



THE UNIVERSITY
of EDINBURGH

Postgraduate Opportunities

2021

Chemistry



THE UNIVERSITY
of EDINBURGH

Top 50[†]

We're consistently ranked one of the top 50 universities in the world. We're 20th in the 2021 QS World University Rankings.

19TH

We're ranked 19th in the world's most international universities‡. Since 2010, we have taught students from 160 countries.

4TH

We're ranked fourth in the UK for research power, based on the 2014 Research Excellence Framework.†

Top 100

We're ranked in the top 10 in the UK and in the top 100 in the world for the employability of our graduates.§

7TH

Edinburgh is ranked the seventh best student city in Europe and 15th in the world.*

19

There are 19 Nobel Prize winners who are alumni of the University or who have been members of academic staff here.

Online leader

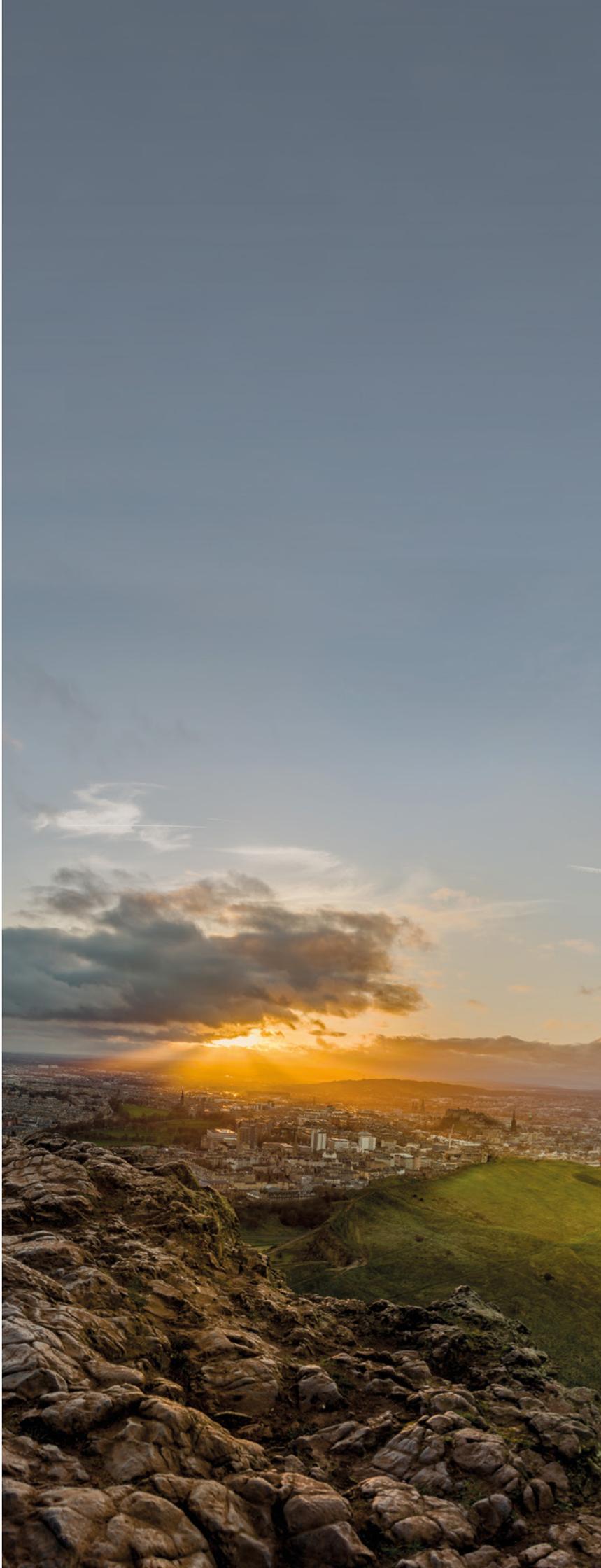
Edinburgh is one of the largest providers of online postgraduate programmes in the UK.

‡ *Times Higher Education*, The World's Most International Universities 2020

† *Times Higher Education*, Overall Ranking of Institutions

§ *Times Higher Education*, Global Employability University Ranking 2019

* QS Best Student Cities 2019



Open to the world

We're open to the world today so we can influence the world tomorrow. The University brings people with new ideas and perspectives together in a spirit of interdisciplinary innovation and collaboration. This has already shaped the world in so many ways, from the great thinkers of the Scottish Enlightenment, to the discovery of the Higgs boson particle and the development of a genetically engineered vaccine for Hepatitis B. Our 21 Schools, across three academic Colleges, embody our approach.





About the School of Chemistry

The teaching of chemistry at Edinburgh has a long and distinguished history – 2013 marked our 300th anniversary of the establishment of the ‘Chair of Physick and Chymistry’.

Today we continue that proud tradition as a leader in the field. In collaboration with the University of St Andrews, we have formed EaStCHEM, one of the largest and most successfully funded chemistry research organisations in the UK. As EaStCHEM, our submission to the Research Excellence Framework (REF) 2014 saw 95 per cent of our research rated either 4* world leading or 3* internationally excellent on the overall quality profile.

Our membership of ScotCHEM takes this collaborative spirit even further, providing links with all the major schools of chemistry in Scottish universities. We offer you a large, internationally-recognised research community, and the benefits of the latest facilities, well-published and award-winning academic staff, a lively graduate school environment and a broad range of engaging study opportunities.

Nobel Laureate

Our notable alumni include Professor Sir J Fraser Stoddart who was jointly awarded the Nobel Prize in Chemistry in 2016 for his work on the design and synthesis of molecular machines. Professor Stoddart graduated from the University with a BSc in 1964 and later with a PhD. He continues to inspire current students through the Fraser and Norma Stoddart PhD prize, established in 2013, which recognises excellence in research.

The best teaching

The School of Chemistry offers a globally connected teaching community that is enriched by incoming students from around the world. Our Director of Teaching, Professor Michael Seery, received a prestigious national teaching fellowship in 2020 recognising his impact on our students' outcomes and on the teaching within the School. Our undergraduate degrees are all accredited by the Royal Society of Chemistry and we're a recent 'Best Department' winner at the Edinburgh University Students' Association Teaching Awards.

We teach all the chemistry skills you will require for employment in the modern research environment. In addition, we have a well-developed training policy that ensures many different sources of training are made available to you, including courses at school, college and university level.

Rewarding research

Pursuing research at the School of Chemistry could be one of the best experiences of your life. In addition to gaining research skills, making friends, meeting eminent researchers and being part of the research community, a research programme will help you to develop invaluable transferable skills which you can apply to academic life or a variety of professions outside of academia.

