Research Fellow

University of Edinburgh, Edinburgh, Scotland

£32,548- £38,833

Research fellow in computational statistics for livestock health and production

We are looking for a bright and enthusiastic researcher with experience in statistical inference and computational modelling to join the group led by Dr Andrea Doeschl-Wilson at the Genetics and Genomics Division of The Roslin Institute and Royal (Dick) School of Veterinary Studies, University of Edinburgh. Your main role will be to develop and apply statistical inference methods and experimental designs to determine the role of host genetics and non-genetic factors on the spread and impact of infectious disease in livestock. You will also have the opportunity to contribute to other research projects carried out within the Wilson group and The Roslin Institute and assist with teaching.

You should have a PhD, or near completion of a PhD, in a discipline with a substantial quantitative component (e.g. mathematics, statistics, quantitative genetics, theoretical biology or physics), together with evidence of expertise in computational modelling and statistical inference.

Essential requirements:

- Excellent programming skills and experience in writing computational code for analysing or modelling disease or other dynamic processes.
- Experience in Bayesian statistics, Markov Chain Monte Carlo and other statistical inference techniques.
- Experience or a strong interest in quantitative genetics and genomics.
- A track record of research outputs, publications in peer reviewed scientific journals and presentations at scientific conferences.
- Strong written and verbal communication skills.

The ideal candidate for this post will further have:

- Experience in analysis and modelling of genomic or epidemiological data.
- An understanding of plant or livestock production and breeding
- A strong interest in multi-disciplinary research and in acquiring new skills.
- Experience in collaboration with scientists from other disciplines.
This post is available immediately from a mutually agreed start date until 31st December 2019, with potential for extension.

Interviews are expected to take place, week commencing 7th May, 2018

Informal enquiries are encouraged and may be addressed to Dr Andrea Doeschl-Wilson (andrea.wilson@roslin.ed.ac.uk or phone +44 131 6519224), in confidence to discuss the post.

Ref: 043277

Closing Date: 27 April 2018

For further particulars and to submit an application visit our website www.vacancies.ed.ac.uk

https://www.statsjobs.com/job/research-fellow-2/