



THE UNIVERSITY *of* EDINBURGH Annual Review 2010/2011



“...our students are to be praised for all that they do – from the voluntary work that they undertake to their contribution to the cultural life of the city. The quality of our students is reflected further in our hugely encouraging track record in graduate employment.”

Professor Sir Timothy O'Shea, Principal and Vice-Chancellor, the University of Edinburgh

Our vision

To shape the future by attracting and developing the world's most promising students and outstanding staff.

Our mission

The mission of our University is the creation, dissemination and curation of knowledge. As a world-leading centre of academic excellence we aim to:

- enhance our position as one of the world's leading research and teaching universities and to measure our performance against the highest international standards
- provide the highest quality learning and teaching environment for the greater wellbeing of our students and to deliver an outstanding educational portfolio
- produce graduates fully equipped to achieve the highest personal and professional standards
- make a significant, sustainable and socially responsible contribution to Scotland, the UK and the world, promoting health and economic and cultural wellbeing.



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Graduands prepare to collect their degrees at a summer 2011 graduation ceremony in the University's McEwan Hall.

Principal's foreword

In these demanding times I am constantly struck by the quality and creativity of our staff and students and by what they have achieved and continue to achieve.

With the higher education sector facing significant challenges, I am full of admiration for the work of our staff and heartened by the range of their professional skills. Whether it's through ensuring that a complex merger with another institution is completed successfully or continuing to develop innovative ways of widening access to the University, Edinburgh employees never cease to impress with their ingenuity and patience.

Similarly, our students, representing more than 130 countries, are to be praised for all that they do – from the voluntary work that they undertake to their contribution to the cultural life of the city. The quality of our students is reflected further in our hugely encouraging track record in graduate employment. Providing our students with quality education and support to prepare them for entry into the wider world is central to what we do.

This edition of the *Annual Review* focuses heavily on how we are placing employability and quality teaching and learning at the heart of our agenda. You can read about the strides we have been making in the field of distance education and how we aspire to host a postgraduate community of some 10,000 online learners. We also shine a spotlight on the University's Careers Service and the sterling work it does in assisting our students to get on to the first rung of the career ladder in what is a challenging economic climate.

We provide assistance much earlier on in the student journey as well. This year's *Review* features an article revealing how our bursary and scholarship provision opens doors to study and research opportunities. Our bursary package for those on the lowest household incomes is the biggest of its kind in the UK. We highlight our successful Pathways to the Professions scheme,

which celebrated its 10-year anniversary in 2011, and we also showcase the pioneering initiative, led by colleagues from Edinburgh University Students' Association (EUSA), that offers students access to an incredible range of volunteering opportunities.

As one of the world's leading research-intensive universities, we are often judged on the breadth and quality of our academic research and we continue to push back the boundaries in a wide variety of fields. For a flavour of just some of the work we are carrying out, this year's *Annual Review* focuses on the Roslin Institute and its efforts to address global challenges such as food security and infectious diseases. We also celebrate the work of the University's School of Chemistry which, in the International Year of Chemistry, enjoyed opportunities to shine a spotlight on its fascinating history and share its achievements with the wider community.

One of the year's other great success stories has been our merger with Edinburgh College of Art. Mergers are never easy but I have been delighted with the way our two institutions have come together and I am genuinely excited by the opportunities that the new collaborations will afford us in terms of teaching and research. Also in this publication, the College's new Principal, Professor Christopher Breward, reveals the links between art education and industry and shares his vision for the future.

Another of the year's highlights has been the project to landscape the quadrangle of Old College. Thanks to the extraordinary generosity of an anonymous donor, a building project that began in 1789 has finally been completed, complementing the original architectural vision for the site. This space is now an oasis of calm and tranquility in the heart of the city, to be enjoyed by staff, students and visitors alike.

During the preparatory work for the landscaping project, archaeologists unearthed laboratory equipment belonging to one of the great forefathers of modern science, Joseph Black,

who became Professor of Chemistry at the University in 1766. By delving into one's past one can learn valuable lessons about the present and indeed the future, and it is visionaries like Professor Black and the many other great minds associated with our institution that have left us with the wonderful legacy that we have today.

These individuals from our past remain a source of great inspiration to us and I know that our staff, students and alumni will continue to achieve great things in the future.



A handwritten signature in black ink that reads "Timothy O'Shea". The signature is written in a cursive, flowing style.

Professor Sir Timothy O'Shea BSc, PhD, FRSE

Broadening horizons: boosting graduate job prospects



Ms Shelagh Green

Innovative work led by the University's Careers Service has helped Edinburgh achieve the best graduate employment record in the 19 comprehensive universities in the Russell Group, a collective of 20 of the UK's leading research-intensive universities.

A report, published in July 2011 by the Higher Education Statistics Agency, revealed that 94.5 per cent of the 2009/10 student cohort leaving the University of Edinburgh were either in employment or further study six months after graduating.

The Careers Service, which relocated in 2011 to new purpose-built premises based within the University's Main Library, offers guidance and assistance on the job search process, from helping students explore their career options to offering access to vacancies right through to supporting job application and interview preparation.

For Shelagh Green, Director of the Careers Service, the team's new office at the centre of campus life will help place career development at the forefront of the student experience.

"Our focus is always on enhancing employability, and being at the heart of the student community in our new home can only help that process," she says. "We want to build employability into the teaching and learning experience. We want to see students become curious about careers early in their university life – not just when they graduate."

The Service, which has been accredited with the sector's quality award, the matrix Standard, has instigated a number of initiatives designed to embed employability into the student experience. Among these is an online toolkit called Taking Advantage of Time Away. Developed initially for modern languages students who regularly undertake long periods of study or employment off campus, this resource helps its users to keep track of the skills they develop when on placement.

The Service also runs an Insight into Management scheme, which provides the chance for business students to work alongside leading companies to develop their group work, project management, presentation and negotiation skills.

Social media has also been incorporated into supporting students with their career development. The 'top tips' videos that appear on the Careers Service's Facebook page have been noticed across the sector.

Edinburgh alumni, who can be found working in a broad range of professions and industries worldwide, also play an important role in a number of Careers Service schemes. Science & Engineering graduates are invited to mentor current students through the Focus on your Future seminar series, and many former Edinburgh students have shared their career stories through a series of online Day in the Life profiles.

One of the key benefits that students derive from using the University's Careers Service is essential access to major recruiters, and despite negative media reports of cutbacks to graduate opportunities, Ms Green remains confident that employers from a wide range of sectors value Edinburgh students.

"Employers still want graduates, but they are being increasingly selective," she states. "Our students have to be more proactive and flexible than ever before, but employers are telling us that they have found our graduates to be more focused in that respect."

Nearly 5,000 graduate vacancies were advertised through the Careers Service in 2010/11 – up 15 per cent on the previous year – with engineering, finance, marketing and IT performing particularly well.

This upward trend reflects well on Careers staff efforts to strengthen the University's ties with a diverse range of graduate recruiters. This year's Careers Fair, which attracted more than 120 companies, is further testament to the team's dedication and hard work.

International students are also well catered for. The Careers Services' new Virtual Careers Fair – a web-based event – features employers in Greater China and South-East Asia, and there has been an 85.9 per cent increase in the number of international vacancies advertised.

Developing and maintaining strong relationships with small and medium enterprises (SMEs) is also important. Recent Focus on IT and Focus on Technology events provided the ideal opportunity for students and SMEs from these key economic sectors to meet.

"We can't influence which companies are recruiting, but we can influence that they recruit at Edinburgh," says Ms Green. "Employers will only come to Edinburgh if we continue to equip our students with the high-level skills that they will need for a wide range of job contexts."

Supporting students to find valuable work experience to complement their studies is another vital element of the team's work. The Careers Service – which also has a presence at the University's King's Buildings campus – helps students access a wide variety of jobs to support their studies, in fields such as website design, tutoring and translation.

Edinburgh's students have been widely recognised for their contribution to the workplace. In the 2011 Student Employee of the Year competition, recent Physics graduate David McDwyer received an award for his student tutoring scheme, while second-year Physics student Eimear O'Carroll was commended for helping to promote entrepreneurship among students.

Says Ms Green: "Our students offer an amazing talent pool for local businesses whether employers are looking for part-time staff to meet peaks in demand or graduate talent to help organisations grow."



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“We can’t influence which companies are recruiting, but we can influence that they recruit at Edinburgh.”

Students make good use of the new, dedicated Careers Service hub in the University’s Main Library.

Investing in talent: financial initiatives to support excellence



Mr Jon Gorringe

Throughout the 2010/2011 academic year, the University provided more than £10 million to support students and enable individuals from less advantaged backgrounds to study at Edinburgh.

With the introduction of tuition fees for non-Scottish domiciled students from the rest of the UK (RUK), the University will make available an additional £6 million in financial support for RUK students. Plans are also in place to provide between £350,000 and £400,000 a year to help support a further 300 Scottish students.

“Bursaries and scholarships bring many benefits,” says Jon Gorringe, the University’s Director of Finance. “They enable us to attract the highest quality students and continue this institution’s long tradition of offering support to talented young people, who may be deterred from studying at university, due to a lack of necessary financial resources.”

For more than a decade the University of Edinburgh has offered bursaries in order to ensure that access is open to students from a wide range of backgrounds. The number of bursaries available grows steadily year on year.

During the 2000/2001 academic year, the University created 53 new Access Bursaries each worth a minimum of £1,000 for UK undergraduate students in significant financial need. Five years later, in 2005/2006, a further 127 were awarded.

