Our mission
Our mission is to undertake world-leading research and to provide an intellectually stimulating learning environment that benefits culture, society and the economy.

Our values
- Integrity
- Credibility
- Openness
- Success
Principal’s welcome

I’m delighted to introduce you to this Annual Review, which is a brief guide to some of the activities we’ve seen at the University between August 2010 and July 2011.

In a time of great change, we are pleased that the University has achieved financial stability and operating surpluses to reinvest in our people and our infrastructure. This will enable us to continue our tradition of offering excellent education to talented students from across the globe, irrespective of background.

We have a commitment to maintaining high standards in research and teaching and investing in the right infrastructure. This year, we have made valuable progress on a number of fronts. More students than ever want to study at Glasgow, and we’re proud that when they do, they report high levels of satisfaction with their experiences. Their enthusiasm is reflected in the excellent results achieved by the University in independent assessments of quality such as the National Student Survey and International Student Barometer.

Through the creation of mutually beneficial partnerships, Glasgow is playing its biggest role yet in our global community. New developments include research and teaching ties with institutions including Columbia University and the Singapore Institute of Technology. Meanwhile, the continuing strength of our diverse research base has been seen in the achievement of a number of world-firsts this year, from creating ‘super-twisted’ light, to conducting a groundbreaking clinical trial that may offer new hope to disabled stroke patients.

Our University exists to benefit researchers, students, the economy and society in Glasgow and beyond. To this end, in 2010 Glasgow became the first university in the UK to offer some Intellectual Property, including groundbreaking medical and scientific research, to industry and entrepreneurs for free. It is our expectation that our open approach will inspire new connectivity and provide useful answers to the many and varied challenges that lie ahead. As a result, with hopes for a bright future, we move forward in our shared purpose to be one of the best universities in the world.

Professor Anton Muscatelli
Principal and Vice-Chancellor
Review of the year

The University has celebrated a number of milestones and achievements this year.

In August 2010, work to restructure Glasgow’s existing nine faculties into four colleges was completed. By bringing together academically coherent groupings, the new college system enables interdisciplinary collaboration, provides the best possible environment and support for research, and builds on the University’s already high-quality student experience.

Significant investment in facilities was made, including the official opening of the £2.4m Scottish Centre for Production Animal Health & Food Safety at the School of Veterinary Medicine. From treating farm animals and dealing with surgical cases to conducting health assessment visits, the centre covers the entire length and breadth of the food chain and is a leader in food safety in public health.

Two of the organisations that contribute to Glasgow’s sterling reputation for student experience marked noteworthy anniversaries. The Glasgow University Sports Association celebrated its 130th year, with the Students’ Representative Council, in its 125th year, not far behind.

In January 2011, the University honoured the inspirational lives of two former members of its community: poet Edwin Morgan, who was Emeritus Professor of English, and trade union activist Jimmy Reid, who served as Rector. The men, who both died in August 2010, were remembered for their enlightened way with words.

Another respected orator, the Rt Hon Charles Kennedy MP, followed in the footsteps of former Prime Minister Benjamin Disraeli to become only the second Rector to be elected to a second term at Glasgow. His new three-year term began with a special installation ceremony in the University’s Bute Hall in April.

The University acknowledged the talents of Professor Patrick Gunning in creating more effective cures for cancer by awarding him Young Alumnus of the Year. Having completed both a BSc and PhD at Glasgow, Professor Gunning is now based in Toronto, where he heads a team of 12 researchers working to create molecules that help to eliminate cancer cells.

Meanwhile, another academic associated with the University – former biochemical researcher Professor Robert Edwards – was awarded the Nobel Prize for Medicine. Professor Edwards, who published a number of research papers during his time as a researcher at Glasgow in 1962 and 1963, went on to establish the world’s first IVF clinic with gynaecologist surgeon Dr Patrick Steptoe.

In December, engineers used the University’s cutting-edge nanotechnology facilities to produce the world’s smallest Christmas card. Invisible to the naked eye, the card featured a Christmas tree etched onto a piece of glass so small that 8,276 of them could fit onto an area the size of a first-class stamp.

Glasgow’s women featured prominently in the Queen’s New Year and Birthday Honours Lists.

Professor Sally Macintyre, Director of the Institute of Health & Wellbeing, was appointed DBE for services to science. Professor Macintyre’s research focuses on socio-economic, spatial and gender inequalities in health.

Professor Muffy Calder was appointed OBE for services to computer science. An expert in the behaviour of complex software and biochemical systems, she is Dean of Research in the College of Science & Engineering.

