

Jo Smith

ADDRESS

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CONTACT DETAILS

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SUMMARY OF SKILLS

- Successfully managed six large research projects.
 - Expertise in manipulating and analysing complex long-term data sets on >4000 individuals.
 - Presented findings in peer-reviewed publications and oral presentations.
 - Available immediately for roles in South East of England and London.
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WORK EXPERIENCE

Freelance Editor

Cactus Communications

Present

Edit manuscripts before they are submitted to peer-reviewed scientific journals. In this role I:

- Edit manuscripts to produce a final text that is in clear standard scientific English; and
- Address client concerns or queries by providing constructive feedback and dialogue.

Research Assistant

University of Edinburgh, UK

May 2015 - September 2015

Assisted in field work and analysis of a blue tit population in Edinburgh. During this role I was:

- Working both in a team and independently, prioritising genetic analyses.

Postdoctoral Research Associate

University of Helsinki, Finland

June 2014 - May 2015

Collected and analysed novel data in conjunction with a pre-existing long-term database. During this role I was responsible for:

- Researching, proposing, writing and submitting three grant applications, and writing a final research report;
- Using R to carry out mixed effects-, generalised linear- and survival models;
- Liaising with staff, peers and senior researchers and managing field assistants; and
- Presenting my research at regular internal meetings and international conferences.

PhD: The Social Effects of Inbreeding Associated with Parental Care

University of Edinburgh, UK

September 2010 - May 2014

Designed and managed five large-scale projects to provide an evolutionary understanding of two separate fields. During this role I was responsible for:

- Using novel designs coupled with a series of complex mixed effects statistical models;
- Using initiative to start collaboration with the University of Leiden; and
- Presenting findings at international meetings, and publishing in peer-reviewed journals.

Science Communicator

University of Edinburgh, UK

September 2010 - May 2014

Presented a range of scientific topics to a non-expert audience as a:

- Researcher, writer, interviewer and editor for School of Biological Sciences Podcast; and
- Demonstrator for the Edinburgh 2014 Science Festival and 'Pathways into Science' scheme.

Demonstrator and Facilitator

University of Edinburgh, UK

January 2011 - May 2014

- Demonstrated and explained complex scientific theory and techniques for five different undergraduate courses.
- Marked student assignments and provided consistent and fair written and verbal feedback.
- Demonstrated analysis and interpretation of data to perform statistical analysis.

SKILLS

Statistics

- Broad experience in mixed effects models, generalised linear models and survival analyses.
- Highly experienced in managing and analysing large data sets on >4000 individuals.
- Attended Imperial College London MSc course 'Generalised Linear Modelling' in R.
- Extensive experience in basic statistical tests including ANOVA, regression and correlation.

Computing

- Highly proficient user of Microsoft Office and LaTeX.
- Excellent bibliographic skills including use of literature search tools.
- Statistical packages R, SPSS & SigmaPlot.
- Reference management software Zotero, BibTex, EndNote, Mendeley.

EDUCATION

PhD: The Social Effects of Inbreeding Associated with Parental Care

University of Edinburgh, UK

September 2010 - May 2014

Identified research problems and developed a timeline in order to manage multiple projects simultaneously. Used results from analyses and surveys of the wider literature to draw conclusions about my field of research.

MSc Biodiversity and Conservation with Merit

University of Leeds, UK

September 2009 - September 2010

Courses included Research and Literature Projects, Advanced Statistics and Population Dynamics

BSc Biology (Hons) 2:1

University of Leeds, UK

September 2005 - July 2008

Courses included Research Project, Experimental Design & Analysis and Advanced Ecology

Kesteven and Grantham Girls' School, Grantham, UK

A Levels: Biology (B); Chemistry (D); Physics (D); **AS Level:** Mathematics (D) 2005

GCSE: 9 x A-C grades including English, Maths & Double Award Science 2003

ADMINISTRATIVE AND COLLECTIVE DUTIES

Reviewer: Peer review for the journal *Ethology* (2016).

Co-founder & member of 'Artio' organisational team: Co-founder of the team that ran events to support female PhD students. Co-organised four departmental events aimed at addressing issues related to female PhD students leaving academia (2013-2014).

PhD student representative: Member of Graduate School Staff Student Committee for the Institute of Evolutionary Biology, University of Edinburgh (2012-2013).

PUBLICATIONS

J. Smith and P. T. Smiseth. No inbreeding avoidance by female burying beetles regardless of whether they encounter males simultaneously or sequentially *Ethology*. 121:1-8, 2015.

J. Smith and P. T. Smiseth. Complex effects of inbreeding on biparental cooperation. *The American Naturalist*, 185(1):1-12, 2015.

P. T. Smiseth, C. Andrews, **J. Smith**, and R. Mooney. Phenotypic variation in resource acquisition influences trade-off between number and mass of offspring in a burying beetle. *Journal of Zoology*, 293:80-83, 2014.

J. Smith, L. Strutt, and P. T. Smiseth. Intergenerational effects of inbreeding in *Nicrophorus vespilloides*: offspring suffer fitness costs when either they or their parents are inbred. *Journal of Evolutionary Biology*, 26(4):843-853, 2013.