Supporting business opportunities

As well as pursuing research for the purpose of academic advancement, we are ever alert to the commercial possibilities of our findings, and we work with business in order to identify and develop these opportunities. Should your postgraduate research show potential for industrial applications, we have the tools available to support its development and commercial success.



Our community

As part of our Graduate School, you'll be working in a large and dynamic research environment – one of the largest in the UK.

Located in the historic Joseph Black Building, which celebrated its 100th anniversary in 2020, and the Christina Miller Building on our King's Buildings campus (see page 16) in the south of Edinburgh, we form part of a thriving hub of science teaching and research, with all the amenities you'd expect from a large campus with easy access to the city centre.

Collaboration and interaction

Ours is an extremely interdisciplinary area, and many of our researchers interact with those in physics, biology, materials science, geosciences, engineering and other disciplines. With world-leading and internationally significant research being undertaken in all these areas, you'll find having collaborative access to this calibre of expertise is a valuable asset to your studies.

We recognise the value of interaction with the wider world of chemistry, and will encourage you to broaden your perspective by attending and presenting at international conferences. Teaching can also open the way to new approaches to research: you'll have the chance to find this out for yourself if you become involved in tutoring undergraduates.

Chemical bonds

The School organises regular research talks and visiting speaker symposia, as well as lecture courses on specialised techniques and safety. You will also attend the annual Joseph Black Conference, which is held in Edinburgh each May.

You'll be invited to join our chemistry society, ChemSoc, the oldest society of its kind in the world, established in 1785. A very active group for both students and teaching staff, ChemSoc organises a full and varied programme of lectures, and social and sporting events.



Employability and graduate attributes

With your postgraduate qualification you will be perfectly placed for a successful career in the chemical or pharmaceutical industries, such as in research and development or sales and marketing, or to continue in academia. At Edinburgh you will also learn valuable skills that will open doors in sectors outside chemistry, such as finance and data analytics – chemistry graduates' skillsets are in high demand.

Many of the skills that will ensure success in your postgraduate studies at the School of Chemistry will benefit your personal and professional development regardless of the direction your career may take, be it into finance, management, IT, patent law, government or other sectors.

The skills you will learn include:

- how to work independently to identify the aims of a project from the outset;
- teamwork and high-level networking skills;
- how to argue a case and offer constructive criticism;
- analytical and problem-solving skills;
- effective communication of complex information, including presentation skills.

Institute for Academic Development

All postgraduate students can benefit from our Institute for Academic Development (IAD), which provides information, events and courses to develop the skills you will need throughout your studies and in the future. IAD events also offer the perfect opportunity to meet and network with other postgraduates from across the University.

Further information is available online:
www.ed.ac.uk/iad/postgraduates

For taught postgraduates, the IAD provides a popular study-related and transferable skills support programme. It is designed to help you settle into postgraduate life, succeed during your studies and move confidently to the next stage of your career. It offers on-campus and online workshops and one-to-one study skills consultations, as well as online advice and learning resources in the Study Hub (www.ed.ac.uk/iad/studyhub). The programme and learning resources cover key study skills tailored to different academic stages, including prearrival sessions; getting started with your studies; critical reading, writing and thinking; managing your exams; and planning for and writing up your dissertation.

IAD also provides a comprehensive programme of transferable-skills training, resources and support for researchers completing a doctorate. The programme consists of workshops that are designed to help you successfully prepare for the various milestones of your PhD, from getting started with your research to writing up and preparing for the viva, as well as developing personal and professional skills that can be transferred to your future employment. Workshops cover topics such as writing skills, reference management tools, statistics, preparing for conferences, delivering presentations, time and project management, and personal development. IAD also offers online resources and planning tools to help get your research started, as well as support for tutoring and demonstrating, and public engagement and communication.

Careers Service

Our Careers Service plays an essential part in your wider student experience at the University, offering a range of tailored careers and personal development guidance and support. We support you to recognise the wealth of possibilities ahead, while at university and after graduation, helping you explore new avenues, tap into your talents and build your employability with confidence and enthusiasm.

From exploring career options to making decisions, from CV writing to interview practice, from Employ.ed internships to graduate posts, and from careers fairs to postgraduate alumni events, we will help you prepare for the future. We sustain and continually develop links with employers from all industries and employment sectors, from the world's top recruiters to small enterprises based here in Edinburgh. Our employer team provides a programme of opportunities for you to meet employers on campus and virtually, and advertises a wide range of part-time and graduate jobs.

More information:
www.ed.ac.uk/careers/postgrad

Platform One

We provide opportunities for students to draw on the knowledge and experience of our worldwide alumni network through lectures, workshops and panel discussions, and online via Platform One. This supportive environment allows students, alumni, staff and volunteers to gather to share their knowledge and experiences and discuss ideas, plans and possibilities.

More information:
www.ed.ac.uk/platform-one

Open to new ideas

If you consider yourself something of an entrepreneur, you'll be interested to know that Edinburgh is an entrepreneurial city, home to two of the UK's \$1 billion-valued unicorn companies. We boast one of the most entrepreneurial student bodies in the UK and have helped students launch nearly 100 startups in the last two years. One in five of those startups was a social enterprise. Edinburgh Innovations, the University's commercialisation service, offers free support to student entrepreneurs including one-to-one business advice and a range of workshops, bootcamps, competitions and networking events. Successful recent clients include Orfeas Boteas, creator of the Dehumaniser sound effects software used by Hollywood movies and blockbuster video games; Douglas Martin, whose company MiAlgae aims to revolutionise the global aquaculture and pet food industries; and Aayush Goyal and Karis Gill, whose gift box enterprise Social Stories Club brings ethical products to a wider market: www.ed.ac.uk/edinburgh-innovations/for-students



The School holds an Athena SWAN silver award recognising our commitment to advancing women in science:
www.ecu.ac.uk/equality-charters/athena-swan/

Open to the world

The University of Edinburgh has been influencing the world since 1583. Our Schools have a long history of making a difference but it isn't one we take for granted. To this day, we strive to deliver excellence and help address tomorrow's greatest challenges.

Here's a snapshot of what your School's community has been up to recently.

Preserving scarce elements

We worked with the Royal Society of Chemistry (RSC) last November to commemorate the International Year of the Periodic Table and highlight the problem of unrecycled electronics.

A spectacular projection of Dmitri Mendeleev's iconic periodic table, which was 150 years old in 2019, lit up George Square during Chemistry Week. It focused on several technologically critical elements that are becoming increasingly scarce.

