

Three Professorial Appointments in:

- Analytical Chemistry
- Biomaterials Chemistry
- Physical Chemistry

Department of Pure & Applied Chemistry
University of Strathclyde
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Welcome Letter

Dear Applicant,

Thank you for your interest in these important senior appointments in the Faculty of Science at the University of Strathclyde.

Strathclyde is a leading international technological university which is recognised for its strong research links with industry, business and the public sector, commitment to enterprise and knowledge exchange, and the development of skills and knowledge fit for the challenges of the 21st century.

Our contributions to excellence in research, knowledge exchange and education have been recognised through a series of institutional awards, including the Times Higher Education UK University of the Year 2012, Entrepreneurial University of the Year 2013 and Business School of the Year 2016. Also, the 2014 Research Excellence Framework (REF) assessment confirmed that we are in the top 20 research intensive universities in the UK. Chemistry made an important contribution to this success through an excellent outcome in UoA 8

The Department of Pure and Applied Chemistry has an internationally leading reputation for research and scholarship and to strengthen this further we intend to make three new professorial appointments in analytical, biomaterials and physical chemistry. For the roles, each Professor will have an independent and internationally-recognised research portfolio in one of the specified broad areas of chemistry. We are looking for proven academic leaders, who have the ability to build upon their outstanding track record and create sustained research excellence in the future.

Following the professorial appointments, the Department will recruit three additional academic appointments to develop further our research capabilities in analytical, biomaterials and physical chemistry.

I hope you will be excited by the opportunity to become the one of our three new professors in chemistry and join a vibrant and collaborative Science Faculty. If so, please contact me for informal discussions.

Best wishes



Professor David Littlejohn
Executive Dean of Science

REF UK TOP 20 RESEARCH-
INTENSIVE UNIVERSITY

THE UK UNIVERSITY OF THE
YEAR WINNER

THE UK ENTREPRENEURIAL
UNIVERSITY OF THE
YEAR WINNER

Research Areas of Interest

Chemistry is a wide ranging discipline that provides molecular levels of understanding and manipulation to create impact in a range of academic and industrial settings by devising innovative solutions to global challenges. Future growth of the research base in the chemical sciences is vital to continue this impact. Within the Department of Pure and Applied Chemistry we have created four research sections to reflect the strengths of the department and to deliver impactful innovative research. These are Catalysis & Synthesis, Chemical Biology & Medicinal Chemistry, Materials & Computational, and Bionanotechnology & Analytical Chemistry. We now seek to appoint three new Professors in the areas of analytical chemistry, biomaterials chemistry and physical chemistry.



Analytical Chemistry

Research in analytical chemistry within Pure and Applied Chemistry covers a broad range of areas with current strengths in vibrational spectroscopy, process analytical chemistry and chemometrics. We are looking to expand this range of activity and are particularly interested in analytical chemistry research within mass spectrometry, electrochemistry or fluorescent sensing to complement and expand our current research capabilities in analytical chemistry. We would expect the post holder to play a significant role in new UK wide initiatives emerging with a focus on analytical chemistry and to contribute to existing strategic partnerships in the sector.



Biomaterials Chemistry

Biomaterials research is a growing strength within the Department and we are looking to recruit emerging leaders in this field. Our current expertise focuses on using biology to inspire new materials design with controlled functionalities and using biomolecules as building blocks for new materials. We would expect the post holder to bring a new area of biomaterials research to the department and lead our emerging profile in this dynamic field of chemistry research.



Physical Chemistry

Following our restructuring in 2016 to better reflect our research intensity, research in physical chemistry can be found in several of the research sections. We are looking to appoint in any area of physical chemistry that aligns with our research sections. The post holder will be expected to drive forward a world leading programme of physical chemistry research and create new research strengths within the Department

Responsibilities

- As an academic leader, support and further enhance research, teaching and knowledge exchange activities within the Department of Pure and Applied Chemistry, the Science Faculty and the University.
- Provide research leadership within Pure and Applied Chemistry, the Faculty and University through identifying, developing and leading significant research directions and projects. Define and deliver activities which maximise the impact of this research.
- Lead an internationally acclaimed programme of research in the relevant field of chemistry, disseminating results through regular and sustained publications in high impact journals, books and conference proceedings.
- Secure substantial research grant funding for research and knowledge exchange activities.
- Lead in the development of appropriate knowledge exchange activity to establish and maintain links with companies and government agencies, and where appropriate influence policy and professional practice at national and international level in academia and within business, industry and government.
- Contribute at a strategic level, to the work of Pure and Applied Chemistry, the Science Faculty and University, for example through participation in the Department Research Committee and by playing a lead role on University committees.
- Oversee the design and delivery of educational degree curricula and play a lead role in the development of educational strategy and operational standards.
- Engage in continuous professional development.



