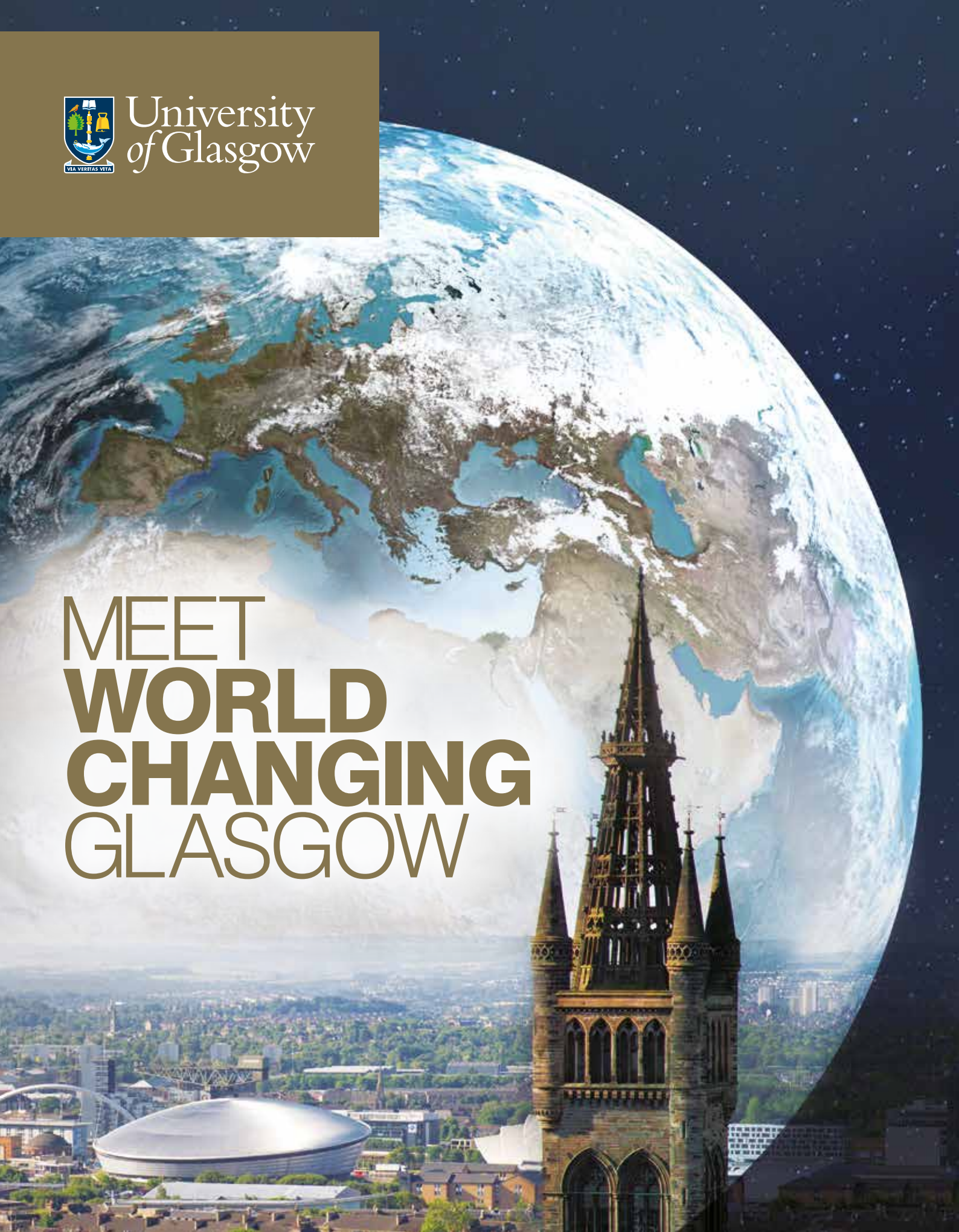




University
of Glasgow

MEET WORLD CHANGING GLASGOW



MEET GLASGOW

OUR PEOPLE HAVE ALWAYS BEEN AT THE FOREFRONT OF INNOVATION.