A recent Ipsos MORI survey for RSC found 51 per cent of UK households have at least one unused electronic device – a mobile phone, computer, smart TV, MP3 player or e-reader. These abandoned electronics harbour rare precious elements, with electrical waste thought to contain as much as seven per cent of all the world's gold.

Research in the School led by Jason Love, Professor of Molecular Inorganic Chemistry, is now developing an approach that uses mild acid to dissolve metal in circuit boards and help recover precious metals from waste electronics.

“This highlights the importance of chemistry's central role to find and deliver sustainable solutions to a global problem that we all face today.”

Professor Colin Pulham
Head of School of Chemistry



Building a community

Our last internal review found ‘an impressive and commendable sense of community’ within the School – something our students play a proactive role in. Their latest initiative, Chemunity, brings students, researchers and staff together to discuss issues and concerns around the academic journey and enhance the student experience.

Chemunity hosts events and online resources focused on:

- strengthening the student voice and improving how student feedback is received and represented;
- clarifying what academic support is available and ensuring it is easily accessible; and
- creating an environment which promotes positive mental health and wellbeing for all.

With a chemistry society that’s the oldest in the world – Chemsoc was established in 1785 – our School has a strong legacy of collaboration, integration and support. This proved invaluable during the coronavirus pandemic, facilitating a quick and successful transition to an online working environment for lockdown.

“The School of Chemistry has been incredible in their response to the pandemic. They have been in constant communication through supportive and informative emails and web chats. The openness and transparency of staff has really made students feel comfortable and, even in isolation, included in the School community.”

Charlie Simms
Chemistry student

Saving the planet, one glove at a time

A pioneering recycling scheme has allowed the School to save more than one million pairs of disposable gloves from landfill.

The TerraCycle initiative, set up by manufacturing company Kimberly-Clark, has recycled more than 85 per cent of our glove waste – in excess of 15 tonnes – since we joined the scheme.

The School of Chemistry uses more than 200,000 pairs of gloves every year and the recycling effort represents a considerable reduction in waste. We were the first in Europe to join TerraCycle when we signed up in 2014 and the scheme’s success has sparked interest from other universities, the National Museum of Scotland, and the Scottish Environment Protection Agency.

Used gloves are collected every six to eight weeks for processing. They can be used to make raw materials, blended with recycled plastics to form a wood replacement composite used to manufacture furniture, or milled at low temperatures into a powder, which can be used for rubber flooring or ground covering for football pitches, athletic fields and tracks.

“We are proud of our recycling record. We use significant numbers of gloves to protect our staff and students from chemical compounds, but are fully committed to reducing the environmental impact.”

Professor Colin Pulham
Head of School of Chemistry



Protecting the NHS



A student startup company, co-founded by a chemistry alumna, scaled up to produce 120,000 pieces of Personal Protective Equipment (PPE) for the NHS during the coronavirus pandemic.

Augment Bionics, co-founded by MChem Chemistry 2019 alumna Elisabeth Feldstein while she was still studying, began life making innovative, affordable prosthetics. With rising UK demand, Augment's initial aim was to use high-end 3D printing to produce a smart and functional prosthesis for an NHS budget.

At the start of the pandemic, Augment reconnected with one of the GPs who helped guide the developing company. One of the first requests they received for PPE came from that GP and it led the company to a complete refocus.

Augment, which is staffed by University students and alumni, had the agility and passion to adapt the entire business to 3D printing face shields for NHS frontline workers. They raised more than £100,000 in donations to support the new venture, allowing them to rapidly increase production.

"It felt important that we all do our part to help out in any way. Giving back to our communities has always been at the heart of our technology. When we saw the stories of other companies and individuals helping healthcare workers, we knew that it was time for us to step up."

Elisabeth Feldstein
Chemistry alumna, co-founder of Augment Bionics

Edinburgh Innovations (EI), the University's commercialisation service, provides guidance and support to student entrepreneurs. It has helped launch more than 100 student startups in the last two years, including Augment Bionics. The company won EI's Business Ideas Competition and was runner up in their Social and Environment Award.



Cancer treatments and a mission to Mars

Our alumni put their chemistry qualifications to use in a wide range of careers worldwide and beyond.

Max Scherer, who graduated in 2017, is currently working for the European Space Agency in the Netherlands. As a Space Systems Engineer for the ExoMars mission, which will launch for the red planet in 2022, his role involves verification and testing of the spacecraft to ensure it will cope with the extremes of space.

He's also involved in the simulation of Rover operations on the surface of Mars, mission planning with the Rover Operations Control team. Max said: **“Working together with the project scientists who coordinate the science objectives is a great experience and allows me to have a foot in both the science and engineering camp.”**

Dr Clinton Veale, who graduated in 2010, received a 2020 FLAIR fellowship from the African Academy of Sciences and the Royal Society for his cancer treatment research. FLAIR Fellows receive funding to help African early career researchers develop into science leaders and address pressing global challenges affecting their home country.

Dr Veale's research, in which he works collaboratively with the University of Edinburgh, focuses on triple negative breast cancers, which disproportionately affect African women.

“I'm delighted to hear that Clint has been awarded the prestigious Royal Society FLAIR fellowship. This new funding will allow us to expand our ongoing collaborative research and facilitate research visits between the Universities of Edinburgh and KwaZulu-Natal over the next two years.”

Dr David Clarke
School of Chemistry



Enhancing employability

Our close links with the chemicals sector help ensure the industry-informed, real world relevance of our teaching and research and enhance the employability of our students. The Chemistry: Concept to Consumer initiative elevates that further, providing direct networking opportunities between students and potential employers.

