions

June 2008 - present Postdoctoral researcher at the Zoological Museum, University of Zürich (UZH)
Jun 2006 – May 2008 Vice-Chancellor’s Postdoctoral Research Fellow at the University of New South Wales (UNSW)
Jan – Jun 2006 Postdoctoral fellow at the University of New South Wales, funded by the Netherlands Organisation for Scientific Research (NWO)

Research grants obtained

2008 Zoological Museum Internal Grant
“Scent of a vole: Gas chromatographic pheromone characterisation in a wild snow vole population” (CHF 11.000)
2007 Australian Research Council (ARC) Discovery Grant
“The genetic basis of differentiation: Towards a predictive understanding of evolution in the wild” (CHF 181.000)
2006 UNSW Early Career Researcher Travel grant (CHF 2.100)
University of New South Wales Vice-Chancellor’s Postdoctoral Research Fellowship for three years (CHF 189.000)
2005 Netherlands Organisation for Scientific Research (NWO) “Talent” Postdoctoral Fellowship (CHF 36.000)
2002 Marie-Curie Training Fellowship (CHF 12.000)

Prizes

- May 2007 ARC Early-Career Researcher Award, Australian Academy of Science
Jan 2005 Best talk, EGI Conference, Oxford, United Kingdom

Education

- July 2009 Gran Paradiso Summer School in Ecological Statistics: Bayesian Data Analysis for Ecologists, Cogne, Italy
- August 2008 Summer Institute in Statistical Genetics, University of Washington
Modules: Analysis of Genetic Data on Related Individuals; Human Association Mapping; Plant and Animal Association Mapping
- May 2001 – Nov 2005 Ph.D. (*cum laude*) at the Netherlands Institute of Ecology (NIOO-KNAW) under supervision of Prof. Dr. A.J. van Noordwijk (Utrecht University / NIOO-KNAW)
- Title of thesis “Evolutionary genetics of life-history traits in a structured environment. Understanding variation in clutch size and laying date in great tits (*Parus major*)”
- Graduate courses “Life History Theory”, Schiermonnikoog, The Netherlands
“Population Genetics”, Midlaren, The Netherlands
Animal Welfare Course (required for performing animal experiments)
- Oct – Dec 2002 Marie-Curie training fellowship at the University of Edinburgh, UK
“Mixed model analyses of the evolutionary genetics of wild populations” under supervision of Dr. L.E.B. Kruuk.
- Feb 1999 – Nov 2000 Master of Science at Wageningen University (WU), The Netherlands
- Research projects “Geographic variation in anti-predation behaviour: Testing for local adaptation in two highly dispersed bivalves” at the Netherlands Institute for Sea Research (NIOZ) under supervision of Dr. P. Edelaar
- “The genetic and evolutionary background of endangered populations and species” at Arizona State University, USA, under supervision of Prof. Dr. P.W. Hedrick (ASU) and Prof. Dr. R.F. Hoekstra (WU)
- “Microsatellite variation in Dutch roe deer (*Capreolus capreolus*) populations” at Wageningen University under supervision of Dr. S.E. van Wieren and Dr. W.F. van Hooft
- Sep 1995 – Jan 1999 Bachelor of Science at Wageningen University, The Netherlands
Specialisation: Population biology

Teaching

(Co-)supervision of undergraduate and graduate students (UZH, UNSW and NIOO-KNAW)

3rd year Evolution Course (UZH)

Special interest graduate course on The Relationship between Evolutionary Biology and Society (UNSW)

Several lectures within 3rd year Animal Behaviour course (UNSW)

Conferences and workshops attended (last 5 years)

- 2009 12th Congress of the European Society for Evolutionary Biology, Turin, Italy (*talk*)
Wild Animal Models Meeting, Valsavarenche, Italy (*talk*)
Workshop Evolutionary Genetics: The impact of next generation sequencing, Lutherstadt Wittenberg, Germany
Biology09, Bern, Switzerland (*talk*)
- 2008 Workshop Evolution of parental effects: conceptual issues and empirical patterns, University of Wollongong, Australia (*talk*)
- 2007 11th Congress of the European Society for Evolutionary Biology, Uppsala, Sweden
Wild Animal Models Meeting, Gotland, Sweden (*talk*)
Evolution 2007, Christchurch, New Zealand (*talk*)
5th Meeting of the Australasian Evolution Society, Sydney, Australia (*talk*)
Science at the Shine Dome, Canberra, Australia (*sponsored by Australian Research Council*)
International Summit on Evolution in Human-Altered Environments, Los Angeles CA, USA (*poster*)
Gordon Research Conference on Quantitative Genetics and Genomics, Ventura CA, USA (*poster*)
- 2006 24th International Ornithological Congress, Hamburg, Germany (*talk*)
11th International Behavioural Ecology Congress, Tours, France (*talk*)
- 2005 10th Congress European Society for Evolutionary Biology, Kraków, Poland (*talk*)
EGI Conference, Oxford, United Kingdom (*talk*)
- ## Organised workshops, conferences and symposia
- 2006 Symposium "What 'animal models' can and cannot tell ornithologists about the genetics of wild populations", 24th