In 2010/2011 this figure more than doubled again to 261, which brought the total number of Access Bursaries awarded by the University to 700.

First-year UK undergraduates staying in University of Edinburgh housing can also apply for Accommodation Bursaries. One such recipient is Meghan Ellis, who received the award during her first year at Edinburgh. The 20-year-old student is from a single-parent family and her mother is seriously ill and unable to work.

After gaining exceptional SQA Higher results at St Andrews Academy, Paisley, Miss Ellis applied to three Russell Group universities, including Edinburgh. With no family income, she needed financial support, and Edinburgh was the only institution able to provide the assistance she needed.

“To be honest, without the bursary I wouldn’t have been able to go to university,” says Miss Ellis. “I really wanted to come to Edinburgh but if I hadn’t been notified I was going to get a bursary, I wouldn’t have come. It’s been very helpful. It’s been amazing, actually.”

Now in her third year, she receives an Access Bursary worth £2,500 a year. It helps her buy the books she needs for her English Literature degree, cover living costs and means she doesn’t have to work in part-time employment in excess of the University’s recommended maximum of 15 hours a week.

In addition to the well-established University Access Bursaries, which are available to undergraduates from across the UK, the University has recently agreed to invest £10 million for additional bursaries for Scotland-domiciled students. These new ‘Edinburgh Scotland Bursaries’ will provide an additional 72 Access Bursaries and 62 Accommodation Bursaries each year, with the first awards being made for Scotland-domiciled students commencing their studies in 2012.

With the introduction of fees for RUK students in 2012, a new form of bursaries will also be rolled out to support students from England, Northern Ireland and Wales.

Worth more than £6 million in its first year, the Edinburgh RUK Bursary is the most generous bursary package of any UK university for those with a family income of less than £16,000. Bursaries of between £500 and £7,000 per annum are being offered to RUK undergraduate students who are liable for the £9,000 tuition fee.

“In light of the extra tax RUK students will pay upon graduating, they won’t want to build up debt beforehand,” says Mr Gorringe. “These bursaries will help people avoid building up debt by their living expenses. With the rising cost of living it is something that is more important than ever.”

Edinburgh also supports students by awarding scholarships. These allow the University to continue to attract the very best minds, from across the globe.

Our scholarships are related to the breadth of subjects studied at Edinburgh. For example, available to undergraduates are the Atkins Engineering Scholarship worth £2,000, and four KEYCOM Industrial Scholarships of £1,000 each. Also on offer for undergraduate students are several University of Edinburgh Coca-Cola Scholarships, which cover tuition fees and provide an annual maintenance allowance of £5,000 per year of study. For international students there are 15 Edinburgh Global Undergraduate Scholarships available, each worth £2,000 per annum.

“We have been successful in building an environment to support our students financially,” says Mr Gorringe, who in April 2011 was named the Finance Director of the Year for the public/not-for-profit sector in Scotland, in recognition of his management of university finances during the recession.

“There has been huge support from people who have made their career a success and now wish to give something back. For example, a graduate now working as a fund manager, who has given generously to the University in the past, started out life on a council estate. He said coming to Edinburgh changed his life. Now he wants to help change the lives of others.”

“To be honest, without the bursary I wouldn't have been able to go to university.”



Meghan Ellis, bursar recipient and third-year English Literature undergraduate, in the University's Main Library.

Pathways to the Professions: sowing the seeds of aspiration



Ms Kathleen Hood

In 2011, the University's Pathways to the Professions scheme celebrated a decade of giving invaluable support to thousands of under-represented local school students.

The dynamic project, designed by Kathleen Hood, the University's Head of Widening Participation, encourages state school pupils to work towards undertaking degrees in law, medicine, veterinary medicine and architecture. Many of the youngsters will be the first members of their families to attend university.

"There's a great thread of social justice which runs through education at Edinburgh," says Ms Hood. "The University was created in 1583 as the 'Town's College', for the people of Edinburgh. Although we are now an international university, that spirit of serving our community lives on.

"We run schemes like Pathways not only because we think it's the right thing to do, but because we see the impact it has on the school students who come through our projects. What we're really interested in is the whole student journey – the whole pathway."

Pathways was originally made possible by funding from education charity the Sutton Trust. It currently works with 46 local secondary schools in Edinburgh and the Lothians.

To date, more than 3,000 school students have benefitted from its wide range of services and more than 700 pupils, ranging in school stage from S4 to S6, are currently registered with the scheme.

"One of our main roles is to sow the seeds of aspiration," Ms Hood explains. "Time and time again, we meet teenagers and parents who say, 'The University of Edinburgh isn't for the likes of us.'

"Our job is to challenge this perception and to empower a student or a family to get the most out of their talent. We want students and their families to invest in their future because we know that if they study at Edinburgh, it's going to be transformational. It's one of the challenges of the job but when you see students coming through and succeeding, it's hugely rewarding."

Pathways provides a variety of activities and support, including career days, subject-specific workshops, science study support, parents' information sessions, individual pre-application support, mentoring and post-application sessions and information on access bursaries. Staff also organise work placements for school pupils.

"Pathways students can also attend the LEAPS eight-week summer school, which is like a virtual reality term," explains Ms Hood. "By running these summer schools, we've found that the better students are prepared for university, the more likely they are going to do well when they start. In Pathways we retain students very well and this is due not only to our summer schools but also our Mentoring Scheme. We also have peer-assisted learning, which started in law and which has been replicated in other courses also."

Mark Tait, 20, is a Pathways ambassador. Himself a beneficiary of the scheme, Mr Tait is now in his third year of medical studies, having just completed an intercalated BSc degree in pharmacology.

"Pathways has given me so much that I wanted to give back to it," he says. "I want to help students from schools like the one I attended to have the confidence to apply to Edinburgh, succeed in getting a place and then enjoy all it has to offer."

The Pathways project has the commitment and support of many University of Edinburgh staff and students. Mary Bownes, Vice Principal External Engagement, believes the project both inspires and offers practical help to students. "We get great help from our partners in these professions and the programme has gone from strength to strength," she says.

"Students on our Pathways programme go to a variety of universities, not just Edinburgh, and so this helps to increase the diversity of students on these courses at a number of universities. The scheme is such a wonderful example of good practice that it is being replicated by institutions in England, too."

As Ms Hood explains, the success of the initiative depends on true team work.

"We're incredibly fortunate at Edinburgh that widening participation is embedded in our Strategic Plan and that senior management is absolutely committed to it," says Ms Hood. "We have the support of a huge number of colleagues across the support groups and in Colleges and Admissions."

A significant part of Ms Hood's job is to win more hearts and minds for Pathways to the Professions across the University. In doing so she is alert to the perception that such projects could mean a lowering of academic standards – a view she swiftly disproves.

"Pathways students earn their places fair and square," she maintains. "If we take someone through Pathways it's because they've got the grades and made the cut. We're looking for students who have the potential to succeed at Edinburgh, and to give the University a really good mix of students. To me that's a win-win situation."

Watch our Pathways to the Professions video at goo.gl/2R9EK.

“Our job is to empower a student or a family to get the most out of their talent... We know that if they study at Edinburgh, it’s going to be transformational.”



Local school children take part in a Pathways event held at the Royal College of Surgeons of Edinburgh.

Creative connections: linking education and employment



Professor Christopher Breward

By showcasing their creations at Edinburgh College of Art's Fashion and Degree Shows, final-year students are gaining valuable insight into professional life and attracting all-important industry attention.

Long established as key events in the city of Edinburgh's cultural calendar, the annual exhibitions, staged in May and June respectively, transform the College into a focal point for not only Scotland's but also Britain's creative industries.

Edinburgh College of Art (ECA) merged with the University of Edinburgh in August 2011. Its new Principal, Professor Christopher Breward, believes that the final-year shows' diversity and exacting professionalism make them an annual tradition for creative professionals and the broader public alike.

"We're in a more visually aware society," he explains. "Degree shows are becoming increasingly competitive and people move around the colleges, comparing each other's culture and outlooks. They're great exercises in presentation, communication and promotion."

The fruits of ECA's final-year shows have been seen around the world in recent years: fashion graduate Rachael Barrett has moved from the College catwalk to create costumes for international pop star Lady Gaga, Stuart Parvin designed Zara Phillips' dress for her wedding in Edinburgh and artist Richard Wright won the Turner Prize in 2009 for his temporary gold-leaf murals.

In 2011, the College's Fashion Show separated its fashion and performance costume elements for the first time. It was also presented in a salon format, as opposed to a raised catwalk, which is emblematic of a shift towards industry standards.

"The way it's changing is encouraging students to be more adventurous; it's increasingly professional," says graduate Felix Chabluk Smith, 22, whose 2011 menswear collection was the first set of men's designs to be exhibited at a final-year show at ECA in 15 years. Mr Smith has since conquered London, winning the Menswear Award at the prestigious Graduate Fashion Week and securing a traineeship with the Burberry label.

Alongside his creations were those of 17 other graduating students. Their designs were inspired by everything from Antarctica and Gustav Klimt to lost luggage and natural erosion, and National Museums Scotland collaborated with students on patterns inspired by its insect collection.

The first fruits of ECA's partnership with All Walks Beyond the Catwalk were also on show. ECA is the UK's first educational centre devoted to promoting diverse body shape. Students created works of 'emotionally considerate design', crafting outfits for bodies larger than the fashion industry's standard size.

Diversity was not confined to the size of fashion mannequins, however. The undergraduate Degree Show in 2011 was once again praised for its breadth in showcasing the best of new talent from painting, drawing, sculpture, photography, architecture, landscape architecture, glass, jewellery, video, animation and installation art.