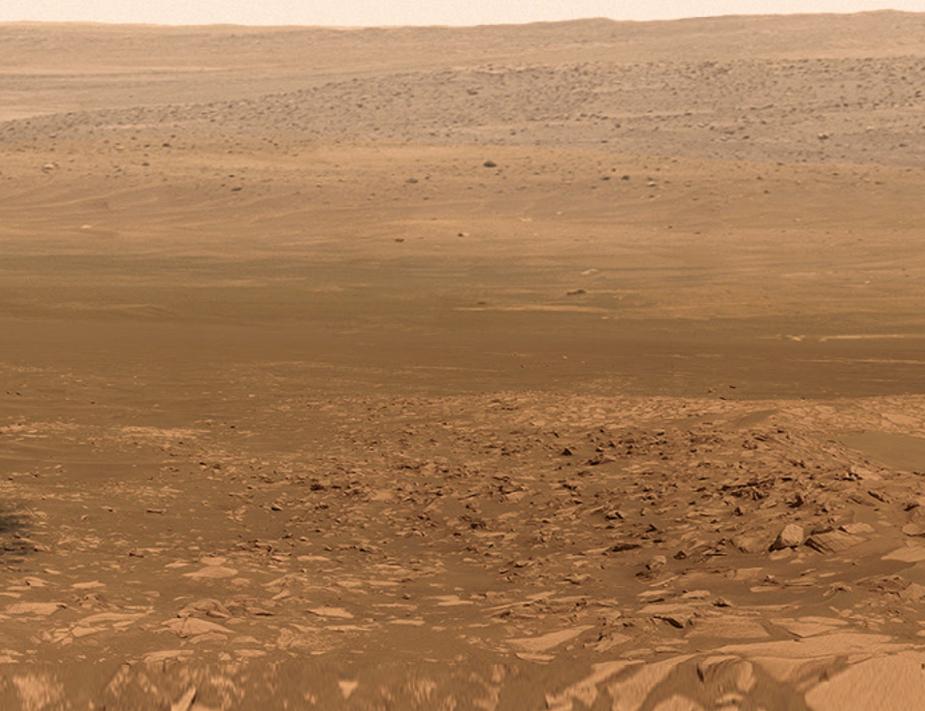
These hands-on practical skills workshops, run in conjunction with Skills Development Scotland, invite representatives from a wide range of employers in different areas of the chemicals sector on campus to work directly with students. Recent participants have included Sunamp, Charles River Laboratories, Reckitt Benckiser, Syngenta and Johnson Matthey, all of which provide opportunities for analytical chemists.

The workshops aim to highlight the breadth of roles open to chemistry graduates and give students valuable experience and first-hand insights into life at a large multinational.

“These employer-led workshops are a fantastic way for students to gain an insight into the range of careers available in the chemical industry. Through this experiential learning, they also develop their teamworking, problem solving and communication skills.”

Dr Deborah Fowlis
School of Chemistry Careers Consultant

Find out more: www.chem.ed.ac.uk/studying/masters/concept-consumer



Our teaching

Our taught Master of Science (MSc) programmes last 12 months, consisting of two semesters of taught courses followed by an individual supervised research project and dissertation.

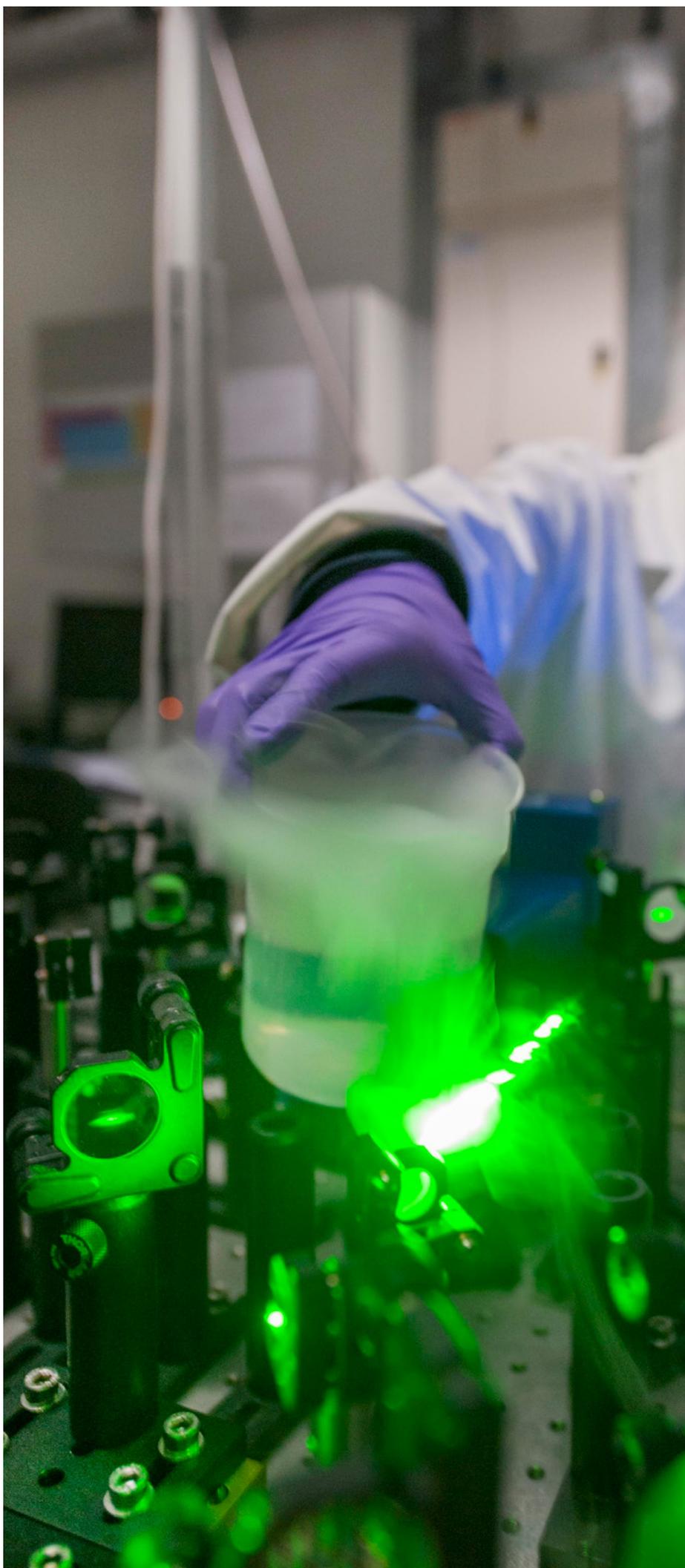
At the time of printing, our planned taught degrees for 2021 are:

- **Materials Chemistry** (MSc)
- **Medicinal & Biological Chemistry** (MSc)

Please check our online degree finder for the most up-to-date information available on our taught postgraduate opportunities and to make an application: www.ed.ac.uk/postgraduate/degrees

“My time as a student was a period of immense creativity and opportunity... not just with respect to the quality of teaching, research and access to state-of-the-art instrumentation, but through discussion with researchers, new and experienced.”

Clinton Veale
MSc Medicinal & Biological Chemistry



Facilities and resources

Our facilities are among the best in the world, offering an outstanding range of capabilities. You'll be working in modern laboratories that meet the highest possible standards, packed with state-of-the-art equipment for both analysis and synthesis.

We offer on-site services ranging from full-time glassblowing and electronics workshops to video conferencing and computer research support.

We have close links with the Edinburgh Parallel Computing Centre, whose Europe-leading supercomputing capabilities contribute to put us at the forefront of computational chemistry.