James Watt gave power to the industrial revolution. Adam Smith laid the foundations of modern economics. Ian Donald showed us the first ultrasound image of a foetus. Jocelyn Bell Burnell discovered radio pulsars.

Today, our inspiring people continue to change the world for the better. Our six crossdisciplinary areas of world-class research are shining examples of what we do best at Glasgow, each one combining a drive for pushing the boundaries of knowledge with a commitment to making a positive impact on the world:

- addressing inequalities
- cultural & creative economies
- precision medicine & chronic diseases
- one health
- future life
- the nano & quantum world.

Changing the world is not only about making discoveries and creating new technologies. Informed leaders, creative thinkers and bold business minds have honed their skills at Glasgow. The talents of some of the UK's most influential political figures have been nurtured here. Award-winning writers have developed their craft. Human rights activists have gained their voice.

We are a place where the synergy between our research and teaching inspires ambitious people to succeed. A place where inquiring minds can develop their ideas. A place where talented people are given the space to realise their dreams.

Most importantly, we are open to the world. Our doors are open to the brightest minds, regardless of background, who wish to study at university. We are open to collaboration and the exchange of knowledge with other universities, government and business.

To continue to be a world-class and progressive university, we are dedicated to bringing inspiring people together to change the world.

ESTABLISHED IN

1451

81% OF OUR
RESEARCH
JUDGED TO BE
INTERNATIONALLY
EXCELLENT

REF 2014

4TH IN THE
RUSSELL
GROUP
FOR **TEACHING**

NSS 2017

SEVEN
NOBEL
LAUREATES
CONNECTED TO
THE UNIVERSITY

RANKED IN THE
TOP 100
OF THE WORLD'S
UNIVERSITIES

QS WORLD UNIVERSITY
RANKINGS 2018

LEVELLING THE FIELD

WE ARE WORKING TO ADDRESS INEQUALITY, DEPRIVATION AND MARGINALISATION AROUND THE WORLD.

Tackling entrenched inequalities is a global challenge. At Glasgow, we recognise that a one-size-fits-all answer does not exist. We work with communities, governments and international organisations to understand and address the processes that generate inequalities and their profound effects on individuals, communities and populations across the world.

Our research informs policy and practice. Our innovative UK Collaborative Centre for Housing Evidence is a major consortium of 13 expert partner organisations, led by Glasgow. It will advance knowledge of the housing market and produce robust evidence to influence and improve housing policy across the UK.

We are also investigating the impact that investment in housing, regeneration and neighbourhood renewal has on the health and wellbeing of individuals, families and communities.

Our internationally recognised network for refugees, asylum and migration research brings together practitioners, government ministers, NGOs and policymakers. We work to promote knowledge exchange, build capacity and develop strong and active collaborative research links, and we have established Glasgow as one of the leading centres for integrated research in this field.

Our researchers work with local and national governments to develop and assess policies to reduce health inequalities. This work is now influencing urban planning and development, with the long-term aim of changing people's environments and reducing health inequalities.

Our goal is to support real world change so that everyone can fulfil their potential, irrespective of who they are or where they come from.





SHAPING OUR CREATIVE FUTURE

OUR RESEARCH IMPACTS ON THE GLOBAL CULTURAL AND CREATIVE ECONOMY.

Creative industries are a crucial part of the economy of cities, generating revenue and employment opportunities at a level that outstrips other sectors. Glasgow has a reputation for cultural vibrancy and engagement, with collections that attract more visitors than any other city outside London.

Our partnership with Glasgow Life and the National Library of Scotland has transformed one of the city's iconic buildings, Kelvin Hall, and reinvented it for the future as a cultural centre of excellence in research, heritage, public engagement, sport and commercial activities. Access to our world-class collections for teaching and research has been greatly improved, with more than 1.5 million items brought out of storage.

Our international research centre CREATE, which specialises in copyright and information law, focuses on innovation in the creative economy. CREATE's core concern is the future of creative production, and in particular the relationship between law and digital innovation.

Our Centre for Cultural Policy is renowned internationally for its rigorous, high-impact research into media, communications and cultural policy. Its researchers, who have strong links

with media and cultural industries and policy-making communities, provide highly respected critical analyses that contribute to public debate and inform policy development throughout the world.