Professor Noreen Burrows was also appointed OBE. The Jean Monnet Professor of European Law has published widely on Scottish devolution, the role of the Advocate General of the European Court of Justice, and European Social Law.

A third OBE was awarded to Professor Mona Siddiqi. At the time of her award, Professor Siddiqi was Director of Glasgow’s Centre for the Study of Islam.

Professor Sheila Rowan was appointed MBE for services to science. She is an experimental physicist at the forefront of the search for gravitational waves – a hitherto undetected phenomenon that scientists hope will shed light on the mysterious force of gravity.
1. Edwin Morgan
2. Rt Hon Charles Kennedy MP
3. Professor Muffy Calder
4. Jimmy Reid
Research with impact

Glasgow has an international reputation for research that benefits society.

The ambition of Glasgow’s academics for advancing the boundaries of research has resulted in a number of important discoveries this year.

In November 2010, the University’s scientists created the world’s first ‘super-twisted’ light. This type of light had only been theorised before the discovery. It can be used to find traces of proteins that are indicative of degenerative diseases in tiny samples of blood.

In another groundbreaking project, researchers from Glasgow conducted the world’s first fully regulated clinical trial of a neural stem cell therapy for disabled stroke patients. In the successful surgical procedure, cells were administered by direct injection into the affected region of the brain of a stroke patient.

A key advance in the study of autoimmune disease was made in June, when a team of scientists from Glasgow, Brazil and Japan found that a gas produced naturally by the body could be used as a new treatment. The study showed that nitric oxide acts as a natural suppressor of a type of blood cell which can attack the body tissue through excessive inflammation.

In a move to make cutting-edge innovation and patents immediately available to companies and entrepreneurs who can make the best use of the research, the University became the first in the UK to offer some Intellectual Property, including groundbreaking medical and scientific research, to business and entrepreneurs free of charge. In March 2011, Glasgow went on to secure funding from the Intellectual Property Office for a collaborative project with King’s College London and the University of Bristol to expand on the concept by creating a consortium of open-innovation universities.

The continuing strength of the University’s broad research base was seen in the diverse nature of research projects able to attract significant funding.

- The Centre for Robert Burns Studies received £1m from the Arts & Humanities Research Council to produce the first complete scholarly edition of the works of Robert Burns. A team of five literary experts will publish six volumes over the next eight years, with another six to follow in the next decade.

- The Scottish Funding Council announced an award of £2.5m for Glasgow scientists who are working to develop synthetic blood. The project, which is unique to the UK, has already received £3m from the Wellcome Trust and involves collaboration between biochemistry, engineering and social science teams with the goal of being able to use stem cells to produce unlimited supplies of human blood.

Further success was achieved in the field of medicine when researchers successfully created the world’s most accurate IVF predictor. The team from Glasgow and Bristol analysed the details of more than 144,000 IVF cycles to produce a statistical model that gives a prediction of live birth that is up to 99% accurate. A free calculator has been made available online at www.ivfpredict.com.

Scientists created an ultra-fast computer processor by squeezing more than 1,000 cores onto a computer chip. The researchers used the chip to process an algorithm which is central to the MPEG movie format at a speed around 20 times faster than current top-end desktop computers.

Meanwhile, another five projects at the University were selected as being among the most important research taking place in Britain today. The Big Ideas for the Future report, published by Research Council UK and Universities UK acknowledged the significance of:

- innovative three-way kidney transplant matching software developed in the School of Computing

- de-orbit systems for small spacecraft which can guide redundant satellites into the atmosphere where they would burn up

- a project being run in the Centre for Textile Conservation & Technical Art History to train students to understand the science behind conserving art

- an initiative that aims to tackle the problem of racially based inequalities in the city: the Glasgow Refugee, Asylum and Migration Network

- a 3D anatomical training project being developed by the Glasgow School of Art in partnership with the University.
Satisfied students

Glasgow’s excellent teaching, research and support services ensure a great experience.

The findings of two independent surveys confirmed the University’s continuing reputation for delivering high-quality education this year.

- The National Student Survey 2010 reported 90% of Glasgow’s students to be satisfied with their courses. The University’s ability to significantly exceed the national average for student satisfaction of 82% resulted in Glasgow being placed sixth overall in the UK for student satisfaction. A total of ten University of Glasgow subject areas were also found to have the most satisfied students in the UK.

- International students gave the University their approval too, granting Glasgow one of the best scores in the UK in the International Student Barometer. In results reported in October 2010, the University received a 91.6% satisfaction rating – higher than the UK average score of 86.9%. Overseas students reported increasing levels of happiness the longer they stayed in Glasgow.