Make it, test it

You will have access to facilities for the synthesis and characterisation at ambient and extreme conditions of organic and inorganic compounds, including those with application in homogeneous catalysis, nanotechnology, supramolecular chemistry, drug discovery and ligand design. The development of innovative synthetic and characterisation methodologies is a key feature of our work, using the latest techniques and technology.

A 1,000-tonne pressure chamber enables the synthesis of materials at high pressures and temperatures. Fluorescence spectroscopy and microscopy instruments are available within our Collaborative Optical Spectroscopy Micromanipulation & Imaging Centre (COSMIC).

We have excellent facilities for creating and analysing biomolecules, which include advanced mass spectrometry, NMR stopped-flow spectrometers, electron paramagnetic resonance spectroscopy, high-performance liquid chromatography, fast protein liquid chromatography and atomic absorption spectroscopy.

High-specification hardware

For NMR in the solution and solid state, we have 10 spectrometers at field strengths from 200 MHz to 800 MHz. Our mass spectrometry resource has a 12T FT-ICR mass spectrometer for routine mass analysis and we have expertise in mass spectrometry imaging and ion mobility mass spectrometry. New combinatorial chemistry laboratories are available, equipped with a modern fermentation unit.

World-class facilities are available for small molecule and macromolecular X-ray diffraction, utilising both single crystal and powder methods. Application of diffraction methods at high pressures is a particular strength of ours, and we enjoy strong links to central facilities for neutron, muon and synchrotron science in the UK and further afield.

Also available are instruments for magnetic and electronic characterisation of materials (SQUID), electron microscopy (SEM, TEM), force-probe microscopy, and high-resolution FT-Raman, Fourier Transform infrared, and X-ray photoelectron spectroscopy.



Research opportunities

The School of Chemistry's vibrant research community is divided into four specialist disciplines. With considerable overlap between these, you will find many research opportunities to fit your interests: www.ed.ac.uk/pg/16

There are opportunities to pursue research through the following routes:

- PhD three years (minimum) full-time (six years part-time for UK students only)
- MSc by Research one year full-time

PhD

As a PhD candidate you pursue a research project under continuous guidance, resulting in a thesis that makes an original contribution to knowledge. You will gain specialist background knowledge for your intended research, and develop the skills to research in that field. The majority of our recent graduates have gone into research scientist roles in academia or industry. Others found industry employment with companies such as Johnson & Johnson, Charnwood Molecular and Sociable Pharma, in roles such as process development chemist, clinical scientist, technical analyst and project manager.

Centres for Doctoral Training

The School is both leading and involved in many Centres for Doctoral Training funded by UK research councils, industry and the UK government. Applications for these PhD studentships often require the support of a PhD supervisor who is partnered with a particular training centre. Please note that in the majority of cases, eligibility is restricted to UK or EU nationals, and annual application deadlines apply.

- SOFI2 – Soft Matter and Functional Interfaces: www.dur.ac.uk/soft.matter/soficdt
- NERC E4: www.ed.ac.uk/e4-dtp
- EastBIO: www.eastscotbiotdp.ac.uk

MSc by Research

An MSc by Research, which takes one year, is based on a research project tailored to your interests. The project is a shorter alternative to a PhD and also a precursor to the PhD programme, with an MSc project potentially expanding into doctorate work as it evolves.

Research areas

The chemistry/biology interface

This is a broad area, with particular strengths in protein structure and function, mechanistic enzymology, proteomics, peptide and protein synthesis, protein folding, recombinant and synthetic DNA methodology, biologically targeted synthesis and the application of high throughput and combinatorial approaches. We also focus on biophysical chemistry, the development and application of physicochemical techniques to biological systems. This includes mass spectrometry, advanced spectroscopy and microscopy, as applied to proteins, enzymes, DNA, membranes and biosensors.

Experimental and theoretical physical chemistry

This is the fundamental study of molecular properties and processes. Areas of expertise include probing molecular structure in the gas phase, clusters and nanoparticles, the development and application of physicochemical techniques such as mass spectroscopy to molecular systems, and the EaStCHEM surface science group, whose members study complex molecules on surfaces, probing the structure-property relationships employed in heterogeneous catalysis. World-class computational facilities including teraflop capability are available through EaStCHEM Research Computing.

Synthesis and catalysis

This research area encompasses the synthesis and characterisation of organic and inorganic compounds, including those with application in homogeneous catalysis, nanotechnology, coordination chemistry, ligand design and supramolecular chemistry, asymmetric catalysis, heterocyclic chemistry and the development of synthetic methods and strategies leading to the synthesis of biologically important molecules (including drug discovery). The development of innovative synthetic and characterisation methodologies (particularly in structural chemistry) is a key feature, and we specialise in structural chemistry at extremely high pressures.



Explore our latest, fully funded studentships: www.chem.ed.ac.uk/studying/postgraduate-research/studentships

The University is piloting PhDs by online learning. Contact us if you're interested in studying with us this way, we're keen to investigate possibilities in some of our areas of research.

Case study

Edinburgh's research with impact

Protecting the population from air pollution

Materials chemistry

The EaStCHEM materials group is one of the largest in the UK. Areas of strength include: sustainable polymer synthesis and catalysis; functional (for example, magnetic, superconducting and electronic) materials; strongly correlated electronic materials, battery and fuel cell materials and devices; porous solids; fundamental and applied electrochemistry polymer microarray technologies; and technique development for materials and nanomaterials analysis.

Find out more

Please check our online degree finder for the most up-to-date information available on our postgraduate research opportunities and to make an application.

Research degree index: www.ed.ac.uk/studying/postgraduate/degrees/research

PhD research projects: www.ed.ac.uk/studying/phd-research-projects

Advice on finding a research supervisor: www.ed.ac.uk/studying/postgraduate/research

Up to 30 per cent of the EU urban population is estimated to be exposed to pollutant levels greater than the EU-specified limit. Air pollution is the environmental factor with the greatest impact on human health in Europe. Professor Mathew Heal of the EaStCHEM School of Chemistry has been leading a programme of pollution research on the three most important air pollutants – particulate matter, ozone and nitrogen dioxide – for 20 years, contributing valuable findings that are changing the way the world protects itself from the effects of pollution.

Project background

Exposure to particulate matter alone is estimated to reduce average life expectancy in the UK by six months, with estimated costs of £9bn–20bn a year. The group led by Professor Heal recognised the importance of detecting particulate matter and other airborne pollutants, and set about analysing current prescribed air quality assessment methods. As well as finding that these systems are subject to inaccuracies, they researched and defined optimal methods for new, more accurate and reliable measurements.