We are developing digital methods to enhance research. Our *Historical Thesaurus of English* was integrated into the online *Oxford English Dictionary* and work on the second edition is underway, using new digital processes to update our evidence for the past. The thesaurus has won a Queen's Anniversary Prize for Higher Education, the highest accolade for any academic institution, for its world-leading research into the English language.

Our collaborations with prestigious arts institutions such as the Smithsonian in Washington have helped to build stronger links for knowledge exchange and greater learning opportunities for all of our communities.

WE USE THE PAST TO ENGAGE COMMUNITIES AND INSPIRE THE FUTURE. OUR RESEARCH ENGAGES, INFORMS AND CONNECTS THE PUBLIC AND POLICYMAKERS WITH THEIR HERITAGE.

A PERSONAL APPROACH

WE ARE PIONEERING NEW TREATMENTS AND PRECISION DIAGNOSTICS FOR CHRONIC DISEASES.

CHRONIC DISEASES, SUCH AS HEART DISEASE, STROKE, CANCER AND DIABETES, **ACCOUNT FOR 70% OF ALL DEATHS GLOBALLY.**

Responding to the increasing prevalence of chronic diseases is a global challenge. At Glasgow, our world-leading biomedical researchers are at the forefront of new developments to treat diseases such as cancer, diabetes and arthritis.

Scotland has a high incidence of chronic diseases, impacting on the population's quality of life and increasing costs to the NHS. However, by using cutting-edge molecular technologies, we can now tailor treatments to patients' individual needs – reducing costs and improving treatment outcomes across a wide range of conditions.

This revolutionary approach, called precision (or stratified) medicine, is already having a transformative effect on healthcare, driving innovation and economic benefits for healthcare providers, the pharmaceutical industry and the medical technologies supply chain.

We have established a world-leading biomedical innovation cluster at the

Queen Elizabeth University Hospital in Glasgow, the Clinical Innovation Zone, which is attracting companies at the forefront of precision medicine, including MR CoilTech from Germany and BioClavis from California.

The University leads the Scotland-wide Stratified Medicine Innovation Centre, a consortium comprising four Scottish universities, NHS Scotland, the global biotechnology company Thermo Fisher Scientific, and a Scottish bioinformatics company, Aridhia Informatics.

We offer dedicated space for companies to engage with academic and NHS experts to drive clinical innovation and breakthroughs in precision medicine. Facilities include the Imaging Centre of Excellence, a £32m facility which incorporates Scotland's only 7T MRI scanner – the first of its kind integrated within a clinical site in the UK.

Glasgow is now one of the foremost locations in the world to pursue advances in precision medicine.

WELLBEING FOR THE WORLD

GLASGOW IS AN INTERNATIONAL LEADER
IN ONE HEALTH RESEARCH.

Our health and wellbeing is tightly interwoven with the health of animals and the environment around us. Through an integrated “one health” approach our researchers consider the biological, social, economic, political and environmental contexts surrounding human and animal health.

Our experts are tackling some of the world’s most devastating diseases, including rabies, Zika and malaria.

Our interdisciplinary collaborations have made a significant impact on key national and global health agendas. We work across the Global South with a focus on sub-Saharan Africa, as well as in Scotland and the rest of the UK.

We have launched a unique joint healthcare project to compare and assess communities in Malawi and Scotland. The results of the research will be of mutual benefit and used to inform research into Glasgow’s chronic health problems and improve healthcare in Malawi.

In Tanzania and Kenya our researchers have directly influenced decisions made by government health and veterinary authorities. Our success is made possible through our collaborations with international organisations, government health and veterinary ministries, and by direct operational training of veterinary and medical officers.

We use our expertise to devise practical strategies, influence policy and work with communities to reduce the burden of disease around the world.

Our research into rabies eradication has been acknowledged on a global level, we have developed a new tool for malaria mosquito surveillance to help improve disease control, and in Brazil we are working with partners and investigating treatments for Zika virus infections.

Through sharing our research expertise we are devising practical strategies and influencing policy, working to overcome global health challenges.

