



Research Associate

Department	Chemical and Process Engineering (www.strath.ac.uk/engineering/chemicalprocessengineering/)		
Faculty	Faculty of Engineering (www.strath.ac.uk/engineering/)		
Staff Category	Research	Reference No	650277
Reports To	The Head of Department, through Line Manager	Grade	7
Salary Range	£36,024 - £44,263	Contract Type	Fixed Term (Until 31/07/2026)
FTE	1 (35 hours/week)	Closing Date	28/10/2024
Working Arrangements	Hybrid. The standard requirement across the University is that at least three days per week (based on IFTE) will be spent working on-site (with flexibility as appropriate).	On Site Facilities	Car parking, sports centre, catering.
Holidays	27 days + 11 statutory days Option to purchase additional holidays.		
Pensions	Contributory pension scheme available to all staff including generous employer contribution.		
Training	Professional Development with Organisational and Staff Development Unit (OSDU) plus external training if required.		
Family Friendly Benefits	Generous parental leave provision, on-campus nursery and options for flexible working.		
Health and Wellbeing	University Sport centre, Occupational Health service, access to health and wellbeing events, cycle to work scheme, Employee Assistance Programme, agile working and established carers support network and carer friendly policies.		

Job Advert

As a Research Associate, under the general guidance of Department Director of Teaching and other relevant staff. You will develop research objectives and proposals, play a lead role in relation to a specific project/s or part of a broader project within CPE, conduct individual and/or collaborative research, contribute to the development of new research methods, identify sources of funding, and contribute to the securing of funds for research, including drafting grant proposals and planning for future proposals. You will write up research work for publication, individually or in collaboration with colleagues, and disseminate the results via peer reviewed journal publications and presentation at conferences. You will join external networks to share information and ideas, inform the development of research objectives and to identify potential sources of funding. You will collaborate with colleagues to ensure that research advances inform CPE teaching efforts, and you will collaborate with colleagues on the development of knowledge exchange activities by, for example, participating in initiatives which establish research links with industry and influence public policy and the professions.

You will supervise student projects, provide advice to students and contribute to teaching as required by, for example, running tutorials and supervising practical work. You will contribute in a developing capacity to department administrative and management functions and committees and engage in continuous professional development.

To be considered for the role, you will be educated to a minimum of PhD level in an appropriate discipline or have significant relevant experience in addition to a relevant degree. The ideal candidate will have a strong background in Chemical and Process Engineering, particularly in biochemical processes, and the ability to work both independently and as part of a team. This position offers excellent opportunities for skills development in both research and teaching. By joining our dynamic research group, you will play a crucial role in advancing the field of Chemical and Process Engineering while developing your professional expertise.

Whilst not essential for the role, applications are welcomed from candidates with: relevant work experience, membership of relevant Chartered/professional bodies (including the Higher Education Academy), experience of relevant student supervision and teaching activities, and/or experience of knowledge exchange related activities.

Job Description

Brief Outline of Job:

The Department of Chemical and Process Engineering is seeking a Research Associate to join their team. This role encompasses a range of responsibilities including conducting research, leading projects, and contributing to teaching activities. The successful candidate will develop research objectives, establish a personal research portfolio, and engage in knowledge exchange. Under guidance from senior staff, they will participate in research dissemination through presentations and reports, while also assisting with funding proposals. Teaching duties will provide valuable experience for career development. The ideal applicant should have a strong background in Chemical and Process Engineering and be capable of working both independently and collaboratively. This position offers significant opportunities for professional growth in both research and teaching capacities, allowing the candidate to make meaningful contributions to the field while developing their expertise.

Main Activities/Responsibilities:

1.	As part of a wider research group, contribute to research activities within the area of biochemical and process engineering to develop the research within the department and contribute to funding proposals to support future activities. The postholder will disseminate outcomes via presentations, and through technical reports, with guidance from senior colleagues, as required.
2.	Plan and manage own workload, with guidance from colleagues as required.
3.	Engage with project partners, periodically reporting project progress, main findings and any related issues.
4.	Identify sources of funding and contribute to the securing of funds for research, including drafting grant proposals and planning for future proposals.
5.	Write up research work for publication, individually or in collaboration with colleagues, and disseminate results as appropriate by peer reviewed journal publications and presentation at conferences.
6.	Join external networks to share information and ideas, inform the development of research objectives and to identify potential sources of funding.
7.	Collaborate with colleagues to ensure that research advances inform departmental teaching effort.
8.	Collaborate with colleagues on the development of knowledge exchange activities by, for example, participating in initiatives which establish research links with industry and influence public.
9.	Supervise student projects, provide advice to students and contribute to teaching and assessment of undergraduate and postgraduate students as required.
10.	Contribute to developing capacity in Department/School, Faculty and/or University administrative and management functions and committees.
11.	Engage in continuous professional development

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 Chemical Engineering/Biochemical Engineering or related disciplines such as Process Engineering, Biotechnology and Fermentation Technology.

Experience

- E2 Sufficient breadth/depth of knowledge in the relevant discipline/s to contribute to research programmes and to the development of research activities.
- D1 Experience in chemical engineering research methods and processes, which may be experimental, theoretical or a mix of both.
- D2 Experience in teaching, student support and/or pedagogy in chemical engineering or a closely related discipline
- D3 Experience in student supervision and teaching activities.
- D4 Experience of knowledge exchange related activities

Job-Related Skills and Achievements

- E3 Ability to conduct individual research and produce high-quality journal papers
- E4 Ability to plan and organise own workload effectively; work within a team environment.
- E5 Ability to set up, run and manage reactors, analyse data, and ensure data quality assurance.
- E6 Ability to develop, write, and review technical documentation including reports, Standard Operating Procedures (SOP), and other health and safety documentation.
- E7 Ability to work within a team environment
- D5 Ability to use MS Office (Word, Excel, PowerPoint) or similar packages at a level where reports and presentations can be appropriately prepared.
- D6 Experience in contributing to grant proposal development and planning future proposals.
- D7 Experience in supervision of PhD, masters or undergraduate students and student projects.
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Application Procedure

Applicants are required to complete an application form including the name of three referees who will be contacted without further permission, unless you indicate you would prefer otherwise. Applicants should also submit a Curriculum Vitae and a covering letter detailing the knowledge, skills and experience you think make you the right candidate for the job as well as a Research Plan outlining your research strategy for the next 5 years. Applicants should also complete the Equal Opportunities Monitoring Form.

Other Information

Further information on the application process and working at Strathclyde can be found on our website (<http://www.strath.ac.uk/hr/workforus>).

Informal enquiries about the post can be directed to Dr Mark Haw, Director of Teaching (mark.haw@strath.ac.uk).

Conditions of Employment

Conditions of employment relating to the Research staff category can be found at: [Conditions of Employment](#).

Rewards and Benefits

Our staff have access to a wide range of outstanding benefits that include financial rewards, family friendly and wellbeing benefits and career development opportunities, details of which can be found [here](#).

Probation

Where applicable, the successful applicant will be required to serve a 9 month 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

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.

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.

