Newcastle University PhD Studentship award

**Title**
PhD projects in Statistics

**Value of award**
A tax-free stipend of £14,777 per year (subject to minor change) and 100% UK tuition fees. We will consider covering the EU/international fees for outstanding students and where possible.

**Number of awards**
1

**Start date and duration**
42 months from September 2019

**Application closing date**
31 January 2019

**Overview**
The School of Mathematics, Statistics and Physics anticipates that a fully funded PhD studentship will be allocated in an open competition for new, high-calibre PhD students commencing their studies in September 2019.
A more detailed description of the available projects can be found at the following link: [https://www.ncl.ac.uk/maths-physics/postgraduate/research-projects/statistics](https://www.ncl.ac.uk/maths-physics/postgraduate/research-projects/statistics)

Statistical research in this School of Mathematics, Statistics and Physics can be grouped into three research themes:
- Statistical bioinformatics and stochastic systems biology
- Bayesian statistics
- Biostatistics

For further information on each project can be found by clicking on the hyperlink above:
- Delayed acceptance pseudo marginal schemes for diffusion processes
- Whole cell Bayesian parameter inference
- Nonlinear function-on-function regression analysis and applications
- Functional latent variable models with applications to movement data
- Reliability analysis in the age of data-centric engineering
- Bayesian functional classification through wavelet-domain Markov groves
- Transfer Learning of Directed Acyclic Graphical Models
- Space-Time Scalar and Vector Valued Global Processes
As well as the above stipend and fees, the studentship includes the provision of a new desktop computer and travel allowance. Successful participants will also have the opportunity to undertake teaching related activities supported by training workshops. Interested applicants are encouraged to contact the supervisors of the projects they are interested in for more information. General information can also be obtained from Dr Colin Gillespie (colin.gillespie@ncl.ac.uk).

**Sponsor**
EPSRC / School of Mathematics, Statistics and Physics

**Name of supervisor(s)**
The projects will be supervised by members of the academic staff of the school with relevant research interests and experience. https://www.ncl.ac.uk/maths-physics/staff/academic/statistics/

**Eligibility Criteria**
This studentship is available to candidates who have/expect a 2:1 honours degree in computing science, mathematics, physics, statistics or another strongly quantitative discipline, or an international equivalent. Applicants whose first language is not English require a minimum of IELTS 6.5. International applicants may require an ATAS (Academic Technology Approval Scheme) clearance certificate prior to obtaining their visa and to study on this programme.

**How to apply**
You must apply through the University’s online postgraduate application form http://www.ncl.ac.uk/postgraduate/apply/

Please include the following information:
- Insert the programme code **8080F** in the programme of study section.
- Select **PhD Mathematics – Statistics**
- Insert the studentship code **MSP013** in the studentship/partnership reference field.
- Attach degree transcripts and certificates, and if English is not your first language, a copy of your English Language qualification.
- Attach a covering letter and CV, the letter must clearly state the project you wish to apply for.

**Contact**
Dr Colin Gillespie (colin.gillespie@newcastle.ac.uk).