THE FUTURE IS NOW

WE ARE EXPLORING THE ORIGINS OF LIFE,
RESEARCHING INTELLIGENCE AND COGNITION,
AND DEVELOPING NEW TECHNOLOGIES TO
PREDICT AND TREAT DISEASE.

Our research brings together groups from complex chemical systems, biomaterials and stem cell engineering, neuroscience, psychology and medical technologies.

We are creating ways to reverse-engineer human cognitive processes — where, when and how specific information is processed — from complex brain activity. These formal models could then be implanted into neuro-circuits, human avatars and robots, giving them human-like flexible cognitive abilities.

We are exploring the digital control of chemical reactions using robotic systems, allowing us to investigate complex chemical processes. This approach not only enhances the efficiency with which we can discover novel chemistry, but also promises to rewrite the rules of chemical synthesis.

Our novel diagnostic solutions are helping to eliminate infectious diseases, particularly in sub-Saharan Africa. A new

paper-based, low-cost DNA sensor is being used to detect levels of infection in remote, under-served, rural communities. The technology is extremely sensitive, providing early detection of infection often before patients show symptoms, so providing early treatment of disease.

We have developed a revolutionary technique to promote bone regeneration using a polymer which helps stimulate growth factors – molecules that orchestrate development and, if harnessed correctly, can drive regeneration. By coating materials such as hip implants, bone grafts or spinal cages in a thin layer of this polymer, we can encourage bone regeneration targeted on the areas where it is required.

By understanding the limits of the processes of current biology, we will develop advanced healthcare technologies that can have a positive impact on people's quality of life and life expectancy.

SIZE MATTERS

WE ARE TRANSFORMING NANO AND QUANTUM SCIENCE INTO REVOLUTIONARY TECHNOLOGIES FOR A BETTER WORLD.

At Glasgow, we understand science from the tiniest scales of subatomic particles to the vast stretches of the distant Universe.

We are international leaders in nano and quantum science and have received significant investments that recognise our position in the field and allow us to pioneer new sensor systems for industry.

The University was a key contributor to the historic discovery of gravitational waves and is now developing the next generation of detectors to advance our knowledge further. We are producing single-photon visible and infrared cameras of unprecedented sensitivity, as well as small but powerful gravity-measuring devices.

Our innovation centre, CENSIS, is fostering collaboration between university researchers and industry innovators.

The University leads QuantIC, the UK's Quantum Technology Hub in Quantum Enhanced Imaging, and one of the UK's four Quantum Technology hubs which are benefiting from a £270m UK government investment. QuantIC works in partnership with industry to pioneer new imaging systems and create new possibilities in sensing, such as a single-pixel camera capable of visualising gas leaks.

We are also members of the prestigious international Max-Planck Partnership in Measurement & Observation at the Quantum Limit.

Our state-of-the-art James Watt Nanofabrication Centre (JWNC) is a world-leading facility housing over £32m of nanotechnology tools. In terms of equipment, the toolset at JWNC is more complete and diverse than in any other UK laboratory. Working in partnership with Kelvin Nanotechnology, one of our most successful companies, JWNC has provided technology solutions to over 300 companies in 28 countries in the last five years and worked with over 90 universities globally.

With our world-class research strength, innovation infrastructure and quantum-related companies, the future is looking bright at Glasgow for exploring the huge possibilities of nano science and quantum technology.

WORLD CHANGING GLASGOW

OUR PEOPLE HAVE ALWAYS BEEN AT THE FOREFRONT OF INNOVATION AND OUR PAST ACHIEVEMENTS INSPIRE OUR CURRENT WORLD CHANGERS.

