

Project Title: The association of pregnancy indicators with long term childhood and maternal outcomes

Project Supervisors (with email address) *

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Application Deadline*: **31st of August**

Name of administrator for your Institute/School who should receive completed applications:* Mrs Maureen McNee (Maureen.McNee@glasgow.ac.uk)

School of Medicine, Dentistry & Nursing

Stipend details: Full funding is available covering a stipend (currently £14,057 pa).

For UK and EEA applicants (until University policies for EEA students change), university fees will be covered too.

Eligibility (UK/EU/INT'L/ALL)* ALL

Evidence of Proficiency in English is required.

Project Start Date: 1st of October 2017

Project Description

This is an exciting opportunity for a fully funded PhD project in the field of reproductive epidemiology. This project will built upon our previous work that we've shown that fetuses and infants at the extremes of birthweight have a higher risk of adverse perinatal outcomes. The project will use data-linkage of all-Scotland population routine administrative datasets including maternity and perinatal datasets, education, and social as well as other health datasets. Epidemiological analyses will assess how being born small or large is associated with childhood morbidity, development and educational attainment. In addition, the project will be looking at the impact of giving birth to a small or large baby on maternal long term health. The successful applicant will be expected to use advanced statistical methodology including multivariate regression, causal inference methods and mendelian randomisation. The successful candidate will have a good first degree and/or MSc/MPH with a strong statistical component including experience in statistical programming. We would expect that the bulk of the work would be carried out using Stata or R within the National Safe Haven. The supervisors have a long track record of high impact publications in reproductive epidemiology and will support the successful applicant to achieve impactful outputs along with the completion of the thesis. We will provide high-quality training to the student in subject-specific topics and transferrable research skills such as; quantitative research skills, design/ analysis/ interpretation of data, verbal and written communication skills, research

ethics and governance, good research practice including data management and integrity, and systematic reviews. The successful applicant will join a vibrant and motivated research team with substantial expertise in public health, statistics, epidemiology and evidence synthesis. The student will be hosted in the department of Obstetrics and Gynaecology at the University of Glasgow and will work closely with our collaborators from the Institute of the Wellbeing and Women at the University of Glasgow, the MRC Integrative Epidemiology Unit at the University of Bristol and the Department of Obstetrics and Gynaecology at the University of Cambridge.

Funding notes /additional requests/ things to note

The ideal candidate will have a first or upper second class degree or equivalent in maths, statistics, bioinformatics, public health or epidemiology. A Masters degree in a related subject is desirable. Experience in advanced statistical methods and statistical programming (preferably STATA or R) is desirable.

Candidates are requested to submit a CV, a personal statement and a two A4 page research proposal with their application. Potential candidates should contact **Dr Stamatina Iliodromiti** (stamatina.iliodromiti@glasgow.ac.uk) to discuss their proposal prior to submission.