With 400 graduating artists and designers exhibiting, the event contained everything from the conceptual to the practical. For example, Rachel Duke's show, *Welcome Home*, created with dementia patients in mind, emits smells designed to trigger memories of home, while in contrast, Corine Viney transformed a cupboard in ECA's main building into a house made of cake.

For Professor Breward, the degree shows make ECA one of the most unique parts of the University. "Other students might produce theses or come through exams, but this is the platform for our students," he says. "The degree show really is the bridge between education and employment."

Forging links with industry stalwarts such as Harris Tweed and Mackintosh have proved successful in recent years, and the existence of such strong bonds between art college studio and professional arena do not surprise Professor Breward.

"Art students are very employable graduates," he says. "In a world where connectivity, critique and communication are key, anyone coming out of a creative programme will be well drilled in that. The visual critics are particularly fierce, so you're strong and vivid once you get to the end of four years."

Looking ahead, Professor Breward sees the College's influence growing. As part of the wider University, he envisages an institution that feeds into government policy on the creative industries; a college that takes its place as part of a network of international art schools; a place with expanded postgraduate programmes; and a centre for excellence that works even more closely with industry and institutions such as National Museums Scotland and National Galleries Scotland.

With the University's long-established History of Art and Music departments coming into the newly expanded ECA, Professor Breward says he is excited about the future.

"Take music for example," he comments. "In the history of the art college there's an interesting play on art students producing rock and pop music. But here at ECA we have the discipline sitting directly among us."

"I can't think of any other contemporary art college that will have such a strong relationship with music, or with the History of Art and other disciplines. The possibilities arising from the relationships are endless."

“Art students are very employable graduates. In a world where connectivity, critique and communication are key, anyone coming out of a creative programme will be well drilled in that.”



Edinburgh College of Art's summer 2011 fashion show, held in Edinburgh's Harvey Nicols department store.

Volunteering vision: connecting campus and community



Ms Emma Meehan

University of Edinburgh students are enhancing their employability while giving back to the local community through an innovative volunteering initiative.

In September 2010 Edinburgh University Students' Association (EUSA) launched EUSA Volunteering, which, to date, has matched more than 800 students with volunteering projects across Edinburgh and the Lothians. The service is actively working with 100 organisations and has close links with an additional 100, operating out of its new Potterrow-based centre, Connect.

Some 1,800 registered charities are based in Edinburgh and with 24,000 students currently matriculated, the University has great potential to integrate its student body into the local community and maintain the 'town and gown' relations that it has nurtured with the city over the centuries.

In an increasingly competitive graduate jobs market, voluntary work can not only satisfy a student's wish to engage with community groups and be of genuine assistance but it can also greatly enhance their employability, says EUSA's Volunteer Development Manager, Hilary Wardle.

"I'm thrilled that so many students are keen to volunteer," she comments. "In the first month of the academic year, 328 students registered with the service and nearly 400 volunteering applications were made – a staggering amount.

"We clearly have a very community-minded and altruistic student body. At the same time our students are developing valuable skills which will help them in the future."

Honing skills linked to study has proved fruitful for Edinburgh students from varied disciplines, including archaeology, where five students undertook a project-based role with the National Trust for Scotland, and law, where several students were sourced to provide their services to the homeless charity Shelter.

EUSA Vice-President, Societies & Activities, Emma Meehan, agrees that devoting time to volunteering while at university has wide-ranging benefits.

"Students can use the opportunity to volunteer to develop skills that they wouldn't necessarily get from a degree course," she explains. "It's a way of enhancing some of the learning from a degree programme. For example, students taking subjects such as accountancy can get roles assisting charities with their finances, so it becomes something that is mutually beneficial."

One of EUSA Volunteering's unique features is its web application, which brings together online charitable organisations and prospective student volunteers. Students can create profiles and build a volunteering CV and then forward their online biography to the relevant organisation. Similarly, the organisations seeking help are able to register online, create profiles, post opportunities and manage responses.

Some 40 per cent of EUSA Volunteering's service users are international students and a significant number have taken part in the groundbreaking Schools Olympic Project, which is being staged in partnership with Edinburgh City Council. In the lead-up to the 2012 London Olympic Games, the scheme sees Edinburgh-based international students 'buddy up' with local schools to help them learn about their homeland and, in 2012, schools will represent their chosen country at the 'Edinburgh Games'.

The University's focus on community engagement has been further strengthened through the encouragement of its 265 student societies to become more active in local activities.

One outcome of this is the development of a Community Action Award for non-charitable societies, the most recent winner of which was the Edinburgh University Brass Band, which undertakes outreach work and performs for a wide range of community groups.

It is this breadth and reach of voluntary activity undertaken by Edinburgh students that makes the University unique, believes EUSA President Matt McPherson.

"One of the most admirable aspects of our work with the University is that while we are an ambitious and outward-looking institution, we never cease to look into the heart of our own community," he says.

"I always tell the story of Connect's opening weeks, in which a Russian charity got in touch, desperately needing five Russian-speaking students who could volunteer. Thanks to our ability to filter and contact specific student groups, and the commitment of our staff, by the next day we had them. Our volunteering centre is in line not only with our values but also the latest technologies."

Looking ahead, the EUSA Volunteering team is confident of registering 1,000 students in 2012 and is on track to reach its target of 2,000 members by 2015. EUSA Volunteering also stages a quarterly volunteering forum, and together with the University's Careers Service, hosts an annual travel and volunteering fair at Potterrow.

"By having a volunteering centre that facilitates hundreds of students into the work of the local community, we can ensure that we are not only being reactive to the community's needs and persuasions, but rather proactive in building a better Edinburgh for us all," explains Mr McPherson.

"As students, Edinburgh is not just our place of study – it's our home, and we're grateful for the University's support in making that vision a reality through our volunteering centre."

“Students can use the opportunity to volunteer to develop skills that they wouldn’t necessarily get from a degree course.”



University 'freshers' on a bus tour of charitable projects across Edinburgh, to launch eVOLve, EUSA's new volunteering scheme for first year students.

Going the distance: widening access to first-class education



Professor Jeff Haywood

Within the next decade, the University aims to host a postgraduate community of around 10,000 online learners – approximately half of its total projected taught masters student population.

To fulfil this ambition, the Distance Education Initiative (DEI) was launched in 2010 to encourage each of the University's 22 academic schools to offer at least one postgraduate programme or CPD course online. Growth in this area will further enhance the University's existing online portfolio, which already offers popular postgraduate opportunities in education, law and medical training.

"There are clear examples that the University can deliver academically challenging material that can be assessed at a high level," comments Professor Jeff Haywood, the University's Vice-Principal Knowledge Management and Chief Information Officer. "The University has run online postgraduate programmes for several years. The student satisfaction rate is high and the drop-out rate is low."

High-quality distance education is central to Edinburgh's strategy of widening its worldwide access to postgraduate opportunities. The tightening of UK entry visa restrictions, heightened environmental awareness and global economic pressures are among the many external factors that have the potential to inhibit market demands for traditional campus-based postgraduate education.

"The primary driver behind the DEI is to reach out to working professionals, many of whom will be unable to come to Edinburgh or take a year off from their careers," says Professor Haywood. "The question is: how do you make the leap from using technology as a supplement to, or component of, traditional campus-based education to never seeing your students on the campus at all?"

The DEI provides £4.5 million in funding over a four-and-a-half-year period to support the launch of new online programmes. Schools that wish to be awarded a share of this money must prove that they have a solid academic and financial business case for the postgraduate degree they plan to establish.

One online programme to grow from the DEI is the MSc in Global Challenges. James Smith, Professor of African and Development Studies, proposed the degree after identifying a large demand for postgraduate education in his subject area from applicants who were unable to attend traditional campus-based teaching.

"We were attracting hundreds of qualified applicants but we weren't able to get them here," he explains. "A large number of those who don't come are from developing countries, and for them it's simply an issue of cost. Also, many of our potential students are mid-career professionals, who can't take a year out of their life to come here."

The MSc in Global Challenges draws upon expertise spread across the University's Colleges of Medicine & Veterinary Medicine, Science & Engineering and Humanities & Social Science to offer students a multidisciplinary grounding in the complex factors contributing to worldwide issues, such as climate change, disease and poverty. The flexible 'anywhere, any time' approach that distance education offers is particularly suited to the content of the Global Challenges programme, which cuts across a broad range of internal expertise.

"This model can capture a broader sense of Edinburgh's expertise into lectures," Professor Smith explains. "If you're teaching students to think about international development or global health or environmental issues, they need to learn from a whole range of different disciplines.

Distance education allows us to do that because we can call on medics and engineers and social scientists to contribute to teaching, so in some ways students are getting a far greater connection to the wealth of expertise in Edinburgh."

While online learning may be relatively new territory in the field of development studies, it has already successfully contributed to creating a demand for masters-level professional development in surgery. The MSc in Surgical Sciences, also known as the Edinburgh Surgical Sciences Qualification (ESSQ), was launched in 2007, and has since won a UK E-learning Gold Award for 'best online distance learning programme'. Its success has prompted the creation of a second online surgical qualification, the ChM in General Surgery (the Edinburgh Specialist Surgical Qualification), which was rolled out in 2011.

James Garden, Regius Professor of Clinical Surgery, has been instrumental in setting up both programmes in collaboration with the Royal College of Surgeons of Edinburgh, and believes the benefits of delivering online programmes are immense.

