

# Strathclyde Global Talent Programme (Chancellor's Fellow): Mathematical Modelling and Statistical Analysis.

Staff Category	Academic	Grade:	7/8*
Salary Range:	£34,956 - £48,327	Contract Type:	Open Contract
FTE:	1	Closing Date	Sunday, 24 September 2017

## Job Advert

### Who we are

Be bold. Be innovative. Be a 'Strathclyder'.

We are the University of Strathclyde. Our vision is bold and ground breaking, placing us amongst the world's leading international technological universities. We are vibrant, dynamic and passionate about solving the challenges facing society and industry through our cutting-edge, multi-disciplinary research, education and knowledge-exchange with global partners.

We are seeking to appoint extraordinary early career academics in strategically important research areas.

### Our strategic focus

The strategic priority for this vacancy is Mathematical Modelling and Statistical Analysis of Societal and Policy issues. This multi-disciplinary research area includes research that addresses major challenges in the key areas of:

- Risk Prediction in Global Health Epidemiology, Digital Health and Pharmaco-Epidemiology: Developing and using appropriate statistical methods is a major challenge when analysing large sets of linked health data. Our focus is on developing new technologies by harnessing this data to prevent disease and manage treatments.
- Modelling of Marine Ecosystems: Stewardship of marine ecosystems whilst enabling sustainable exploitation of the goods and services they provide is a major scientific and policy challenge. Our focus is on development of mathematical models and statistical analyses to reveal how ecosystems respond to climate and human activity and assist policy makers.
- Stochastic Modelling: Involves modelling, analysis and implementation of numerical methods that help us to understand and predict uncertainty in real world scenarios such as those found in the finance industry.

### The opportunity

Your Fellowship will normally be at lecture (or exceptionally, at senior lecturer) level for a period of 5 years, with the expectation that you'll meet our promotion criteria within that period and be transferred to an open-ended ('tenured' equivalent) academic appointment at senior lecturer (or, where you've been appointed as a senior lecturer, Reader) level.

As a Fellow you will enjoy a range of benefits, including:

- Growth of your research portfolio

### the place of useful learning

The University of Strathclyde is a charitable body, registered in Scotland, number SC015263

- Reduced teaching load and limited administrative duties over the initial years of your Fellowship
- Support through our academic probationary arrangements to gain feedback on your performance, meet your training needs and enhance your effectiveness
- Mentoring, to help you establish a balance of research, teaching, knowledge exchange and citizenship responsibilities while enhancing your leadership qualities to support your long-term career

In order to apply, you should have:

- A PhD and postdoctoral research experience;
- An emerging publication history in high quality academic journals; and
- Research interests which align with our areas of strategic priority

We encourage applications from candidates who already hold an external fellowship which can be transferred to us and which have a strong alignment to our strategic focus.

We are particularly keen to hear from suitably qualified individuals who will actively engage with and support the University's ambition to implement best practice on equality and diversity and in particular Athena SWAN. The Athena SWAN Charter inspires the advancement and representation of women in higher education.

\* Appointments may be made on an exceptional basis to Senior Lecturer level (Grade 9) (£49,772 - £55,998) where a candidate has a strong track record in research leadership.

## Job Description

### Brief Outline of Job:

Initially, the focus of the Fellow will be on establishing an impressive research portfolio, aligned to the strategic priorities of the University and with appropriate attraction of external funding. Over the course of the Fellowship additional duties in the areas of teaching and citizenship will be assigned to the Fellow in line with the duties of a Lecturer (or Senior Lecturer, as appropriate).

### Main Activities/Responsibilities:

1.	Engage in individual and collaborative research which aligns to the strategic direction of the University, establishing a distinctive programme of research and disseminating results through regular publications in high impact journals, books and conference proceedings.
2.	Apply, as Principal- or Co-Investigator, to appropriate external bodies for research funding and manage grants awarded.
3.	Develop knowledge exchange activities by, for example, establishing research and/or educational links with industry and influencing public policy and the professions.
4.	For appointments made at Senior Lecturer level, lead research programmes of national/internationally excellence, securing funding and managing research groups, providing leadership, support and guidance to research staff and students and academic colleagues as appropriate.
5.	Undertake development as required to become fully competent in an academic role.
6.	Over the 5 year Fellowship period undertake additional activities relating to research, teaching, knowledge exchange and administration such that the criteria for Senior Lecturer (or Reader if an appointment is made at Senior Lecturer level) are met by the end of the Fellowship.

## Person Specification

E.1	Good honours degree and PhD in appropriate discipline.
E.2	Research interests consistent with the strategic priorities of the University.
E.3	A body of published research in high quality publications demonstrating standards of excellence.
E.4	Excellent interpersonal and communication skills, with the ability to listen, engage and persuade, and to present complex information in an accessible way to a range of audiences.

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| E.5 | Ability to work within an academic team environment and lead teams where required.                             |
| E.6 | Track record of securing research funding and/or potential to secure high value research grants and contracts. |
| D.1 | Research interests that align with at least one of Strathclyde's international partners.                       |
| D.2 | Relevant teaching experience at undergraduate and/or postgraduate levels.                                      |
| D.3 | Track record in knowledge exchange related activities.   |
| E.7 | Senior Lecturer level: extensive experience of research leadership.  |
| E.8 | Senior Lecturer level: experience of leading successful research funding applications.                         |

## Application Procedure

To apply you must provide the following:

- A fully completed Application Form
- A detailed CV, including publications record
- A 5 year Strathclyde based research plan which clearly identifies with which strategic area you consider yourself to align

Applications should be made online via the [University's recruitment system](#).

## Other Information

Further information on the application process and working at Strathclyde can be found at the dedicated Strathclyde Global Talent Programme Website ([www.strath.ac.uk/workwithus/strathclydeglobaltalentprogramme/](http://www.strath.ac.uk/workwithus/strathclydeglobaltalentprogramme/))

Enquiries about the Strathclyde Global Talent Programme should be directed to [globaltalent@strath.ac.uk](mailto:globaltalent@strath.ac.uk)

### Probation

Where applicable, the successful applicant will be subject to a probationary period.

### Pension

The successful applicant will be eligible to join the Universities' Superannuation Scheme. Further information regarding this scheme is available from [Payroll and Pensions](#).

### Relocation

Where applicable, the University offers a relocation package to support new employees who meet the eligibility criteria. The relocation package is offered as a contribution towards costs incurred, and is designed to be flexible, allowing staff to use the financial support available in the way that will be most helpful to them. Further details are outlined in the Relocation Policy.

### Equality and Diversity

We value diversity and welcome applications from all sections of the community.

The University currently holds a Bronze Athena SWAN award, recognising our commitment to advancing women's careers in academia.