1451

THE UNIVERSITY IS ESTABLISHED

1848

LORD KELVIN PROPOSES AN ABSOLUTE SCALE OF TEMPERATURE, NOW CALLED THE KELVIN SCALE

1894

MARION GILCHRIST IS THE FIRST WOMAN IN SCOTLAND TO GRADUATE IN MEDICINE

1913

NOBEL PRIZEWINNER **FREDERICK SODDY** DISCOVERS ISOTOPES

1958

IAN DONALD SHOWS US THE FIRST ULTRASOUND IMAGE OF A FOETUS

1974

GRAHAM TEASDALE AND **BRYAN JENNETT** CREATE THE GLASGOW COMA SCALE

2004

EDWIN MORGAN BECOMES SCOTLAND'S FIRST NATIONAL POET

1776

ADAM SMITH PUBLISHES *THE WEALTH OF NATIONS*

1867

JOSEPH LISTER INTRODUCES ANTISEPTIC IN SURGERY

1896

JOHN MACINTYRE OPENS THE WORLD'S FIRST X-RAY DEPARTMENT

1926

JOHN LOGIE BAIRD INVENTS TELEVISION

1967

JOCELYN BELL BURNELL DISCOVERS RADIO PULSARS

1999

DONALD DEWAR BECOMES THE INAUGURAL FIRST MINISTER OF SCOTLAND

2015

SHEILA ROWAN LEADS THE GLASGOW TEAM THAT FIRST DETECTED GRAVITATIONAL WAVES

CONNECTING GLOBALLY

39,000 ALUMNI
ARE LIVING IN 177
COUNTRIES OUTSIDE
OF THE UK

OVER **900** DEGREES
AWARDED TO STUDENTS
AT THE UNIVERSITY OF
GLASGOW SINGAPORE,
OUR FIRST SUBSIDIARY
OUTSIDE OF SCOTLAND

26,000 STUDENTS
FROM 140 COUNTRIES

OVER **1,200** STUDENTS
IN CHINA STUDYING JOINT
DEGREES WITH NANKAI
UNIVERSITY AND UESTC

WE ARE CONTINUING OUR TRADITION
OF WORLD-CHANGING SCHOLARSHIP
BY WORKING IN PARTNERSHIP WITH
OTHERS ACROSS THE GLOBE.

The University has often been the starting point for significant journeys of discovery and collaboration. For over five centuries we've inspired people who have gone on to shape other great educational institutions around the world – and we maintain strong relationships with many of these institutions to this day.

Through our strategic university partnerships, research collaborations, joint degrees, and student exchange and study abroad programmes we are creating the opportunity for the sharing of knowledge and new ways for learning.

Strategic partnerships with the Universities of Columbia, Hong Kong, McGill and Sydney bring our inspiring people together, while unique partnerships with the Singapore Institute of Technology, Nankai University and

the University of Electronic Science & Technology of China (UESTC) mean that we continue to extend our global footprint through innovative transnational education.

We currently have 420 study abroad and exchange partners. Our students are more internationally mobile than ever before, while we work hard to internationalise the experience of gaining a Glasgow degree for all of our students.