"The last few years have seen major changes in the time allocated for surgical training," he explains. "A reduction in working hours enforced under European law means that the time junior trainees spend training with senior consultants is cut considerably. Distance learning with mentoring delivered by senior consultants allows those gaps in training to be filled successfully and for simulated case scenarios to reinforce the experience in the workplace."

The distance-learning model is also popular among overseas surgeons, and students of the ESSQ are recruited from 40 countries. The Royal Australasian College of Surgeons is quality assuring both surgical programmes with the intent of recommending these to trainees in Australia.

Says Professor Garden: "The feedback has been extremely positive. It's gratifying that the small Edinburgh-based core team and programme now enjoys the support and approval of many colleagues around the world, from Australasia to Africa."

“The primary driver behind the DEI initiative is to reach out to working professionals many of whom will be unable to come to Edinburgh or take a year off from their careers.”



Edinburgh graduate Dr Elena Garde (left) applies expertise gained through her online MSc International Animal Health, in the field.

Making an impact: Roslin research rises to the challenge



Professor David Hume

Researchers are addressing global challenges such as food security and the spread of infectious diseases at a new state-of-the-art facility, based at the University's Easter Bush campus.

The £60 million building, which received significant funding from the Biotechnology and Biological Sciences Research Council (BBSRC), will provide a new home for the Roslin Institute at the University of Edinburgh, replacing the world-renowned institute's former site – near the village of Roslin – where Dolly the sheep was famously cloned.

The facility offers a collaborative hub for 500 scientists, including researchers from the Scottish Agricultural College (SAC), whose work will primarily focus on improving the welfare of livestock animals and the sustainability of livestock production. A further area of Institute research will be comparative medicine, where findings can be applied to improve both animal and human health.

“The new building is designed to maximise cooperation among our experts,” says Professor David Hume, Director of the Roslin Institute. “Our new home will help us tackle complex problems, ranging from fertility and reproduction through to the threats of diseases such as avian flu and tuberculosis to animal welfare and greenhouse gas emissions.”

The three-storey facility at Easter Bush in Midlothian, six miles from the centre of Edinburgh, covers 14,000 square metres and includes laboratories, office space and an auditorium. The building's award-winning design aims to change the way in which science has traditionally been carried out. The open-plan layout encourages scientists from different disciplines to collaborate rather than work in isolation.

Such partnership working is key, and this new facility unites Roslin researchers with colleagues from SAC to collaborate on research that includes identifying genes that would enable cattle to be bred with greater resistance to bovine tuberculosis.

“The kinds of research that are needed to address today's ‘grand challenges’ span the range, from new fundamental understanding of biology to practical innovation,” says Professor Bill McKelvey, Chief Executive of SAC. “That is what is so appealing about the combination of scientists from SAC and the University cheek-by-jowl in the same building.”

Professor David Hume agrees: “Working alongside SAC is a logical step. This collaboration means that we can share our expertise, and by doing so we are better able to ensure that the discoveries we make can be translated with direct applications for use by livestock farmers.”

The Roslin Institute, which joined the University in 2008, has a long tradition of generating impactful research. Its specific areas of expertise include immunology and infectious disease, clinical sciences, genetics and genomics, developmental biology and diseases affecting the nervous system.

Recent headline-hitting research has included the development of genetically modified chickens that are unable to spread bird flu to other poultry. This breakthrough not only has the potential to prevent an avian flu pandemic, but could also have major implications for the global poultry industry, which produces some 55 billion chickens each year.

While the Institute no longer carries out cloning, Dolly the sheep's birth has had major implications in understanding how an animal develops. This includes looking at embryonic stem cells, which have the potential to become any cell type in the body. Investigations in this area have opened up avenues of research into treatments for a range of diseases.

The Roslin Institute shares its new location with the recently opened Royal (Dick) School of Veterinary Studies teaching complex. Both facilities are part of a £1 million development at the University's Easter Bush campus, and their close proximity will serve to strengthen research and teaching links between the two bodies.

“By working with the Vet School we can address many problems, such as trying to prevent outbreaks of viruses that affect both humans and animals as well as how we can use comparative medicine, looking at similarities between animals and humans, to improve treatments for both,” explains Professor Hume. “We are also able to offer opportunities and experience to veterinary students and graduates interested in going into research.”

In this respect, the Roslin Institute, which hosts around 100 PhD students, takes pride in training the next generation of researchers to ensure a strong foundation of expertise for the future. Since joining the University, the Roslin Institute has doubled the number of researchers that it houses.

“The Roslin Institute is very much focused on looking forward, but we are equally proud of our past,” says Professor Hume. “What is important is taking what we have learnt and building on this for the future.”

“Our new home will help us tackle complex problems, ranging from fertility and reproduction through to the threats of diseases such as avian flu and tuberculosis.”

Researchers enjoy their new surroundings at the Roslin Institute at the University of Edinburgh.

A formula for change: Chemistry celebrates a landmark year



Professor Lesley Yellowlees

From unearthing historical artefacts to rewarding progressive scientific research, the University's School of Chemistry had much to celebrate in 2011 – a year that was fittingly designated UNESCO's International Year of Chemistry.

"Chemistry is an exciting subject to explore, and has incredible relevance today," says Lesley Yellowlees, Professor of Inorganic Electrochemistry. "There are so many opportunities for chemists to make a difference to society – for example, people want secure fuel supplies; they want to see progress in the fight against climate change."

The scientist, a former Head of the School of Chemistry, was this year appointed Head of the University's College of Science & Engineering and was also named President Elect of the Royal Society of Chemistry. She is the first woman to assume both roles.

"We take great pride in the School and its achievements," she says. "Celebrating the International Year of Chemistry is a wonderful opportunity to focus on how chemists can tackle the many challenges facing society, such as clean water supply, food security and drug discovery."

"Here at Edinburgh we're in a very strong position to make a significant contribution in meeting these challenges. Attracting the best students helps us to attract the best staff – those two go hand in hand."

"But also you need core expertise. What sets Edinburgh apart is having good labs, good infrastructure and, because there's so much cross-disciplinary work taking place today, very strong abilities in medicine and other science disciplines."

The School fully embraced UNESCO's international campaign to raise awareness of chemistry's worldwide contribution with a series of events to engage students, staff and the local Edinburgh community.

Among the scheduled activities was a screening of the 1943 Marie Curie biopic *Madame Curie* at the city's Filmhouse cinema – also marking the centenary of Curie's second Nobel Prize for Chemistry. Other events included an interactive showcase of chemistry research during the Edinburgh International Science Festival and an art exhibition of chemistry-related images, staged as part of the Edinburgh Festival Fringe.

It was also a year of individual achievements for the School. The University's new Chancellor, HRH The Princess Royal, gave 2011's Chancellor's Award for Research to Mark Bradley, Professor of High-Throughput Chemical Biology. The award recognises Professor Bradley's work in developing polymer microarrays – a technique that allows rapid screening of thousands of compounds to identify those of interest for particular applications, such as drug discovery.

Praise for the School also came from students in the form of two EUSA Teaching Awards. Run by the Students' Association, these awards celebrate teaching excellence and are voted for by students. Chemistry received the prize for Best Department, which was complemented by the award for Best Director of Studies, given to the School's Dr Murray Low.

Chemistry has been taught and practised at Edinburgh since 1713. Among the School's notable alumni is Professor Joseph Black, who first identified carbon dioxide. The famous scientist, who was a key figure in the Scottish Enlightenment, was a student at Edinburgh from 1752–54 and went on to become Professor of Chemistry in 1766.

Professor Black's connection to the University was reaffirmed following a number of discoveries made during an archaeological dig at the Old College quadrangle in 2011. Among these were scientific apparatus and chemicals, thought to have once belonged to the pioneering chemist, and are estimated to date from the 18th century. Samples of mercury, arsenic and cobalt were found together with glass tubes and other vessels, bottle stoppers and thermometers, storage jars and ceramic distillation apparatus. The scientific items will be added to the University's Special Collections.

"It's a wonderful coincidence that Joseph Black's laboratory equipment was uncovered as we celebrate all that chemistry has achieved and the contribution chemists will make in solving the many challenges facing society," comments Professor Yellowlees.

"There's a direct link between one of the University's great pioneers discovering carbon dioxide and the cutting-edge research being done in our labs today, as our scientists work to capture CO₂ from the atmosphere and recover the carbon for use in new compounds. It's wonderful that we can trace this expertise in a direct link going back hundreds of years."

Although the School of Chemistry treasures its links to the past, it is also very much focused on the future.

"It's important that we look beyond this year of celebration, to consider not just those accomplishments already realised, but to anticipate what we might achieve in the future," says Professor Yellowlees. "We're looking forward to continuing our celebrations into 2013, when it will be the 300th anniversary of chemistry at Edinburgh."

“What sets Edinburgh apart is having good labs, good infrastructure and, because there’s so much cross-disciplinary work taking place today, very strong abilities in medicine and other science disciplines.”



Celebrating six decades as Chancellor



In 1953 HRH The Prince Philip, Duke of Edinburgh became Chancellor of the University of Edinburgh. Almost 60 years later His Royal Highness retired from the role and 2011 saw the instalment of HRH The Princess Royal as his successor.

The last six decades have seen enormous changes at the University of Edinburgh. In the 1950s, around half of the 4,500 or so students who attended the institution came from within 30 miles of Edinburgh. Today, the University has some 28,000 students, a third of whom are international. The University campus itself has seen huge growth since the 1950s and today boasts modernised, leading-edge research facilities, lecture theatres and residential accommodation located throughout the city.