	International Ornithological Congress, Hamburg, Germany
2004	International Hole Breeding Passerines Conference, Vlieland, The Netherlands
	Invited talks (last five years)
December 2009	Swiss Ornithological Institute, Sempach, Switzerland
November 2009	University of Uppsala, Sweden
August 2009	Invited speaker in symposium on “Inbreeding depression: from gene expression to population viability” at 11th Congress of the European Society for Evolutionary Biology, Turin, Italy
March 2009	University of Bern, Switzerland University of Fribourg, Switzerland
Jan 2009	Lund University, Sweden
Aug 2007	University of Helsinki, Finland
Jan 2007	Southern Utah University, Cedar City UT, USA
May 2006	Australian National University, Canberra, Australia
Jan 2006	Honorary Ph.D. Lecture, Functional Ecology Graduate School Meeting, Lunteren, The Netherlands (<i>declined as I was already in Australia</i>)
	Refereeing
Journals	Acta Oecologica, American Naturalist, Ardea, Behavioral Ecology, Behaviour, Biology Letters, Canadian Journal of Zoology, Conservation Biology, Ecology, Evolution, Evolutionary Ecology, Functional Ecology, Genetics Research, Global Change Biology, Heredity, Ibis, Journal of Animal Ecology, Journal of Evolutionary Biology, Molecular Ecology, Nature Reviews Genetics, Oecologia, PLoS Biology, PLoS ONE, Proceedings of the Royal Society B
	Software
Operating systems	Windows XP, OS X, Linux OpenSUSE
Statistical packages	SAS, R, ASReml, VCE, PEST, WOMBAT, numerous population genetics and sequence analysis packages (e.g. FSTAT, Arlequin, Staden)
Other	MS Office, OpenOffice, Endnote, SigmaPlot, CorelDraw, GeneMapper, programming in Python

Publications (peer-reviewed)

A.J. Wilson, D. Réale, M.N. Clements, M.M. Morrissey, **E. Postma**, C.A. Walling, L.E.B. Kruuk and D.H. Nussey, In press

An ecologists' guide to the animal model
Journal of Animal Ecology

E. Postma, R.J. den Tex, A.J. van Noordwijk and A.C. Mateman, 2009

Neutral markers mirror small scale quantitative genetic differentiation in an avian island population
Biological Journal of the Linnean Society 97: 867-875

E. Postma and P. Gienapp, 2009

Origin-related differences in plumage coloration within an island population of great tits (*Parus major*)
Canadian Journal of Zoology 87: 1-7

B. Tschirren, A.N. Rutstein, **E. Postma**, M. Mariette and S.C. Griffith, 2009

Short- and long-term consequences of early developmental conditions: a case study on wild and domesticated zebra finches
Journal of Evolutionary Biology 22: 387-395

E. Postma, 2007

Inflated impact factors? The true impact of evolutionary papers in non-evolutionary journals
PLoS ONE 2: e999

E. Postma and A. Charmantier, 2007

What 'animal models' can and cannot tell ornithologists about the genetics of wild populations
Journal of Ornithology 148 (Suppl 2): S633-S642

E. Postma, J. Visser and A.J. van Noordwijk, 2007

Strong artificial selection in the wild results in predicted small evolutionary change
Journal of Evolutionary Biology 20: 1823-1832

E. Postma, S.C. Griffith and R.C. Brooks, 2006

Brief Communication Arising: The Evolution of Mate Choice in the Wild
Nature 444: E16

P. Gienapp, **E. Postma**, M.E. Visser, 2006

Why breeding time has not responded to selection for earlier breeding in a songbird population.
Evolution 60: 2381-2388

E. Postma, 2006

Implications of the difference between true and predicted breeding values for the study of natural selection and micro-evolution.
Journal of Evolutionary Biology 19: 309-320

E. Postma and A.J. van Noordwijk, 2005

Gene flow maintains a large genetic difference in clutch size at a small spatial scale.
Nature 433: 65-68

D.H. Nussey, **E. Postma**, P. Gienapp and M.E. Visser, 2005

Selection on heritable phenotypic plasticity in a wild bird population.
Science 310: 304-306

E. Postma and A.J. van Noordwijk, 2005

Genetic variation for clutch size in wild populations of birds from a reaction norm perspective.
Ecology 86: 2344-2357

P. Edelaar, **E. Postma**, P. Knops and R. Phillips, 2005

No support for a genetic basis for mandible crossing direction in crossbills (*Loxia* spp.).
The Auk 122: 1123-1129

P. Edelaar, T. Piersma and **E. Postma**, 2005

Retained non-adaptive plasticity: Gene flow or small inherent costs of plasticity.
Evolutionary Ecology Research 7: 489-495

E. Postma, W.F. van Hooft, S.E. van Wieren and L. van Breukelen, 2001

Microsatellite variation in Dutch roe deer (*Capreolus capreolus*) populations.
Netherlands Journal of Zoology 51: 85-95

Book chapters

E. Postma, In press

Using animal model methodology to infer and predict the evolutionary consequences of climate change. In: A.P. Møller, W. Fiedler and P. Berthold (Eds.), *Effects of Climate Change on Birds*. Oxford University Press

R.C. Brooks and **E. Postma**, In press

Genetics of Male Guppy Colour Patterns. In: J. P. Evans, A. Pilastro, and I. Schlupp (Eds.), *Ecology and Evolution of Poeciliid Fishes*. Chicago, University of Chicago Press

Publications (not peer-reviewed)

E. Postma, 2007

Review of “State-dependent life-history strategies: A long-term study on Oystercatchers” by Martijn van de Pol
Ardea 95: 169-171

E. Postma, L.E.B. Kruuk, J. Merilä, A.J. van Noordwijk and B.C. Sheldon, 2003

Old wine in a new but defective bottle. Comment on Quantitative genetic analysis of natural populations by A.J. Moore & P. F. Kulk.
Nature Reviews Genetics