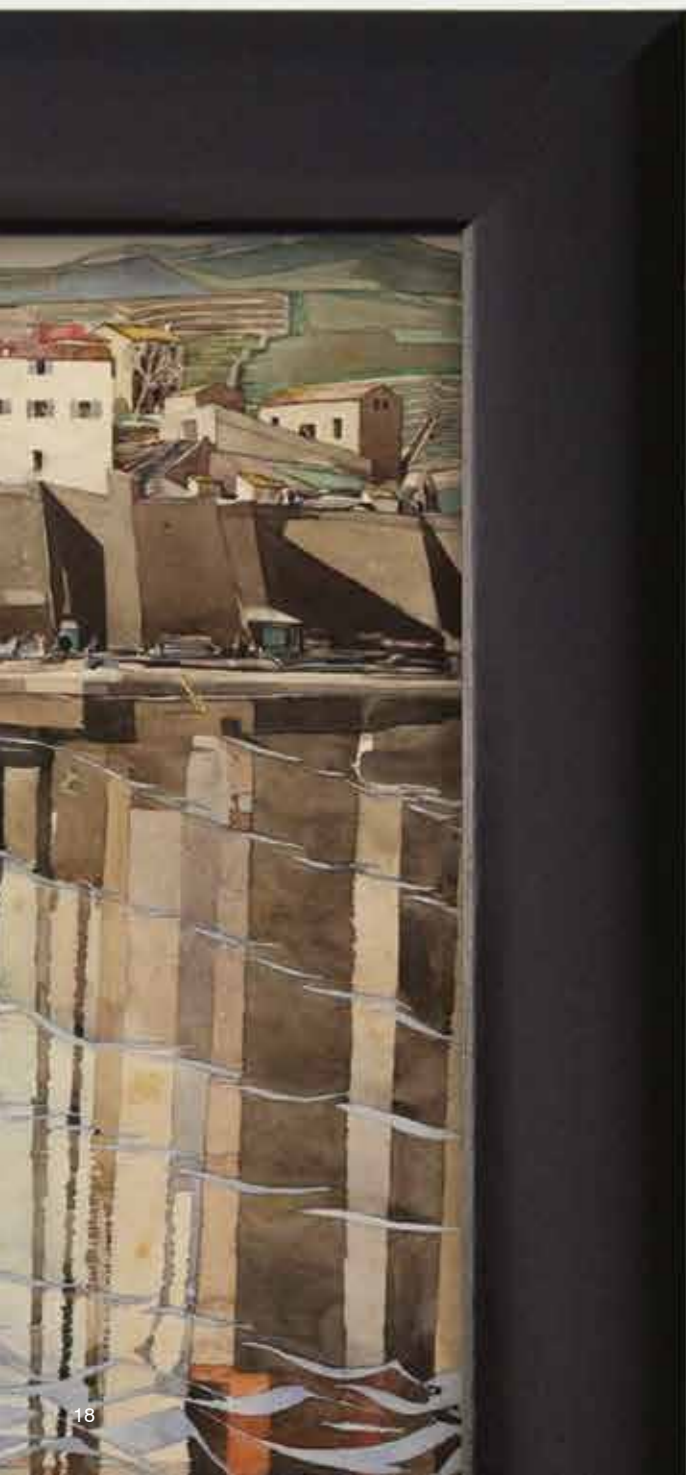
We are proud to be founding members of the university networks Universitas 21 and The Guild of European Research Intensive Universities, which are growing our international reputation and reach and providing a platform for engaging in new collaborations and influencing sector-wide policy.

We have invested heavily to help new international partnerships to flourish, and in 2017 the *Times Higher Education* World University Rankings placed the University in the top 20 of the world's most international universities, as a result of the proportion of international staff and students, and research papers published with at least one co-author from another country.

The best institutions in the world are those that are deemed truly global, and we are proud to be one of them. Expect more inspiring discoveries and innovations as we continue to expand our international connections and impact.



COLLECTIONS
& CONNECTIONS



WE HAVE WORLD-CLASS COLLECTIONS AND IMPRESSIVE COLLABORATIONS IN THE ARTS.

The Hunterian, our museum and art gallery, is one of the leading university museums in the world, and is home to one of the largest collections outside the National Museums.

We have the world's largest permanent display of the work of James McNeill Whistler and the largest single holding of the work of Charles Rennie Mackintosh.

Our Special Collections is one of the foremost resources in Scotland for academic research and teaching, and our holdings of medieval and renaissance manuscripts and emblem literature are of international importance.

Access to our collections for teaching and research has been transformed with the opening of Glasgow's iconic Kelvin Hall building as a state-of-the-art

collections study centre and cultural education space. This partnership between the University, the city and the National Library of Scotland has enabled 1.5 million items from our collections to be relocated to purpose-designed study and storage facilities.

Our collaborations with prestigious arts institutions build stronger links for knowledge exchange and greater learning opportunities for all of our communities.

The Smithsonian Museum in Washington DC and the University have a long-standing relationship. Our shared values of an interdisciplinary and collaborative approach to the arts and sciences, and the diffusion of knowledge, enable us to work together for mutual benefit and significant international impact.

“We have a way with words.”

FROM *THE THIRTY-NINE STEPS* TO *DOCTOR WHO*, OUR WRITERS HAVE STIMULATED OUR EMOTIONS AND INSPIRED NEW THOUGHT.

Glasgow is a breeding ground for talented writers. Our list of literary graduates includes William Boyd, Catherine Carswell, Anne Donovan, William McIlvanney, Janice Galloway, Tobias Smollett and Louise Welsh.

Writer and producer Steven Moffat, best known for his work as showrunner, writer and executive producer of TV series *Doctor Who* and *Sherlock*, found his passion for TV with Glasgow University Student Television.