One of the constants at the University during this time has been the presence of His Royal Highness The Prince Philip, Duke of Edinburgh. Since his installation as Chancellor in 1953, he has overseen the University's development, providing invaluable support and guidance to senior University officers, staff and students alike.

His passionate belief in the positive benefits of education as well as an innate inquisitiveness in scientific development has been evident during his time as Chancellor.

His Royal Highness has conferred a number of honorary degrees to contemporary world figures, and he has formally opened a huge number of University buildings. Beyond this, he has always been keen to see the on-the-ground results of the research work carried out by staff and students, and to provide encouragement wherever possible.

Over the years our students have greatly appreciated the former Chancellor's involvement in their University and today they continue to recognise his commitment to the institution.

In his inauguration speech in 1953, the Chancellor told the assembled throng that: "I hope you will find in me a constant desire to further the best interests of the University." In 2011, it can be clearly said that that promise has been more than kept.

HRH The Prince Philip, Duke of Edinburgh on the occasion of his instalment as Chancellor of the University, 4 November 1953.

1953



HRH The Prince Philip Duke of Edinburgh makes his address on the occasion of his instalment as Chancellor, McEwan Hall, November 1953.

1963



The honorary graduation of Sir Robert Menzies, Prime Minister of Australia, McEwan Hall, July 1963.

1981



Examining plans for the refurbishment of student accommodation at Mylnes Court, displayed in the Rainey Hall, New College, July 1981.

Arriving for the Lord Mountbatten Lecture, Old College, October 1962.



1962

Leaving the graduation ceremony on the Medical Faculty's 250th anniversary.



1976

A message from Prince Philip to the Edinburgh University Rugby Football Club, March 1990.



1990

A new era

HRH The Princess Royal was installed as the Chancellor of the University on Monday 26 September 2011. The event took place at the Old College Quadrangle and heralded the reopening of the quad following a significant landscaping project, made possible by the generosity of an anonymous donor. The Princess Royal is the University's eighth Chancellor in the 150-year history of the position. The Princess Royal is also Patron of the University's Royal (Dick) School of Veterinary Studies. The ceremony took place in front of staff and students and was followed by refreshments on Old College lawn. The Chancellor also unveiled a plaque to mark the newly completed landscaping of the quadrangle.



HRH The Princess Royal on the occasion of her instalment as Chancellor of the University, 26 September 2011.

The University's Chancellors

1953–2010

HRH The Prince Philip, Duke of Edinburgh

1946–1952

The Marquis of Linlithgow

1937–1940

Baron Tweedsmuir of Elsfield

1930–1937

Sir James Matthew Barrie, Bt

1891–1930

The Earl of Balfour

1868–1891

The Right Honourable John Inglis

1859–1868

Baron Brougham and Vaux

2002

HRH opens the Chancellor's Building, the University's main teaching facility for the Medical School, August 2002.



The Chancellor with HRH Prince Alwaleed Bin Talal Bin Abdulaziz Al Saud, Chairman of the Kingdom Foundation, at the signing ceremony for the establishment of an Islamic Studies research centre, Buckingham Palace, 2008.



2008

2009

Prince Philip with University guests at Buckingham Palace, 2009.



HRH at his final public engagement as Chancellor, opening the University's Clinical Research Imaging Centre, October 2010.



2010

2011

HRH The Princess Royal is installed as the Chancellor of the University of Edinburgh, September 2011.



Research news in brief

A round-up of some of the University of Edinburgh's developments and discoveries during the 2010/11 academic year

1 Improving MS patients' lives

Author JK Rowling donated £10 million to establish a University of Edinburgh research centre dedicated to improving outcomes for multiple sclerosis (MS) sufferers. Named after the Harry Potter creator's late mother, the Anne Rowling Regenerative Neurology Clinic aims to improve treatment options for MS patients and those with other degenerative neurological conditions. The clinic's researchers have already shown that the condition could be reversed using stem cells that repair injury in the central nervous system. MS affects almost 100,000 people in the UK and several million worldwide. It is most commonly found in young adults between the ages of 20 and 40.

3 Understanding risky banking

Bigger bonuses in pay can lead to increased risk-taking behaviour among banking executives, according to research carried out by the University of Edinburgh Business School and the University of Leeds. The study, which analysed US bank acquisitions from 1993–2007, revealed that banks are more likely to engage in risky takeovers when their executives are personally compensated for doing so. Consequently, the amount of risk taken on by banks – a major factor in the ongoing financial crisis – is a direct result of the amount of incentives given to banking employees.

5 Retrieving family history from DNA

Research conducted at the University shows that an individual's DNA records an historical archive of where they come from. The study has found that it is possible to determine whether a person's ancestors came from small, isolated communities, or from large, cosmopolitan populations, and also whether a person's parents or ancestors were related in any way. The findings could help to identify those communities where low genetic diversity could increase the risk of genetic illnesses, such as cystic fibrosis. Scientists analysed the DNA of more than 1,000 people across 51 ethnic groups, including Amazonian tribes in South America, Europeans and Pacific Islanders.

2 Creating smooth-talking gadgets

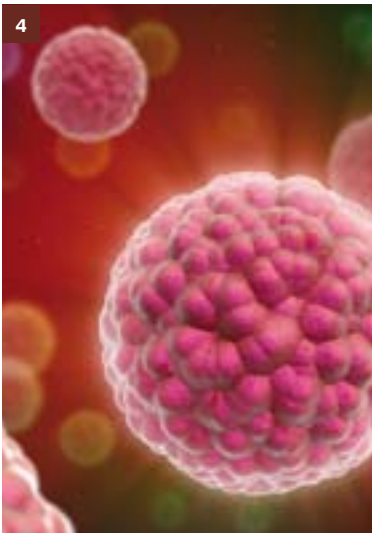
University scientists are to develop voice-activated devices that can interact with people in a natural and intelligent way, following significant five-year funding from the Engineering and Physical Sciences Research Council. Using sophisticated computing techniques, the project team – comprising academics from the universities of Edinburgh, Cambridge and Sheffield – will create technology that can follow the flow of a conversation, recognise an individual's voice and become familiar with a person's vocabulary, accent and vocal expressions. It is hoped the work will lead to computer speech technology becoming a regular part of people's lives.

4 Advancing cancer treatment

University chemists are a step closer towards developing technology that could significantly reduce the side effects experienced by patients receiving chemotherapy. Researchers have created a miniature device that triggers reactions in cells by delivering tiny quantities of palladium – a metal not naturally found in human cells – that works without altering everyday cell functions. It is hoped that by manipulating cell activity in this way, the discovery could create opportunities for delivering therapies directly to the site of a tumour, which could safeguard the rest of the patient's body and help curb chemotherapy side effects such as sickness, hair loss and weakened immunity.

6 Informing Government policy

The Scottish Government is funding research at the University's Scottish Centre for Diaspora Studies to better understand the migration of Scots from their homeland. The research will inform Government policy on engaging with the estimated 40 million individuals worldwide who share a connection with Scotland. Led by Professor Tom Devine, the Scottish Centre for Diaspora Studies was launched in 2008 to reassess how Scotland contributed to the shaping of the modern world. Its key focus is to examine how Scots influenced societies, economies and cultures around the globe. The funding will support one PhD studentship and three postdoctoral fellowships at the Centre.



Research news in brief

A round-up of some of the University of Edinburgh's developments and discoveries during the 2010/11 academic year

7 Saving lives with a simple test

University research is paving the way for a simple urine test that could detect cancers in the gut, stomach and pancreas. Scientists have identified key proteins in the urine of patients with advanced cancers and the findings could help the detection of these cancers in people who have not yet started to show symptoms of the disease. This would enable patients to be diagnosed much earlier, leading to increased survival rates. Only around 10 per cent of patients with these cancers – known as cancers of the upper gastrointestinal tract – are still alive five years after diagnosis.

9 Finding a language-learning gene

A key genetic discovery by University researchers could help explain how people learn language. The scientists found a gene, called ROBO1, which is linked to the mechanism in the brain that helps infants develop speech. A five-year study, which assessed the language learning techniques of 538 families with up to five offspring, revealed that one version of the ROBO1 gene greatly enhanced a core component of language learning. The team believes the discovery may help in the understanding of speech disorders, dyslexia and short-term memory problems affecting as many as one in 10 children in the UK.

11 Publishing hidden stories

Lost tales of a Hebridean Atlantis, magical water horses and Robert Burns' murderous ancestors were unearthed in a major study of Scotland's foremost Victorian folklorist, Alexander Carmichael. A team from the University's Special Collections transcribed, catalogued, indexed and imaged the storyteller's notebooks and published them online. The publication is the third part of the Carmichael Watson Project, a decade-long programme aiming to unlock one of the world's major folklore resources. An Arts and Humanities Research Council grant allowed researchers and archivists to spend two years deciphering and transcribing Carmichael's notoriously bad handwriting.

8 Uncovering frozen fjords

Edinburgh scientists have discovered a landscape of deep fjords in Antarctica, carved by millions of years of ice movement. The researchers say the find, in a part of East Antarctica roughly the size of France, provides valuable insight into how the ice sheet formed and how ice in the region might melt if ocean temperatures rise. The discovery is part of the research team's wider initiative to map Antarctica's landscape, using radar data acquired by flying across the continent in a refurbished 1942 DC-3 plane. Edinburgh researchers worked with colleagues from the University of Texas, the Australian Antarctic Division and the Antarctic Climate and Ecosystems Cooperative Research Centre.