Person Specification

- Good honours degree plus a PhD in chemistry or a closely related discipline.
- An outstanding and inspiring record of achievement in research and scholarship evidenced in a sustained portfolio of peer-reviewed publications recognised internationally in the relevant field of chemistry.
- Research interests consistent with the strategic direction of the Department/Faculty/University.
- Extensive experience of delivering high quality undergraduate and postgraduate teaching and supervision of research students in chemistry.
- Proven ability to build an internationally leading research group and successfully manage and promote that group's research within an international arena.
- Proven ability to attract substantial research funding over a sustained period.
- Proven track record of achievement in building an internationally leading programme of research and established track record of collaborative research.
- Development and maintenance of external partnerships including interaction with industry and high impact knowledge exchange activity.
- Established track record of project and budget management.
- Excellent interpersonal and communication skills; with the ability to listen, engage and persuade, and to present complex issues to a range of audiences.
- Able to contribute to the purpose and strategic direction of the Department of Pure and Applied Chemistry.
- Able to build Strathclyde's research capability and credibility in the relevant area of chemistry.



Department of Pure and Applied Chemistry

The Department of Pure and Applied Chemistry at the University of Strathclyde is a vibrant and ambitious Department with a strong reputation for excellence in research and teaching and a growing knowledge exchange portfolio. We have an international research reputation spanning the breadth of chemistry. In addition, we host centres of excellence in Forensic Science, Molecular Nanometrology, and Process Analytics & Control Technology, as well as being a key contributor to the University's Centre for Continuous Manufacturing and Crystallisation.

In the recent REF 2014 exercise we were placed 4th in the UK as judged by the GPA-Power Ranking with 94% of our research rated as internationally excellent or internationally leading. Our Department's research is supported by many sources including EPSRC, BBSRC, EU, the Royal Society and the Royal Society of Edinburgh and features very strong connections with industry. The Department has excellent research facilities, including state of the art laboratories with access to additional resources through our WestCHEM partnership with the University of Glasgow.



We support a large research community including around 150 PhD students, including those in doctoral training centres in Optical Medical Imaging, Medical Devices, and Synthetic and Medicinal Chemistry. Unique to Strathclyde is the collaboration with global healthcare giant GlaxoSmithKline on delivery of an industry based, academically rigorous doctoral training programme.

Our broad teaching portfolio reflects the diversity of our research, offering popular, high quality and fully accredited undergraduate degrees (recent intakes: ~160 students per year) and internationally renowned MSc degrees in Forensic Science and Medicinal Chemistry with a new MSc in Analytical Chemistry



Faculty of Science

The Faculty of Science covers all the major scientific disciplines and is organised in the following departments:

- Strathclyde Institute of Pharmacy and Biomedical Science
- Computer and Information Sciences
- Pure and Applied Chemistry
- Mathematics and Statistics
- Physics (including the Institute of Photonics, a commercially orientated research centre)

With over 3,000 students and more than £20 million of external research grant income each year, we provide a prime learning and research environment. The Faculty of Science investigates the challenges and possibilities of the natural and technological world, from drug discovery and public health, to environmental concerns, tackling cybercrime, and understanding space. We embrace the University's philosophy of 'useful learning' in research, knowledge exchange and teaching.

Informed by the world-class research being pursued in all our departments, Science courses at Strathclyde combine theoretical understanding with an emphasis on modern applications, giving our graduates the knowledge and skills that are relevant in today's world. Most degrees are accredited by the relevant professional body.

Students are offered high quality teaching informed by innovative research and benefit from strong links with industry, the NHS and other public sector organisations and international partners. Their learning is supported by a sophisticated virtual e-learning environment designed to meet their needs.

Our facilities are excellent, with well equipped, modern laboratories and teaching rooms. Students and staff have 24 hour access to our advanced and secure computer information network.



