

* Reminder - approaching deadline *

Please see below information regarding 2 new PhD studentships opportunities at Department of Biostatistics, University of Liverpool.

Closing date: 31 March 2017

Location: University of Liverpool

Funding: Successful candidate will be provided with state-of-the-art resources for computing, and support for research, training courses and conferences, as well as tuition fees (at Home/EU rate) and a monthly stipend for 3 years.

The goal of these studentships is to train the student to contribute to and lead research in development of statistical methods in order to solve questions arising in medicine, health or genetics. The students will have a supervisor and mentor in biostatistics while also having co-supervisors from collaborating areas (medicine, genetics or health).

Web link to adverts: <https://www.liverpool.ac.uk/translational-medicine/departmentsandgroups/biostatistics/phd-studentships/>
Links to the project adverts at FindAPhD are provided below.

To apply: Applicants should send a CV, academic transcripts, a letter of motivation indicating why the student's interests and qualifications are a good fit for the studentships, and two names of referees who can send letters of recommendation to Nyree Collinson <nyreecol@liverpool.ac.uk>. Evidence of quantitative skills, such as quantitative GRE scores or evidence of having taken quantitative courses, is also welcome. **Alternatively**, the applicants can apply via the FindAPhD links below.

Eligibility: Applicants may come from any background, but they should have well-developed interests in quantitative problem-solving. All projects require some knowledge of computer programming (the required level depends on the project), mathematical or statistical training. Applicants are encouraged to contact the project leaders for further information about the project and to discuss essential requirements. Overseas students also welcome to apply, they should be proficient in English.

Two studentships are available. First studentship is offered in any of the **5 projects** listed below. Applicants should mention their preferred project(s) in the letter of motivation, and may want to contact these supervisors ahead of time. **Second studentship** is offered in one specific project, showed below, and the applicants are also encouraged to contact the supervisor about details of the project.

Informal enquiries are welcome and should be made to the supervisors (see contact details below)

1st funded PhD studentship is offered in five projects:

Project 1. Title: Complex treatment by covariate interactions in network meta-analysis.

Supervisors: Dr Sarah Donegan (Department of Biostatistics, University of Liverpool). Prof Catrin Tudur Smith (Department of Biostatistics, University of Liverpool).

Contact: Dr Sara Donegan donegan@liverpool.ac.uk

Project description: <https://www.findaphd.com/search/ProjectDetails.aspx?PJID=84210&LID=4115>

Project 2. Project title: Identifying Copy Number Variants using Whole Exome Sequencing

Data. Supervisors: Dr. Anna Auer-Fowler (Department of Biostatistics), Prof Andrew Morris (Department of Biostatistics)

Contact: Dr Ana Auer-Fowler fowlera@liverpool.ac.uk

Project description: <https://www.findaphd.com/search/ProjectDetails.aspx?PJID=84208&LID=4115>

Project 3. Project title: "Web usage data in clinical trials – how can we determine dose?"

Supervisors: Dr Susanna Dodd, Dr Duncan Appelbe

Contact: Dr Susanna Dodd shinds@liverpool.ac.uk

Project description: <https://www.findaphd.com/search/ProjectDetails.aspx?PJID=84209&LID=4115>

Project 4. Project title: Development and application of methodology for “polygenic risk” prediction in pharmacogenetic genome-wide association studies. Supervisors: Dr Andrea Jorgensen (Department of Biostatistics), Prof Andrew Morris (Department of Biostatistics), Prof Sir Munir Pirmohamed (Department of Molecular and Clinical Pharmacology)

Contact: Andrea Jorgensen aljorgen@liverpool.ac.uk

Project description: <https://www.findaphd.com/search/ProjectDetails.aspx?PJID=84212&LID=4115>

Project 5. Project title: Understanding the potential and limitations of disease registries for clinical trial efficiency.

Supervisors: Prof Carrol Gamble, Prof Paula Williamson (Department of Biostatistics, University of Liverpool)

Contact: Prof Carrol Gamble carrolp@liverpool.ac.uk

Project description: <https://www.findaphd.com/search/ProjectDetails.aspx?PJID=84211&LID=4115>

2nd Funded PhD Studentship is offered in this specific project. Project title: Quantitative retinal image analysis for monitoring of diseases: application in wide field imaging for retinal vascular diseases.

Supervisors: Dr Gabriela Czanner (Department of Biostatistics and Department of Eye and Vision Science), Dr Yalin Zheng (Department of Eye and Vision Science), Prof Simon Harding (Department of Eye and Vision Science)

Contact: Dr Gabriela Czanner czanner@liverpool.ac.uk

Project description: <https://www.findaphd.com/search/ProjectDetails.aspx?PJID=83890&LID=1846>