10 Preventing the spread of disease

Research has unveiled fresh insights into foot-and-mouth disease that could help develop alternatives to the mass culling of farm animals. Scientists discovered that diagnosis of foot-and-mouth disease is possible during a window of approximately 24 hours before an animal becomes infectious. The researchers say that if diagnostic tools can be developed to test animals in the field, it may be possible to separate infected animals from those that are healthy to curb spread of the disease. Similar studies could be performed for other acute viral diseases to help refine our understanding of how diseases spread and how best to control an outbreak.

12 Identifying dangers in diesel

University research has revealed that tiny chemical particles emitted by diesel exhaust fumes could raise the risk of heart attacks. Their studies revealed that the ultrafine particles produced when diesel burns are harmful to blood vessels and can increase the chances of blood clots forming in arteries, leading to a heart attack or stroke. The 'invisible' particles can be filtered out of exhaust emissions by fitting special particle traps to vehicles. Researchers want environmental health measures that are designed to reduce emissions to be tested to determine whether they reduce the incidence of heart attacks.



Financial review

The overall financial performance of the University during the past 12 months has been very positive, with a surplus of £42 million being achieved on a turnover of £651 million, as a result of continuing action to increase income and control costs across the University. This is against a background of reductions in Scottish Funding Council funding for 2011/2012, and the likely impact of continuing global financial uncertainty.

On the income side, it should be noted:

- **tuition fees grew by nearly 13%, in the main due to particularly strong growth in international student and postgraduate student numbers;**
- **research income fell 2%, with particular falls in UK and Scottish Government bodies and health authorities' income, but it was encouraging to see that the competitive area of Research Council funding saw growth of more than 2%;**
- **other income grew by 11%, reflecting strong performances from our subsidiary companies.**

On the expenditure side, staff numbers and costs were reduced through careful management in the filling of posts and a continuing programme of early retirement.

The University Development Trust had a strong year, receiving £23.4 million of donations towards University programmes, including £10 million provided by J K Rowling to support the establishment of the Anne Rowling Regenerative Neurology Clinic, a further £2 million of an £8 million pledge from the Alwaleed Bin Talal Foundation, towards the Centre for the Study of Islam in the Contemporary World, and £200,000 of a £1 million pledge towards the establishment of the Handa Chair in Japanese-Chinese Relations.

This financial support, together with the retained surplus, is enabling the University to maintain its forward momentum – as we move to a new funding environment for teaching – and also pursue our key strategic aims by investing in new staff and our estate and infrastructure, while at the same time addressing rising non-staff costs.

We opened a number of new teaching and research facilities throughout 2011. Major developments include:

- **the new veterinary teaching building at Easter Bush, opened in September 2011;**
- **in June 2011, scientists from the Roslin Institute at the University officially took up residence in a new purpose-built centre, with partners from the Scottish Agricultural College;**
- **construction of the Scottish Centre for Regenerative Medicine at Edinburgh's BioQuarter was completed, and the facility is now being fitted out to be operational in early 2012;**
- **further phases of the Main Library redevelopment have been completed. The transformation has been impressive; the library now provides a state-of-the-art student study space.**

In the past year, we commenced a University-wide project to substantially increase online distance learning at postgraduate level, as part of the University's strategy to enhance its reputation by delivering high-quality education, while diversifying our income streams.

University staff continued to produce high-quality research across a diverse range of fields throughout the past financial year. Taking advantage of our strong financial performance, we are looking to invest in up to 100 Chancellor's Fellowships, to attract the very best early-career academic staff, and also to expand the number of scholarships for postgraduate research students. These actions are aimed at giving a strong boost to our long-term research performance.

The total value of the Endowment Fund increased during the year from £200 million to £236 million, reflecting capital appreciation of £24 million – as markets continued to recover – and new receipts of £12 million. The overall performance of the fund was 15.1% - this is 2.3% above the benchmark set by the Investment Committee.

A year ago we reported that the University was negotiating mergers with Edinburgh College of Art (ECA) and the Human Genetics Unit (HGU) of the Medical Research Council, based at Edinburgh's Western General Hospital. Following Scottish Parliament approval, the ECA merger took place on 1 August 2011 bringing considerable benefits to students, the arts and creative industries and, more widely, to Scottish higher education, society and the economy. The University has also now completed the merger of the Human Genetics Unit, to form the Institute of Genetics and Molecular Medicine, one of the largest groupings of human molecular genetics research capability in the UK.

In the past year we have seen the introduction of variable fees of up to £9,000 in England and the reactive announcements by the devolved governments across the UK. The Scottish Government's Spending Review has been encouraging for the University of Edinburgh, and should result in our overall funding keeping pace with our UK competition. Though effectively obliged to introduce £9,000 fees for non-Scottish domiciled students from the rest of the UK, the University is also introducing a very generous bursary scheme for young people from across the UK, and has established a fund in the region of £10 million to offer financial support to a large number of Scottish-domiciled students. The improved level of certainty as regards our Scottish Government funding gives us a good base to continue to improve across our wide range of internationally competitive activities.

It is enormously encouraging that the University has succeeded in maintaining its strong forward academic and financial momentum in a very challenging economic and funding environment, and we look to the future with cautious optimism.

Group income and expenditure account for the year ended 31 July 2011

	2011	2010
	£'000	£'000
Income		
Funding council grants	189,508	197,778
Tuition fees and education contracts	123,800	109,940
Research grants and contracts	180,990	185,279
Other income	146,408	131,391
Endowment and investment income	10,123	9,591
Total income	650,829	633,979
Expenditure		
Staff costs	331,177	339,749
Other operating expenses	245,528	243,008
Depreciation	25,579	24,333
Interest payable	4,798	6,745
Total expenditure	607,082	613,835
Surplus on continuing operations after depreciation of assets at valuation and before taxation		
	43,747	20,144
Loss on disposal of fixed assets	(66)	(997)
Taxation	(20)	(3)
Minority interest	16	(8)
Transfers accumulated income in endowment funds	(1,454)	(820)
Surplus for the year retained within general reserves	42,223	18,316

Group balance sheet as at 31 July 2011

	2011	2010
		Restated*
Fixed assets	1,347,246	1,298,176
Endowment assets	236,512	200,348
Net current assets	86,181	37,552
Total assets less current liabilities	1,669,939	1,536,076
Creditors: amounts falling due after more than one year	(54,025)	(55,169)
Provisions for liabilities and charges	(6,800)	(8,077)
Pension liabilities	(68,174)	(76,833)
Total net assets	1,540,940	1,395,997
Represented by		
Deferred capital grants	336,992	278,263
Endowments		
Expendable	158,686	137,000
Permanent	77,826	63,348
Total endowments	236,512	200,348
Reserves		
Revaluation reserve	717,272	728,324
General reserves excluding pension liability	318,338	265,879
Pension reserve	(68,174)	(76,833)
Total reserves	967,436	917,370
Minority interests	–	16
Total funds	1,540,940	1,395,997

*The Group balance sheet for 2010 has been restated as fixed assets now include the value of the University's Heritage Assets.

This information reflects the audited accounts for the year to July 2011, published in December 2011. Anyone requiring further information is invited to contact the University's Director of Finance.

Honorary graduations and other distinctions

Those awarded honorary degrees between 1 August 2010 and 31 July 2011



Mrs Ann McKay
International Student
Support Officer, the
University of Edinburgh
(retired)
Master of Arts



Ms Maggie Cheung
Actress
Doctor *honoris causa*



Mr Ignacio S Galan
Chairman and CEO,
Iberdrola
Doctor *honoris causa*



**Professor K
VijayRaghavan**
Director, the National
Centre for Biological
Sciences (Tata Institute of
Fundamental Research),
Bangalore
Doctor of Science



**Professor John Thomas
Casteen III**
President, the University
of Virginia
Doctor *honoris causa*



Mr Melvyn Cornish
Secretary, the University
of Edinburgh (retired)
Doctor *honoris causa*



Ms Katherine Grainger
Olympic medallist
and rower
Doctor *honoris causa*



**Mr António
Horta Osório**
CEO, Lloyds Banking
Group plc
Doctor *honoris causa*



**Professor Angus John
Macintyre**
Research Professor of
Mathematics, Queen
Mary, University of
London
Doctor of Science



Ms Olivia Giles
Chief Executive, 500
miles charity
Doctor *honoris causa*



Ms Irina Bokova
Director-General,
UNESCO
Doctor *honoris causa*



Professor Alan Peters
Waterhouse Professor
of Anatomy and
Neurobiology, Boston
University School of
Medicine (retired)
Doctor of Science



Sir Gerald Gordon
Sheriff of Glasgow and
Strathkelvin (retired)
Doctor of Laws



**Professor Angus
Deaton**
Dwight D Eisenhower
Professor of Public
International Affairs,
Woodrow Wilson School
and the Department
of Economics,
Princeton University
Doctor of Science
in Social Science



**Professor Harold
Vincent Poor**
Michael Henry Strater
University Professor of
Electrical Engineering
and Dean of Engineering
and Applied Science,
Princeton University
Doctor of Science



Mrs Margaret Scott Jordan

Senior Receptionist KB House, the University of Edinburgh (retired)
Honorary Fellowship of the University



President Martti Oiva Kalevi Ahtisaari

Former President of Finland and Nobel Peace Prize winner
Doctor honoris causa

Benefactors

This award recognises as University benefactors individuals or organisations that have made significant contributions, financial or otherwise, to the University.



