



European Research Council
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UCD School of
Mathematics and Statistics

University College Dublin
Belfield, Dublin 4, Ireland

T +353 1 716 2452 / 2580 / 2560
F +353 1 716 1172

Scoil na
Matamaitice agus na Staitisticí UCD

An Coláiste Ollscoile, Baile Átha Cliath
Belfield, Baile Átha Cliath 4, Éire

mathsandstats@maths.ucd.ie
www.ucd.ie/mathstat/

PhD in Statistics: opportunity at University College Dublin.

Statistical methods for integration of dietary and biomarker data.

Applications are invited for a PhD in Statistics studentship in the School of Mathematics and Statistics, University College Dublin, Ireland. The successful applicant will work on a project entitled '***Statistical methods for integration of dietary and biomarker data***'. The project involves collaboration between Prof. Lorraine Brennan, UCD Institute of Food and Health and Dr. Claire Gormley, UCD School of Mathematics and Statistics. The position is funded through Prof. Brennan's prestigious European Research Council award.

The research programme will focus on the development of statistical approaches to the integration of self-reported dietary intake data and metabolomic biomarker data, with the ultimate goal of improving assessment of dietary intake. Freely available software tools will be developed to facilitate use of the developed methodologies by the wider scientific community.

Applicants should have experience and/or interest in multivariate analysis, longitudinal data modelling, categorical data analysis, clustering and classification methods and the Bayesian paradigm. Interest in computational statistics and statistical programming will also be of benefit. Applicants should have a numerate undergraduate degree, and an MSc in Statistics is highly desirable.

University College Dublin is Ireland's premier research university and the research active Statistics group is the highest ranked in Ireland. As UCD is a member institution, the successful applicant will be eligible to attend the beneficial APTS (www.pts.ac.uk) statistics courses during their first year. University College Dublin is a campus-based university with excellent facilities, only a few kilometres from Dublin city centre.

The starting date is September 1st 2016. The fellowship covers PhD fees and attracts a stipend averaging €18,000 per annum for four years. An application consisting of a **cover letter**, **curriculum vitae** (including the names and contact details of **three referees**) and **scanned copies of relevant academic transcripts** should be sent to Dr. Gormley (Claire.Gormley@ucd.ie) **AND** Prof. Brennan (Lorraine.Brennan@ucd.ie) by **March 30th 2016**. Late applications will not be considered.