Professor Heal's group research also showed how atmospheric models can simulate current ozone concentrations with high spatial resolution and predict future concentrations, as well as regional hospital admissions and deaths resulting from a range of future emissions and climate change scenarios.

Project results

The findings from Professor Heal and his team have been groundbreaking and have contributed evidence for the formulation of government policies, informing UK national guidance and policy-evidence documents for the Department for Environment, Food and Rural Affairs (Defra), the Health Protection Agency, and the UK's environment agencies. The more accurate and reliable methods originating from the Edinburgh team are now incorporated into protocols applied to measurements of nitrogen dioxide for statutory air quality assessments in all urban areas in the UK.

See also...

Closely related taught and research degrees are offered elsewhere across the University, particularly the College of Medicine & Veterinary Medicine and the Schools of Biological Sciences, Engineering, GeoSciences, and Physics & Astronomy. www.ed.ac.uk/studying/prospectus-request

The findings from Professor Heal and his team have been groundbreaking and have contributed evidence for the formulation of government policies...

See more online: www.ed.ac.uk/research/impact

Funding

A large number of scholarships, loans and other funding schemes are available for your postgraduate studies. It is only possible to show a small selection in print. To see the full range, please visit: www.ed.ac.uk/student-funding/postgraduate

Awards are offered by the School of Chemistry, the College of Science & Engineering, the University of Edinburgh, the Scottish, UK and international governments and many funding bodies. Here we list a selection of potential sources of financial support for postgraduate students applying to the School of Chemistry. This list was correct at the time of printing but please check the full and up-to-date range online (see above).

University of Edinburgh Alumni Scholarships

We offer a 10 per cent scholarship towards postgraduate fees to all alumni who graduated from the University as an undergraduate, and to all students who spent at least one semester studying at the University on a visiting programme: www.ed.ac.uk/student-funding/alumni-scholarships

Key

- Taught masters degrees
- Masters by Research degrees
- Research degrees

Scholarships at the University of Edinburgh

• Chemistry Tercentenary International Masters Scholarship Options ●

For information on the scholarship options available to overseas applicants, including EU applicants, starting a full-time taught MSc programme at the School of Chemistry: www.ed.ac.uk/student-funding/tercentenary-masters

• China Scholarships Council/University of Edinburgh Scholarships (China) ●

A number of scholarships for PhD study available to candidates who are citizens and residents of China. Participating schools to be confirmed: www.ed.ac.uk/student-funding/china-council

• Principal's Career Development PhD Scholarships ●

These prestigious scholarships give access to any applicant from around the world to undertake discipline training and additional skills development. Students are encouraged to engage with entrepreneurial training, teaching, outreach and industrial engagement. Each award covers the tuition fee and full stipend: www.ed.ac.uk/student-funding/development

• School of Chemistry Research Studentships ●

Approximately 30 research studentships available to new postgraduate research students: www.chem.ed.ac.uk/studying/postgraduate-research/studentships

Research council awards

Research councils offer awards to eligible masters and PhD students in most of the Schools within the University of Edinburgh. All studentship applications from the research councils must be made through the University, through your School or College office. Please check the eligibility criteria for each opportunity online: www.ed.ac.uk/student-funding/research-councils

Loans available for study at the University of Edinburgh

The University of Edinburgh is a participating institution in the following loans programmes, meaning we certify your student status and can help with the application process.

• The Canada Student Loans Program ●●●

The University is eligible to certify Canadian student loan applications: www.ed.ac.uk/student-funding/canadian-loans

• Postgraduate Doctoral Loans England ●

Student Finance England offers postgraduate loans for doctoral study, payable to eligible students and divided equally across each year of the doctoral programme: www.gov.uk/doctoral-loan

• Postgraduate Doctoral Loans Wales ●

Student Finance Wales offers loans for postgraduate doctoral study, payable to eligible students, divided equally across each year of the doctoral programme: www.studentfinancewales.co.uk/postgraduate-students/postgraduate-doctoral-loan

• Postgraduate Loans (PGL) England ●●

Student Finance England offers postgraduate loans for taught and research masters programmes, payable to eligible students: www.gov.uk/postgraduate-loan

• Postgraduate Loans (PGL) Northern Ireland ●●

Student Finance Northern Ireland offers eligible students a tuition fee loan for taught and research programmes, at certificate, diploma, and masters level, which will be paid directly to the University: www.studentfinancenir.co.uk

• Postgraduate Loans (SAAS) ●●

The Student Awards Agency Scotland offers eligible students tuition fee loans for taught and research programmes at diploma and masters level, which will be paid directly to the University. Eligible students can also apply for a non-income assessed living cost loan: www.saas.gov.uk

- **Postgraduate Master's Finance Wales** ●●

Student Finance Wales offers eligible students postgraduate finance for taught and research masters programmes: www.studentfinancewales.co.uk

- **US Student Loans** ●●●

The University is eligible to certify loan applications for US loan students. Full details on eligibility and how to apply can be found online: www.ed.ac.uk/student-funding/us-loans

Other sources of funding

The following are examples of the many scholarships and support schemes available to students from particular countries who meet certain eligibility criteria.