The late Professor Noreen Murray

Emeritus Professor of Molecular Genetics, the University of Edinburgh
Doctor of Science



Dr Iain William Mattaj

Director General, European Molecular Biology Laboratory
Doctor of Science



Mr Ronald Storey

Ronald Storey donated £1.26 million to the University, honouring a pledge he made to his lifelong friend, Edinburgh graduate Dr George Birtwisle. These funds will play a major part in the creation of a new imaging centre at the Medical School.



Ms Dorothy Jane Armstrong

Programme Director, NHS Education Scotland
Doctor of Science in Social Science



Madame Jeanne Marchig

Chairperson, the Marchig Animal Welfare Trust
Doctor honoris causa



Sir Nicholas Thomas Grimshaw

President, the Royal Academy of Arts and Chairman, Grimshaw Architects
Doctor of Science in Social Science



Professor Stephen K Chapman

Principal and Vice-Chancellor, Heriot-Watt University, and former Professor of Chemistry, the University of Edinburgh
Doctor of Science



Professor Robert J Donovan

Director of Synchrontron Radiation Strategy, the Science and Technology Facilities Council, Professor of Chemistry, the University of Edinburgh (retired)
Doctor of Science

Awards and achievements

Awards and accolades bestowed upon members of staff and associates of the University of Edinburgh between 1 August 2010 and 31 July 2011

Queen's Honours

New Year Honours List

Mrs Ann Mckay, retired International Student Support Officer, was awarded an MBE for services to higher education.

Birthday Honours List

Mrs Lesley Forrest, Senior Administrative Assistant in Finance, was awarded an MBE for voluntary service to transplant athletics.

Mrs Jill Pilkington, School of Biological Sciences Research Associate, was awarded an MBE for services to science.

University awards

Chancellor's Awards

These awards are given in recognition of innovation, relevance, creativity and personal dedication in teaching and research. They are presented annually by the University's Chancellor.

James Garden, Regius Professor of Clinical Surgery and Honorary Consultant Surgeon, was awarded the Teaching Award.

Peter Sandercock, Professor of Medical Neurology, was awarded the Research Award.

Euan Brechin, Professor of Coordination Chemistry, was awarded the Rising Star Award.

Principal's Medal

This annual award recognises staff or students who, as individuals or groups, have made a significant contribution to support or benefit the wider community.

The 2010 award was made to **Mr Paul Nisbet**, Senior Research Fellow at the School of Education and Joint Coordinator of Communication Access Literacy and Learning (CALL) Scotland.

Tam Dalyell Prize for Excellence in Engaging the Public with Science

This annual prize recognises an individual or group for work with a focus on science communication.

The 2010 award was given to **Professor José Torero**, BRE/RAE Chair in Fire Safety Engineering, Head of the Institute for Infrastructure and Environment and Director of the University's BRE Centre for Fire Safety Engineering.

EUSA Teaching Awards

The EUSA Teaching Awards reward teaching excellence across 10 categories.

2011 winners

Best Feedback: **Dr Paul Nimmo**, Divinity

Best Director of Studies: **Dr Murray Low**, Chemistry

Teach First Innovative Teaching:

Dr Simon Bates, Physics

KPMG Teaching Employable Skills:

Dr Dimitris Theodossopoulos, Architecture

Vitae Postgraduates Who Tutor:

Mr Robert Concannon, Physics

Best Course: ***Ethnography: Theory and Practice***, Social Anthropology

Best Department: **Chemistry**

Kendell Award for Teaching in Medicine:

Dr David Apps, Biomedical Sciences

Campbell Award for Teaching in Humanities and Social Sciences: **Dr Alasdair Richmond**, Philosophy

Van Heyningen Award for Teaching in Science and Engineering: **Dr Maria Chamberlain**, Biological Sciences

Endsleigh Overall High Performer:

Ms Yvonne Foley, Education (TESOL)

Fellowships

Royal Society

Robin Allshire, Professor of Chromosome Biology, was elected to the Fellowship of the Royal Society.

Royal Society of Edinburgh

Edinburgh academics elected to the Fellowship of the Royal Society of Edinburgh in 2011 were:

- **Professor Nigel Brown**, Vice-Principal and Head of the College of Science & Engineering
- **Ian Bryden**, Professor of Renewable Energy
- **Wenfei Fan**, Professor of Web Data Management
- **James Ironside**, Professor of Clinical Neuropathology
- **Nigel Osborne**, Reid Professor of Music

- **Duncan Pritchard**, Professor of Epistemology
- **Jonathan Spencer**, Professor of the Anthropology of South East Asia
- **Andrew Taylor**, Professor of Astrophysics
- **Arthur Trew**, Professor of Computational Science
- **Brian Walker**, Professor of Endocrinology
- **Neil Walker**, Regius Professor of Public Law and the Law of Nature and Nations
- **Joanna Wardlaw**, Professor of Applied Neuroimaging
- **James Wright**, Professor of Mathematical Analysis

Royal College of Physicians of Edinburgh

Dr Jim Wilson, Royal Society University Research Fellow, was elected to the Fellowship of the Royal College of Physicians of Edinburgh.

International recognition

Canada Gairdner International Award

Adrian Bird, Buchanan Professor of Genetics, was awarded the Canada Gairdner International Award, which rewards the world's most creative and accomplished biomedical scientists.

Arnaldo Bruno International Prize

Jane Norman, Professor of Maternal and Fetal Health, was awarded the Arnaldo Bruno International Prize for Gynaecology by the Accademia Nazionale di Lincei in Rome.

Universitas 21

Mr Andrew Jones, an undergraduate student of Chinese, was awarded for Most Imaginative Research in the poster presentation category at the Universitas 21 Undergraduate Research Conference in Melbourne.

Influential leaders

Royal Society of Chemistry

Professor Lesley Yellowlees, Head of the College of Science & Engineering, was elected the first female President of the Royal Society of Chemistry.

Finance Director of the Year

Mr Jon Gorrington, the University's Director of Finance, was named 2011 Finance Director of the Year for the public/not-for-profit sector in Scotland.

PRACE Scientific Steering Committee

Richard Kenway, Tait Professor of Mathematical Physics, was appointed Chair of the PRACE Scientific Steering Committee.

British Pharmacological Society

David Webb, Christison Professor of Therapeutics and Clinical Pharmacology, was elected the British Pharmacological Society's Vice-President – Meetings.

Neuroendocrinology

Alison Douglas, Professor of Reproductive Neuroendocrinology, was appointed Chairman of the British Society of Neuroendocrinology.

Professor Gareth Leng, Head of the School of Biomedical Sciences, was made an Honorary Member of the British Society of Neuroendocrinology and elected the President of the International Neuroendocrinology Federation.

Innovators in research and technology

Medical Futures Innovation Awards

Professor David Porteous, Chair of Human Molecular Genetics & Medicine, was part of a team that won Best Therapeutic Innovation in the Respiratory Innovation category, and also the overall prize for Translational Research Innovation.

William Farr Medal

Professor Scott Murray, St Columba's Hospice Chair of Primary Palliative Care, was awarded the William Farr Medal, which honours medical practitioners who have made a significant contribution to the management of elderly people as part of original innovative work in the UK.

Molecular Ecology Prize

Josephine Pemberton, Professor of Molecular Ecology, was the recipient of the 2010 prize.

Nexus Life Sciences Awards

Professor Ken Murray and his late wife, **Professor Noreen Murray**, received the Nexus Lifetime Achievement Award (East).

Dr Ben Panter and **Professor Alan Heavens**, both from the School of Physics & Astronomy, were together awarded two prizes, the Innovation Award and the Collaboration Award.

Dr Asier Unciti-Broceta, from the School of Chemistry, was awarded the Nexus Life Sciences Young Scientist of the Year Award (East).

Lloyd's Science of Risk Prize

Dr Francesco Colella, from the University's BRE Centre for Fire Safety Engineering, was awarded the Technological Risk Prize.

Mr Craig Poland, Colt Foundation Postgraduate Fellow in Medicine, was the runner-up in the Technological Risk category.

Bioquarter Innovation

Dr Felix Agakov and **Professor Paul McKeigue**, from the Centre for Population Health Sciences, won first prize for their company concept Pharmatics Limited.

Mr Keith Muir, a PhD student from the School of Engineering, was awarded first runner-up.

European Research Council Advanced Investigator Award

Richard Morris, Professor of Neuroscience, received the College of Medicine & Veterinary Medicine's first European Research Council Advanced Investigator Award. He will jointly hold the grant, worth more than €3 million, with Professor Guillen Fernandez of the Donders Institute, the Radboud University, Nijmegen, the Netherlands.

European Human Behaviour and Evolution Associations's New Investigator Award

Dr Thom Scott-Phillips, a Leverhulme Early Career Fellow with the Language Evolution and Computation Research Unit at the School of Philosophy, Psychology & Language Sciences, was awarded this prestigious prize.

James Croll Medal

Geoffrey Boulton, Senior Honorary Fellow, former Vice-Principal and Emeritus Regius Professor of Geology, was awarded the Quaternary Research Association's James Croll Medal.

Hinshelwood Award

Dr Guillermo Rein, Senior Lecturer in Mechanical Engineering, received the 2010 Hinshelwood Award at the Annual General Meeting of the Combustion Institute, held at the University of Cambridge.

Lister Research Prize

Dr Michael Eddleston, Scottish Senior Clinical Research Fellow, was awarded the Lister Research Prize for his work on organophosphorus pesticide poisoning.

Scottish National Body of Radiographers

The Clinical Research Imaging Centre's positron emission tomography radiographers were named Radiography Team of the Year for Scotland in these awards.