John Buchan, author of many adventure and historical novels including *The Thirty-Nine Steps*, studied at Glasgow during the 1890s. As well as an acclaimed novelist he was also a politician, holding the post of Governor-General of Canada.

Professor Edwin Morgan (pictured) was one of the greatest poets of his

generation and inspired the world and his students at Glasgow with his work. In 2004 he became the first official National Poet for Scotland.

Glasgow is also a place for readers and thinkers to feed their love of literature. We have a long history of building a better understanding of the impact of literary works.

Our Centre for Robert Burns Studies is keeping the work of Scotland's national poet alive through its research and teaching.

And we are compiling the first ever comprehensive online corpus and digital archive of Scottish Gaelic, which will enable innovative research and development of the Gaelic language and will be the basis for a comprehensive historical dictionary of the language.



INNOVATION

OUR KNOWLEDGE, TECHNOLOGIES AND EXPERTISE ARE POWERING COMMERCIAL VENTURES AND BOOSTING ECONOMIES.

RECENT SUCCESSES IN SECURING LARGE-SCALE COLLABORATIONS WITH INDUSTRY PARTNERS INCLUDE THE **£29M QUANTUM TECHNOLOGY HUB**, **£11M URBAN BIG DATA CENTRE**, **£55M JAMES WATT NANOFABRICATION CENTRE**, **£16M IMAGING CENTRE OF EXCELLENCE** AND **£20M STRATIFIED MEDICINE SCOTLAND INNOVATION CENTRE**.

We collaborate with businesses to develop our cutting-edge research into new products and processes, powering their bottom lines.

Our recent partnership with CST Global has revolutionised its business model, moving it from being a provider of custom fabrication services to selling high-performance, low-cost laser devices for next generation optical access networks. Alongside new sales in international markets, the new products have enabled the company to substantially increase its profit margins.

Our research partnerships bridge the gap between industry and academic knowledge.

Through the GLAZgo Discovery Centre, we are combining our understanding of disease pathology with global company AstraZeneca's drug discovery and development expertise, to create more targeted medicines for patients.

We nurture start-ups, spin-outs and other entrepreneurial activity.

Anacail Ltd is exploiting technology developed at the University that enables safe and flexible generation of ozone for rapid and chemical-free sterilisation, which has the potential to improve food safety and extend shelf life of food.

Causeway Therapeutics Ltd is exploiting the use of a proprietary microRNA therapy in the treatment of tendinopathies in both humans and animals. The initial focus is on the development of EquiMiR™ to treat equine tendinopathies which affect up to 30% of competitive and working horses.

Gold Standard Simulations Ltd brings 20 years of our research on semiconductor transistors and circuits to the marketplace. Its innovative tools help predict performance in future generations of miniature transistor design. The company's success led to it being

acquired by one of the world's largest software companies, Synopsys Inc, in 2016.

Entrepreneurship among our students is actively encouraged through our teaching curriculum, including work-based experiences. Our students can also access dedicated enterprise support and exclusive internship opportunities. Student-founded companies such as MindMate, which develops apps for brain health, and Staels Design, which develops innovative products for wheelchair users, received practical advice, mentorship and free office space in our incubator hub.

Our campus developments include supported environments such as the Clinical Innovation Zone at the Queen Elizabeth University Hospital where new and established businesses can co-locate to easily access our facilities, clinical know-how and research in the field of precision medicine.



OPEN

GLASGOW

WE ARE INSPIRING PEOPLE WITH AMBITION TO SUCCEED AT UNIVERSITY AND BEYOND.

We believe everyone should have the opportunity to reach their potential.

That's why here at Glasgow we are proud of our long tradition of helping talented people to fulfil their ambitions regardless of their background or circumstances.

Through our widening participation work we encourage, prepare and support students who are under-represented in higher education to achieve entry to university. We work with over 100 target schools, as well as colleges, local authorities and other organisations to

support school leavers and adult learners alike to prepare for, apply to and succeed at university.

If students have the potential, drive and ambition to succeed, we will do all we can to support them to overcome barriers and realise their aspirations.

From giving support to access university, to helping students flourish during their studies, to supporting them as they launch their career – we are with our ambitious people at every stage of their journey.