- **Chevening Scholarships** ●●

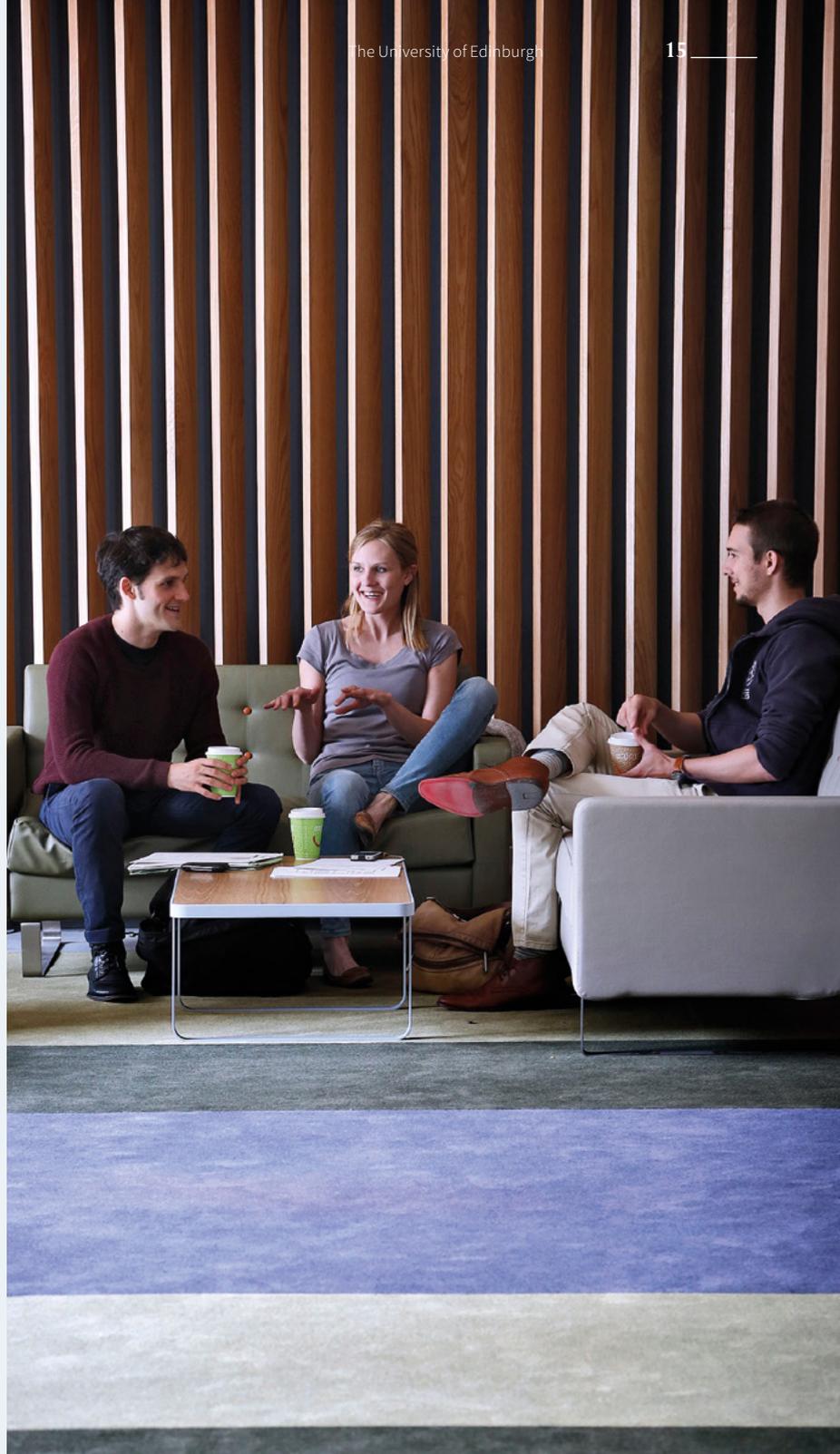
A number of partial and full funding scholarships are available to one-year masters students: www.chevening.org

- **Commonwealth Scholarships** ●●●

Scholarships available to students who are resident in any Commonwealth country, other than the UK: www.dfid.gov.uk/cscuk

- **Marshall Scholarships (USA)** ●●●

Scholarships available to outstanding US students wishing to study at any UK university for at least two years: www.marshallscholarship.org



“The Scottish Government’s initiative to attract international students through the Saltire Scholarship Scheme, as well as the University of Edinburgh’s help and support for international students, has helped provide me with an opportunity that I would never have conceived of prior to starting my studies at Edinburgh.”

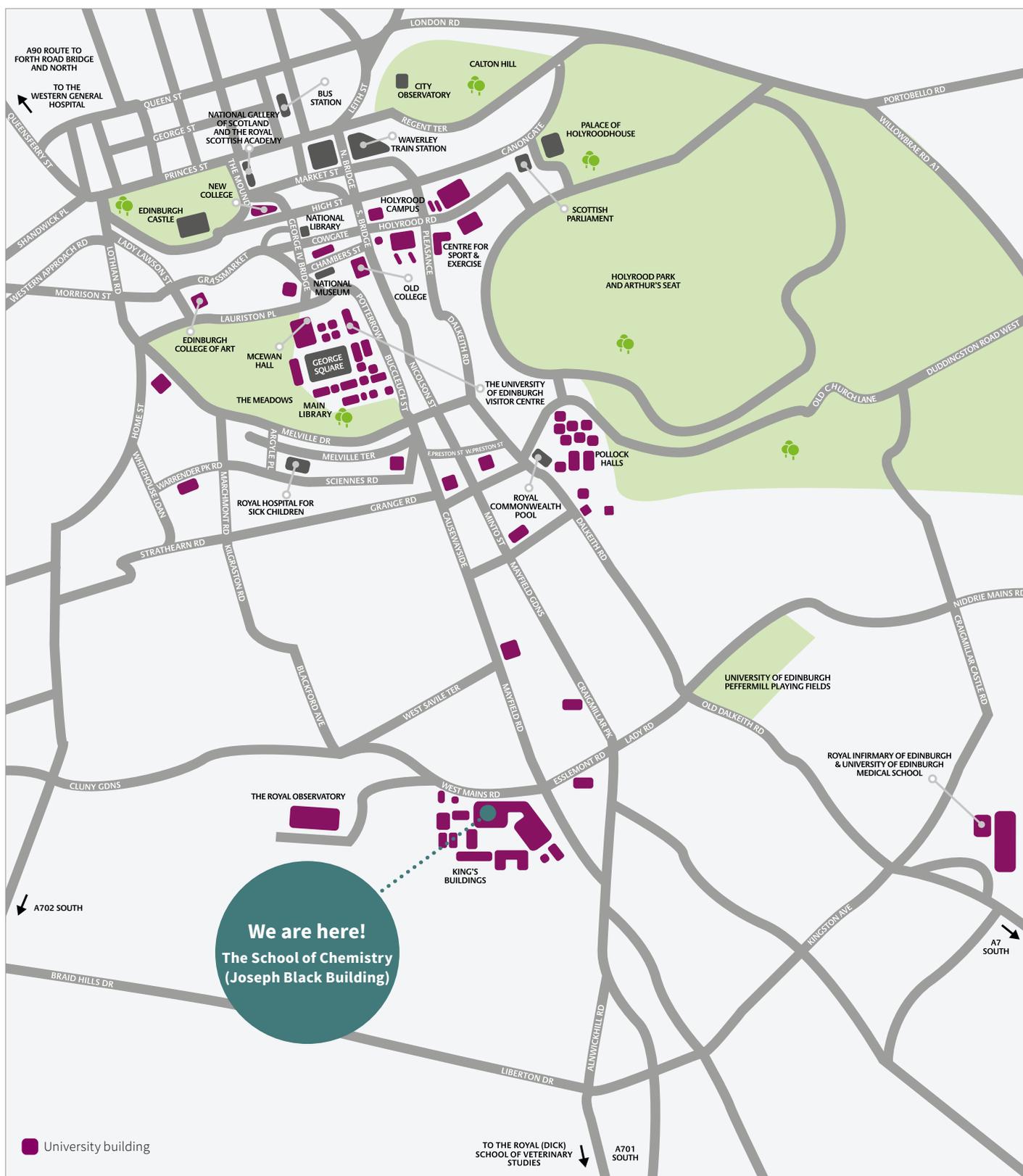
Robert Starr
MSc High Performance Computing, Scotland’s Saltire Scholarship

Where we are

The School of Chemistry is based in the Joseph Black Building on the King's Buildings campus. The campus is around two miles from Edinburgh city centre and is well served by buses.