In February 2011, the Princess Royal visited the University to open a unique teaching and research facility. With the foundation of Glasgow’s Centre for Textile Conservation & Technical Art History – the only resource of its kind in the UK – students have the opportunity to work with some of the best textile collections in the world, held by Glasgow Museums, the National Museums of Scotland and the University’s own Hunterian Museum.

A number of new scholarships were announced throughout the year, enabling talented students from across the globe to invest in their future at Glasgow.

- Former US Secretary of State Madeleine Albright visited the University in September 2010 to launch a new PhD scholarship in Czech and Central European Studies. Supported by the Czech Foreign Office in recognition of the excellent global reputation of Czech studies at Glasgow, the scholarships will run for four years.

- Royalties generated by the success of an acclaimed publication created by Glasgow academics enabled four postgraduate students beginning their studies in English language to benefit from free waiver bursaries. Publication of the *Historical Thesaurus of the Oxford English Dictionary* in 2009 led to an almost instant sell-out.

- The first scholarships launched in memory of sports lecturer Dr Andy Cathcart were awarded to students in January 2011. The sports science scheme is offering students the chance to work with British Cycling in Manchester and Scotland’s under-20 rugby team.

- A scholarship for a student from Malaysia for 2011-12 was announced at a special event in Kuala Lumpur in March 2011. The scholarship is being awarded to mark 100 years since the first student from Malaysia studied at Glasgow.

The University rewards and promotes exemplary teaching through its annual Teaching Excellence Awards. In 2010-11, six members of staff received an award in recognition of their high standards.

- Professor Martin Sullivan in Small Animal Clinical Sciences uses technology such as ‘Who wants to be a millionaire’ quizzes and podcasting to facilitate learning.

- Mr Adrian Maldonado in Archaeology has worked tirelessly to help students improve their skills in essay writing as a tutor with the Academic Writing Support Programme.

- Dr Donald Spaeth in History is known for the innovative approach he takes to teaching: by not only training students to use technology in order to study sources and answer questions, but encouraging them to understand how history is written.

- Professor Paddy O’Donnell in Psychology was recognised for his longstanding contribution to teaching excellence. He is an advocate of blending face-to-face learning with flexible web support.

- Dr Helen Purchase in Computing Science works as a champion for the benefits students derive from peer-to-peer interaction and shared learning.

- Professor Alison Phipps is a specialist in languages and intercultural studies who develops an understanding relationship with each group of students and helps them to discover a direction for their work.
1: Madeleine Albright visited Glasgow in September
2: The Centre for Textile Conservation & Technical Art History opened in February
3: Scholarships in memory of Dr Andy Cathcart launched in January
Globally connected

Glasgow’s international reach enables the exchange of ideas, inspiration and talent.

The University made new ties with New York’s Columbia University in October 2010, signing a Memorandum of Understanding with the Ivy League institution that will see the development of a range of research collaborations. Academics from Glasgow and the US will work together to develop high-impact themes based on translating research findings into treatments for patients in the areas of cardiovascular disease, molecular pharmacology and neuroscience. Plans for the future include academic exchanges and the development of PhD research and post-doctoral training for students.

Students also stand to benefit from another new agreement, signed in January 2011, with the Singapore Institute of Technology (SIT). Glasgow plans to deliver joint programmes in aerospace and mechanical engineering subjects and will open an office in the city-state with five permanent staff supporting around 320 students each year. The University will assess programmes and award degrees to students who have first completed three years at one of SIT’s partner polytechnics.

Meanwhile, the University’s Centre for Russian, Central & East European Studies received funding to bring its internationally recognised excellence in social science research to a project that will establish two doctoral schools according to Bologna specifications in Georgia and the Ukraine. The three-year EU Tempus project connects Glasgow with 12 partners, including Kyiv-Mohyla Academy, Ilia State University, and the Universities of Maastricht and Paris-Est.

In research developments, it was announced that Glasgow scientists would lead UK efforts in two of four transatlantic research teams involved in a £5.4m collaboration to explore ways of improving the process of photosynthesis. The research could lead to ways of significantly increasing the yield of important crops for food production or sustainable bioenergy. Each team includes scientists from a range of disciplines in a move to share the best expertise and infrastructure and build links between the scientific communities in the UK and the US.

The University also received funding from the Bill & Melinda Gates Foundation to help further important work Glasgow’s academics have undertaken in the fight against malaria. Scientists are developing a device that uses technology derived from mobile phones that can detect and separate red blood cells infected with malaria parasites. The funding is part of a raft of grants awarded by the Foundation to enable researchers to test unorthodox ideas that address persistent health and development challenges worldwide.