The University of Strathclyde

Established more than 200 years ago 'for the good of mankind', the University of Strathclyde has always had a global outlook. The University is situated in the heart of Glasgow –one of the UK's largest cities – and has a vibrant, international community including 22,000 students and more than 3,000 staff from around 100 countries.

Strathclyde is dedicated to 'useful learning' and is recognised internationally for its close working relationship with global businesses, and its partnerships with industry, government and policy makers. The University's academics are committed to working with partners to tackle the major research challenges of the 21st Century, while developing the highly-skilled graduates needed by industry and the professions. Its high-profile alumni include John Logie Baird, inventor of the world's first television; James Blyth, the wind energy pioneer; David Livingstone, the medical missionary and explorer; Henry Faulds, originator of fingerprint identification; James "Paraffin" Young, father of the oil industry; Dame Elish Angiolini QC, former Lord Advocate of Scotland; and Sir Tom Hunter, entrepreneur and philanthropist.

Our Strategic Plan <http://www.strath.ac.uk/whystrathclyde/strategicplan/> is designed to ensure that the University achieves its ambitions as a leading international technological university and that, through research, education and knowledge exchange; we remain engaged with public life globally as a place of useful learning. At Strathclyde, technologies combine the creation and development of materials, methods and processes with an understanding of how people and societies around the world use, adapt and respond to these.



Our Values

People-oriented

Committed to our staff and students, providing opportunities and investing in their development.

Bold

Confident and challenging about what we do, and supportive of appropriate and managed risk in our decision making.

Innovative

Focused on discovering and applying knowledge with impact, and encouraging creative thinking and new ideas.

Collaborative

Working together, internally and externally, with integrity and in an open, respectful way.

Ambitious

For our institution, staff and students as well as supporting the ambitions of our partners.

Reward and Employee Benefits

Reward

We offer a competitive salary package at a Professorial level commensurate with your profile and experience in your area of expertise. As well as the above, employment at the University of Strathclyde offers a number of excellent benefits including:

- Generous holiday entitlement of 31 days plus 11 public holidays
- Membership of the Universities Superannuation Scheme which includes a generous monthly employer contribution of 18% while you will pay 8% of your salary
- Salary exchange scheme known as Pensions Plus, it is open to employees who are members of the Universities Superannuation Scheme. Members benefit from savings in National Insurance Contributions by changing the way pension contributions are paid.
- A generous relocation package available for those relocating from further afield

Career Development

Committed to being a 'place of useful learning', the University puts great emphasis on the learning and development of all our staff

- Reduced or remitted fees on a number of vocational and non-vocational courses
- Access to the University Library's facilities and resources
- A wide range of professional development courses via the [University's Organisation and Staff Development Unit \(OSDU\)](#) and other in-house training providers

Family Friendly Benefits

The University is committed to promoting and improving a healthy work-life balance for employees and we offer a number of benefits to staff with families

- Generous maternity, paternity, adoption and shared parental leave schemes offering above the statutory minimum requirements for qualifying staff
- [Childcare Voucher Scheme](#) which operates as a salary sacrifice scheme allowing you to make savings on tax and national insurance contributions.
- [On-campus nursery](#), run by Childcare Scotland, is available for children from 3 months to pre-school.

Health and Wellbeing

The University places high importance on the safety, wellbeing and health of all our staff and offer a range of facilities and services to facilitate this.

- Reduced rates of membership to the [University's Centre for Sport and Recreation](#)
- [Ross Priory Club](#)
- Generous occupational sick pay provision
- Access to the Occupational Health Service and Employee Counselling Service
- [Cycle to Work Scheme](#)

Application Process

Applicants are required to complete an application form including the names, positions, organisations and telephone contact numbers of three referees who will be contacted before interview without permission, unless you indicate you would prefer otherwise.

Applicants should also submit a detailed Curriculum Vitae (CV), a covering letter and a Research Plan outlining your research strategy for the next 5 years. This should be submitted as a single document.

Please ensure that your covering letter fully states how your skills and experience match the person specification for this role; your CV should cover your full career history and provide details of associated responsibilities and key achievements.

Finally please ensure that you have included mobile, work and home telephone numbers on your CV, as well as any dates when you will not be available.

Further information on the application process and working at Strathclyde can be found on our website (<http://www.strath.ac.uk/hr/workforus>). The closing date for applications is **3 September 2017**.

Please note the formal interviews for this post will take place week commencing **16 October 2017**.

For informal enquiries please contact:
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