Detailed maps
can be found at:
www.ed.ac.uk/maps



What's next?

Contact us

For more information about taught MSc degrees, please contact:

Sam Brown

Chemistry Teaching Office Manager

Tel +44 (0)131 651 7257

Email chemistry.pgt@ed.ac.uk

For more information about the application and admissions process for taught MSc programmes, contact:

College of Science & Engineering Recruitment and Admissions Team

Tel: +44 (0)131 650 5737

www.ed.ac.uk/science-engineering/contact/ug-pgt-enquiries

For more information about our doctorate programmes, please contact the Postgraduate Administrator:

Gill Law

Email chemistry.gradschool@ed.ac.uk

To discuss your PhD proposal, you should identify potential supervisors. A full list of academic staff contact details can be found at: www.chem.ed.ac.uk/staff/academic-staff

School of Chemistry

Joseph Black Building

David Brewster Road

King's Buildings

Edinburgh EH9 3FJ

Tel +44 (0)131 650 7546

Fax +44 (0)131 650 6453

Find out more

We offer many opportunities for you find out more about the University, including Online Information Sessions to access from the comfort of your own home and Open Days you can attend online or, when possible, in person. Find out what event we're hosting next:

www.ed.ac.uk/visit/open-days

The School of Chemistry welcomes prospective postgraduate students when possible, so get in touch if you would like to arrange your own visit.

Virtual Visit

Can't visit Edinburgh in person? Our Virtual Visit allows you to virtually explore the University and the city. View a range of videos, 360° photos and image galleries to find out what it is like to live and study here:

www.virtual-visit.ed.ac.uk

Chat online

Wherever you are in the world, we offer you opportunities to get in touch and speak directly to us about studying here.

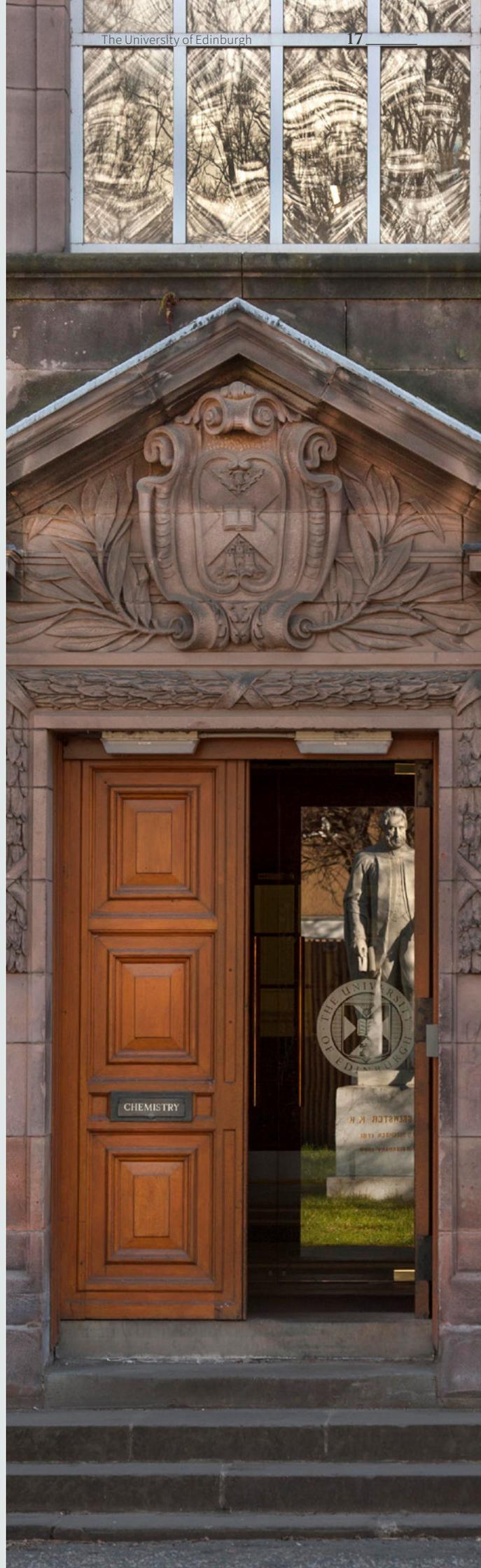
We offer all postgraduate students online information sessions.

To find out more and see when the next session will be:

www.ed.ac.uk/postgraduate/online-events

Our visits to you

If you are unable to visit the University, we attend events worldwide whenever possible during the year. Find out about your next opportunity to speak to us in person: www.ed.ac.uk/postgraduate/meet-us



We know these are uncertain times but at the University of Edinburgh your safety is our priority. We hope to welcome you on campus and are committed to ensuring you're taught as safely as possible during the pandemic. To find out about the steps we're taking, in line with Scottish Government guidance, visit: www.ed.ac.uk/news/covid-19

Published by:

Communications and Marketing, The University of Edinburgh

Designed by:

Parkhouse

Photography by:

Paul Dodds

Shutterstock

Douglas Robertson

German Soto

Getty Images

This publication is available online at www.ed.ac.uk/postgraduate and can be made available in alternative formats on request. Please contact communications.office@ed.ac.uk or call +44 (0)131 650 2252.

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The UK formally left the European Union (EU) on 31st January 2020. UK and Scottish Governments have confirmed that most non-EU students commencing study in 2021/22 will no longer be treated as 'home' students in relation to fee status or access to funding. Final fee regulations are not yet available but are expected to clarify fee status for those with settled status and for Irish citizens (under the Common Travel Agreement). For the latest information for students and applicants from the EU, please visit our website: www.ed.ac.uk/news/eu

The University's standard terms and conditions will form an essential part of any contract between the University of Edinburgh and any student offered a place here. Our full terms and conditions are available online: www.ed.ac.uk/student-recruitment/terms-conditions

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Chemistry

“This is where I formed life-lasting friendships, with people from all across the world. The incredibly diverse and international atmosphere is what makes the University of Edinburgh such an amazing place to be!”

Sara Schmidt,
PhD Chemistry

Open to
the world