In May 2011, alumni attended a special event at Nankai University to see prominent artist Professor Fan Zeng receive an honorary degree from the University of Glasgow in acknowledgement of his contribution to traditional Chinese art. Principal Muscatelli and University academics joined their Nankai counterparts for an academic procession prior to presenting Professor Zeng with the Doctor of Letters degree.

The University’s many partnerships and connections around the world were also showcased at a range of events held in the city of Glasgow.

• In August 2010, leading economists gathered at the University for the European Economic Association Annual Congress. The congress attracted hundreds of delegates, including Nobel prizewinner and honorary graduate of Glasgow Joseph Stiglitz, and Esther Duflo, Professor at Massachusetts Institute of Technology and one of the world’s foremost young economists. Themes discussed included climate, financial regulation, health and tax.

• In March 2011, a range of singers and instrumentalists came together in the University Chapel to hold a special benefit concert to raise funds to help the victims of the recent Japanese tsunami.
Honorary degrees

The University conferred 20 honorary degrees during 2010-11.

Doctor of Divinity
The Very Reverend David Lunan
Clerk to the Presbytery of Glasgow

Doctor of Laws
Baroness Brenda Hale
Barrister and Judge

Doctor of Letters
Professor Sir Hilary Beckles
Principal, University of West Indies

Professor Simon Blackburn
Faculty of Philosophy, University of Cambridge

Katrina Brown
Director of the Glasgow International
Festival of Visual Arts

Professor Caroline Walker Bynum
Emeritus Professor, Columbia University, USA

Armando Iannucci
Comedy writer, producer and director

Alastair Reid
Writer and translator

Professor Toshiyuki Takamiya
Emeritus Professor, Keio University, Tokyo

Professor Fan Zeng
Prominent artist in traditional Chinese art

Doctor of Science
Professor Sir John Bell
Chairman of the Academy of Medical Sciences

Professor Sir Leszek Borysiewicz
Vice-Chancellor of the University of Cambridge and former Chief Executive of the Medical Research Council

Professor Sir David Cox
Honorary Fellow, Nuffield College, University of Oxford

Professor Victor J Dzau
James B Duke Professor of Medicine, Duke University, USA

Emeritus Professor Geoffrey Eglinton
Woods Hole Oceanographic Institute, USA

Donald Knuth
Emeritus Professor, Computing Science, Stanford University

Professor Bernard Schutz
Managing Director of the Albert Einstein Institute

Doctor of Music
Donald Shaw
Artistic Director of Celtic Connections

Doctor of the University
Professor Nick Kuenssberg
Formerly Chair of The Glasgow School of Art

Lord John McFall of Alcluith
Former MP for West Dunbartonshire
1: Armando Iannucci
2: Baroness Brenda Hale
3: Katrina Brown
4: The Very Reverend David Lunan
5: Professor Simon Blackburn
6: Professor Toshiyuki Takamiya
7: Professor Caroline Walker Bynum
8: Donald Shaw
### Key facts and figures

#### Consolidated statement of historical cost surpluses

<table>
<thead>
<tr>
<th>Description</th>
<th>2010-11 £000</th>
<th>2009-10 £000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surplus for the year retained within general reserves</td>
<td>9,811</td>
<td>7,311</td>
</tr>
<tr>
<td>Difference between historical cost depreciation and the actual charge for the period calculated on the revalued amount</td>
<td>3,909</td>
<td>3,638</td>
</tr>
<tr>
<td>Historical cost surplus for the year</td>
<td>13,720</td>
<td>10,949</td>
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All items of income and expenditure arise from continuing operations.
Senior Officers 2010-11

Chancellor
Professor Sir Kenneth Calman
KCB, MD, PhD, FRCS, DL, FRSE

Principal and Vice-Chancellor
Professor Anton Muscatelli
MA, PhD, FRSE, AcSS

Chancellor’s Assessor
Mr Murdoch MacLennan

Secretary of Court
Mr David Newall BA, CPFA

Clerk of Senate
Professor Graham Caie
MA, PhD, FRSE, FEA, FRSA

Director of Finance
Mr Robert Fraser
BSc, MBA, CA

Rector
The Rt Hon Charles Kennedy MP, MA

A Register of Interests of Members of the University Court and Senior Management is maintained by the University. Application for copies may be made in writing to the Secretary of Court or the Register may be inspected on personal application to the Court Office.