Post-Doc in Human Genetics at The Roslin Institute

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http://www.biometricsociety.net/2014/11/19/post-doc-in-human-genetics-at-the-roslin-institute/

Research Fellow

Salary Range: £31,342 - £37,394

The Roslin Institute is a world-class centre for the quantitative genetics of populations. We have a vacancy for a post-doctoral researcher in computational genomics to work alongside Dr J. Hickey. The post-holder will work with Dr Hickey and collaborators to develop methods for phasing large human data sets.

The developed methods will combine heuristic methods such as long-range phasing and probabilistic methods such as Hidden Markov Models and will need to scale to data sets with sequence level information on millions of individuals and needs to be able to handle highly heterogeneous input data (no pedigree information, pedigrees of different depth, population structures of different type, and a wide variety of genomic data (e.g. SNP, GBS, low-coverage and high-coverage sequence).

The successful applicant will have a PhD in Human Genetics, Quantitative Genetics, Computer Science, Statistics, Biology, Mathematics or some related area. Computer programming will form a significant component of the research and so she/he will be expected to have relevant experience or be willing to learn.

The post is for 3 years funded by a Medical Research Council project. The post-holder will join a computational genetics research group within the Division of Genetics and Genomics at the Institute. This research group currently comprises four post-doctoral researchers working on both methodological developments and application in human, livestock and plant genetics contexts. The Division of Genetics and Genomics comprises 18 group leaders, both desk based and lab based scientists. The department benefits from synergies arising from academic backgrounds including DNA-chemistry, statistics, mathematics and theoretical physics in addition to genetics.

Please use this link to apply:

http://www.roslin.ed.ac.uk/vacancies/031921/research-fellow/

Closing Date: 17 Dec 2014

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