

Research  
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Great Minds. Innovative Solutions.

# Strathclyde Global Talent Programme (Chancellor's Fellow): Plasma Physics and High-Power Microwaves

Staff Category	Academic	Grade:	7 or 8*
Salary Range:	£39,592 - £63,059*	Contract Type:	Open Contract
FTE:	1 FTE (hours required to fulfil duties of post – Happy to Talk Flexible Working)	Closing Date	Wednesday, 12 April 2023
Reference No	508798		

## Job Advert

### *Who we are*

Great minds. Innovative solutions.

We are the University of Strathclyde. Our vision is innovative 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 who complement our strategic themes.

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

**THE AWARDS**  
2019

Times Higher Education University of the Year 2012 & 2019  
Times Higher Education Widening Participation Initiative of the Year 2019  
The University of Strathclyde is rated a QS 5-star institution

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OF THE YEAR



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For more information visit the Strathclyde Global Talent Programme Website:

[www.strath.ac.uk/workwithus/strathclydeglobaltalentprogramme](http://www.strath.ac.uk/workwithus/strathclydeglobaltalentprogramme) or email [globaltalent@strath.ac.uk](mailto:globaltalent@strath.ac.uk)

**The Atoms Beams and Plasmas Group (ABP), in the Department of Physics, seeks applications in the areas of:**

**Plasma Physics, High-Power Microwaves, Wave-Plasma Coupling and Atomic Physics in Plasma**

The [ABP](#) group's research spans high-power microwaves, particle beams, wave/beam-plasma coupling, atomic physics and spectroscopy. The group has outstanding laboratories in the [Technology and Innovation Centre](#), featuring a new 'linear' apparatus for fundamental wave-plasma research, facilities for high-power microwave experiments and extensive numerical and theoretical capabilities. The group leads the [Atomic Data and Analysis Structure](#) project, involving all major fusion laboratories. The group's research is relevant to geophysical and astrophysical plasmas and industrial applications. Collaborations exist with the [UK Fusion](#) programme, [STEP](#), multiple industrial partners and the [Cockcroft Institute](#).

**The opportunity**

We would love to hear from you if you have a PhD and postdoctoral research experience; an emerging publication history in high quality academic journals; and research interests which align with this area of strategic priority – particularly if you already hold an external fellowship that can be transferred to us.

The University of Strathclyde is a socially progressive institution that strives to ensure equality of opportunity and celebrates the diversity of its student and staff community. Strathclyde is people-oriented and collaborative, offering a supportive and flexible working culture with a deep commitment to our equality, diversity and inclusion charters, initiatives, groups and networks.

We strongly encourage applications from Black, Asian and minority ethnicity, women, LGBT+, and disabled candidates and candidates from lower socio-economic groups and care-experienced backgrounds.

You'll be rewarded with:

- Growth of your research portfolio
- Reduced teaching load and limited administrative duties over the initial years of your Fellowship
- Support through our academic career development framework to gain feedback on your performance, meet your training needs and enhance your effectiveness – allowing you to be ready for promotion within 5-years of your appointment

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- 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.

*\* Your Fellowship will normally be at lecturer level (exceptionally, at senior lecturer (Grade 9) (£56,048 - £63,059) where you have a strong track record in research leadership) for 5 years, with the expectation that you'll meet our promotion criteria within that period and be transferred to senior lecturer (or, where you've been appointed as a senior lecturer, Reader) level.*

## Job Description

Initially, your focus will be on establishing an impressive strategically-aligned research portfolio, with appropriate attraction of external funding. Whilst a lower teaching load will initially be assigned to you, over the course of your Fellowship, additional teaching and citizenship will be assigned to you in line with the duties of a Lecturer (or Senior Lecturer, as appropriate).

Main Activities/Responsibilities:

1.	<b>Research Leadership and Dissemination:</b> Engage in individual and collaborative strategically-aligned research, establishing a distinctive programme of research and disseminating results through regular publications in high impact journals, books and conference proceedings. [Senior Lecturer level only]: grow research programmes of national/internationally excellence, securing funding and managing research groups, providing nurture, support and guidance to research staff and students and academic colleagues as appropriate
2.	<b>Funding:</b> Apply, as Principal- or Co-Investigator, to appropriate external bodies for research funding and manage grants awarded.
3.	<b>Knowledge exchange:</b> Develop knowledge exchange activities by, for example, establishing research and/or educational links with industry and influencing public policy and the professions.
4.	<b>Additional activities over 5-year period:</b> Undertake additional activities relating to research, teaching, knowledge exchange and administration such that the criteria for Senior Lecturer (or Reader, if an appointed as Senior Lecturer) are met by the end of the Fellowship.

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## Person Specification

### Educational and/or Professional Qualifications

(E=Essential, i.e. a candidate must meet all essential criteria to be considered for selection, D=Desirable)

E1 Good honours degree and PhD in relevant discipline/s.

E2 Strategically-aligned research interests, with a body of published research in high quality publications demonstrating standards of excellence.

E3 Track record of securing research funding and/or potential to lead successful research bids, including research fellowships (e.g. UKRI Future Leaders Fellowship, Leverhulme, Royal Society, ERC)

E4 A passion for delivering research-integrated teaching and a commitment to providing an excellent learning and teaching experience for Strathclyde students.

E5 Ability to work within an academic team environment and lead teams where required, in a manner consistent with the University's Values.

E6 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;

E7 [Senior Lecturer level only]: extensive experience of research leadership and of leading successful research funding applications.

D1 Relevant teaching experience at undergraduate and/or postgraduate levels;

D2 Track record in knowledge exchange related activities.

## Application Procedure

To apply, [click here](#) to visit Strathclyde's vacancies portal and provide:

- A fully completed application form;
- A cover letter;
- A CV; and
- A 5-year Strathclyde research plan which outlines your vision, aligned to our strategic plan and highlights any existing or future opportunities for collaborative initiatives (maximum 4 pages).

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For more information, or to contact a Strathclyde colleague who would love to talk to you about this opportunity, visit our [Global Talent website](#).

## Other Information

### University Values

The University's Values capture what we're all about: who we are, what we believe in and what we stand for. [Our Values](#) have been derived from how we act and how we expect to be treated as part of Strathclyde.



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