Our history of openness at Glasgow stretches back over the centuries. After being refused entry to university in his own country because of his race, James McCune Smith came to study at Glasgow. In 1837 he became the first African-American to receive a university medical degree. He was influential in more than just medicine, however. He was a dedicated and committed slavery abolitionist.

At Glasgow, we are proud of our diverse, vibrant and talented people and their ambitions to change the world.

LEADING LIGHTS

ACROSS THE POLITICAL PARTIES, AMBITIOUS GLASGOW ALUMNI HAVE BEEN LEADING THE WAY FOR GENERATIONS.

Law graduate Nicola Sturgeon followed an impressive line of political leaders who studied at Glasgow when she secured the top job in Scottish politics in 2014. She made history as the first female First Minister of Scotland, and the first female leader of any of the devolved UK administrations.

Our Glasgow University Union debating chamber has come to be considered one of the finest training grounds for young

and ambitious politicians. The talents nurtured here include current Leader of the Liberal Democrats Sir Vince Cable as well as former leaders Charles Kennedy and Sir Menzies Campbell, former Leader of the Labour Party John Smith and Scotland's inaugural First Minister Donald Dewar.

Another of our history makers is Sir Henry Campbell-Bannerman who became our first graduate to be elected Prime Minister

in 1905. Following in his footsteps, alumnus Andrew Bonar Law served as Prime Minister from 1922 to 1923.

Our long tradition of inspiring people to change the world continues. Over 30 graduates currently hold seats in either the Scottish or UK parliament, including Mhairi Black who was elected as a member of the UK parliament for the SNP in 2015, only weeks before graduating.

PROFESSOR SIR ANTON MUSCATELLI, PRINCIPAL AND VICE-CHANCELLOR, CHAIRS THE STANDING COUNCIL ON EUROPE – A GROUP OF INDEPENDENT EXPERTS ADVISING THE SCOTTISH GOVERNMENT ON SCOTLAND'S FUTURE RELATIONSHIP WITH THE EUROPEAN UNION.

BUILDING OUR FUTURE

WE ARE CREATING A CAMPUS TO
INSPIRE THE NEXT GENERATION OF
WORLD CHANGERS.

It's a once-in-a-lifetime opportunity. Over the next ten years, a major programme of investment heralds one of the most significant expansions and developments of a UK university city campus for over a century.

We are increasing our footprint on the city by 25%. An area covering 14 acres of land next to our Gilmorehill campus is in our possession and planning is underway to create a campus for the 21st century.

We are entering a momentous chapter in our history, one that will transform our teaching, learning and research spaces.

We will bring together the best minds of today and tomorrow within world-class facilities – large interdisciplinary

research spaces that offer flexibility and stimulate collaboration, and modern study spaces that will combine study and social learning space with multi-styled teaching and smart campus technologies.

Our campus development is about more than just extra land and buildings. Thanks to our ambitious development, we will soon be able to attract even more world-class expertise to Glasgow, enable more groundbreaking discoveries and inspire the next generation of world changers and researchers.

THE FIRST MAJOR PROJECT IN OUR CAMPUS DEVELOPMENT IS THE LEARNING & TEACHING HUB. THIS BUILDING WILL INCREASE OUR TEACHING CAPACITY AND GIVE STUDENTS ROUND-THE-CLOCK ACCESS TO A RANGE OF SOCIAL AND INDIVIDUAL STUDY SPACES.



CHANGING THE WORLD SINCE 1451

ANTISEPTIC IN SURGERY
FIRST ULTRASOUND IMAGE OF A FOETUS
DISCOVERY OF NEON XENON **ISOTOPES**
KRYPTON PROTACTINIUM
TELEVISION
BETA-BLOCKERS
GLASGOW COMA SCALE
USING STATINS TO PREVENT HEART ATTACKS
ECONOMIC THEORY
KELVIN SCALE OF TEMPERATURE
WORLD'S FIRST HOSPITAL X-RAY DEPARTMENT
IVF **HARNESSING**
STEAM POWER
RADIO PULSARS
DETECTING GRAVITATIONAL WAVES
THERMODYNAMICS
HISTORICAL THESAURUS OF ENGLISH

glasgow.ac.uk/meetglasgow

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