Alastair Donald Award

Dr Roy Robertson, Honorary Clinical Reader, was awarded (jointly with Dr Jim Douglas) the Scottish Royal College of General Practitioners' Alastair Donald Award for research in general practice.

International Society of Neurochemistry

Giles Hardingham, Professor of Molecular Neurobiology, was awarded the International Society of Neurochemistry's Young Scientist Lectureship Award.

Rising stars

Hickinbottom Award

Dr Hon Wai Lam, Senior Lecturer in Organic Chemistry, won the Royal Society of Chemistry's Hickinbottom Award, which is granted for researchers under the age of 35, working in organic chemistry.

Nick Hales Award

Dr Rebecca Reynolds, Reader in Endocrinology and Diabetes and Honorary Consultant Physician, received the Nick Hales Award of the International DoHad Society. The accolade is given in recognition of the high achievement of an investigator under the age of 45.

Making an impact

Royal Society of Edinburgh Beltane Prizes for Public Engagement

Aubrey Manning, Emeritus Professor of Natural History, was awarded the inaugural 2011 RSE Beltane Senior Prize for Public Engagement.

Ms Joanna Brooks, Psychology PhD research student, was awarded the RSE Beltane Innovator's Prize for Public Engagement.

Rooke Medal

Professor Chris Bishop, Chair of Computer Science, was awarded the Royal Academy of Engineering's Rooke Medal.

E-Learning awards

The University of Edinburgh and the **Royal College of Surgeons, Edinburgh** were awarded Gold in the Best Online or Distance Learning (Education) category for their joint MSc in Surgical Sciences.

Appointments

**Appointments commenced between
1 August 2010 and 31 July 2011**

College of Humanities & Social Science

Personal Chairs

Professor Peter John Davies
Personal Chair of Modern German Studies

Professor John Henry
Personal Chair of History of Science

Professor David John Howarth
Personal Chair of Baroque Art

Professor Simon King
Personal Chair of Speech Processing

Professor John Richard Lee
Personal Chair of Digital Media

Professor Wendy Loretto
Personal Chair of Organisational Behaviour

Professor Susan McVie
Personal Chair of Quantitative Criminology

Professor Burkhard Schafer
Personal Chair of Computational Legal Theory

Professor Niamh Nic Shuibhne
Personal Chair of European Union Law

Professor James Smith
Personal Chair of African and Development Studies

Professor Richard John Williams
Personal Chair of Contemporary Visual Cultures

Professorships

Professor David Gordon Arthur Castle
Chair of Innovation in the Life Sciences

Professor Michael William Leamington Elsby
Professor of Economics

Professor Volker Mahnke
Chair of International Business

Honorary Professors

Dr David Batty
School of Philosophy, Psychology & Language
Sciences

College of Medicine & Veterinary Medicine

Personal Chairs

Professor Catherine Abbott
Personal Chair of Mammalian Molecular Genetics

Professor Michael Cousin
Personal Chair of Neuronal Cell Biology

Professor Colin Farquharson
Personal Chair of Skeletal Biology

Professor Thomas Gillingwater
Personal Chair of Neuroanatomy

Professor Giles Hardingham
Personal Chair of Molecular Neurobiology

Professor Lindsay Thomson
Personal Chair of Forensic Psychiatry

Professor Rowan Parks
Personal Chair of Surgical Sciences

Professor Neil Sargison
Personal Chair of Farm Animal Practice

Professor Kim Summers
Personal Chair of Comparative Genetics

Professor Bruce Whitelaw
Personal Chair of Animal Biotechnology

Professorships

Professor Tim Walsh
Chair of Critical Care

Professor Natalie Waran
Jeanne Marchig Chair of Animal Welfare
and International Centre for Animal Welfare
Education

Senior Honorary Professorship

Professor Douglas Blackwood
School of Molecular & Clinical Medicine

Honorary Professors

Professor David Bates
School of Clinical Sciences & Community Health

Professor Javier Caceres
School of Molecular & Clinical Medicine

Professor Seamas Donnelly
School of Clinical Sciences & Community Health

Professor Margaret McQueen
School of Clinical Sciences & Community Health

College of Science & Engineering

Personal Chairs

Professor David Arnot
Personal Chair of Molecular Parasitology

Professor Arjun Berera
Personal Chair of Theoretical Physics

Professor Ian Chambers
Personal Chair of Pluripotent Stem Cell Biology

Professor Luigi Del Debbio
Personal Chair of Theoretical High-Energy Physics

Professor Harald Haas
Personal Chair of Mobile Communications

Professor of Alex Lascarides
Personal Chair of Semantics

Professor Patrick Meir
Personal Chair of Ecosystem Science

Professor Andrew Rambaut
Personal Chair of Molecular Evolution

Professor Juri Rappsilber
Personal Chair of Proteomics

Professor Alex Simpson
Personal Chair of Foundations of Computer
Science

Professor Sethu Vijayakumar
Personal Chair of Robotics

Professor Barbara Webb
Personal Chair of Biorobotics

Professor Mathew Williams
Personal Chair of Global Change Ecology

Professorships

Professor Andrew Donald Gordon
Chair in Computer Security

Senior Honorary Professorships

Professor Richard Carter
School of Biological Sciences

Professor Brian Charlesworth
School of Biological Sciences

Professor Christopher Hall
School of Engineering

Professor Andrew Illius
School of Biological Sciences

Professor Richard Nelmes
School of Physics & Astronomy

Professor David Rankin
School of Chemistry

Honorary Professors

Professor Keith Ball
School of Mathematics

Appendix 1

Undergraduate applications and acceptances

2003 year of entry	Men	Women	Total
Applications*	14,578	17,869	32,447
Places taken up	1,836	2,344	4,180
2004 year of entry	Men	Women	Total
Applications*	16,692	20,386	37,078
Places taken up	1,908	2,439	4,347
2005 year of entry	Men	Women	Total
Applications*	18,767	22,959	41,726
Places taken up	2,043	2,477	4,520
2006 year of entry	Men	Women	Total
Applications*	20,578	24,636	45,214
Places taken up	1,842	2,319	4,161
2007 year of entry	Men	Women	Total
Applications*	22,174	26,609	48,783
Places taken up	1,936	2,442	4,378
2008 year of entry**	Men	Women	Total
Applications*	21,193	24,462	45,655
Places taken up	2,221	2,618	4,839
2009 year of entry**	Men	Women	Total
Applications*	22,523	25,299	47,822
Places taken up	2,479	2,870	5,349
2010 year of entry**	Men	Women	Total
Applications*	21,601	25,657	47,258
Places taken up	1,631	2,190	3,821
2011 year of entry**	Men	Women	Total
Applications*	18,549	22,189	40,738
Places taken up	1,981	2,895	4,876

* Figures defined as number of applications received in each cycle for entry in the same year or deferred entry the following year.

** UCAS reduced the number of applications per applicant from six to five from the 2008 entry cycle.

Appendix 2

Student numbers

Headcount by level of study and gender

	Undergraduate	Taught Postgraduate	Research Postgraduate	Total
Female	10,784	3,327	2,055	16,166
Male	8,322	2,310	2,176	12,808
Total	19,106	5,637	4,231	28,974

Headcount by College

	2010/2011
Humanities & Social Science	16,796
Medicine & Veterinary Medicine	4,134
Science & Engineering	8,044
Total	28,974

Headcount by domicile region on entry

	2010/2011
Scotland	11,935
Other UK	7,310
EU	3,245
Overseas	6,360
Channel Islands and Isle of Man	124
Total	28,974

Top 10 non-UK domicile on entry

	2010/2011
United States of America	1,856
China (People's Republic)	1,072
Germany	453
Canada	392
Ireland	356
Greece	340
India	294
France (includes Corsica)	283
Malaysia	241
Italy (includes Sardinia, Sicily)	205

Top 10 non-EU domicile on entry

	2010/2011
United States of America	1,856
China (People's Republic)	1,072
Canada	392
India	294
Malaysia	241
Hong Kong	183
Norway	174
Taiwan ROC	157
Singapore	154
Japan	141

Top 10 EU domicile on entry

	2010/2011
Germany	453
Ireland	356
Greece	340
France (includes Corsica)	283
Italy (includes Sardinia, Sicily)	205
Poland	201
Bulgaria	170
Spain (includes Ceuta, Melilla)	153
The Netherlands	121
Sweden	114

Appendix 3

Benefactions (this reflects giving from 1 August 2010 to 31 July 2011)

£1,000–£4,999

A Sinclair Henderson Trust
 Adelphi International Research
 Allied Irish Bank (GB)
 Analog Devices Limited
 Mr James Apple*
 Dr James & Mrs Marion Arbuckle
 Ardbarron Trust Limited
 Lady Lily Atiyah
 Atkins Global Ltd
 Mrs Cynthia Atkinson
 Balfour Beatty
 Mr Geoff Ball FCA
 The late Miss Janet Balston
 Banfield, The Pet Hospital*
 BBC
 Mr David P Bendix
 Dr Alastair Berry
 Professor Rajinder S Bhopal CBE
 Dr Gordon Biggar
 Dr Stuart Blackie
 Mr Stephen & Mrs Stephanie R Bourne
 BP
 Mrs J & Mr Kenneth Brown
 Mr Robert Brown
 Mrs Ann Burleigh
 Mr David Calder
 Mr Thomas Campbell
 Mr Edward G Campbell
 Professor John W Cassels FRS FRSE
 Mr Richard J Childs-Clarke
 The late Rev Dr Ronald Chilton
 Mrs Vipha Chulajata
 Dr Marianna Clark
 Mr Nigel A Clayton
 Mr David Cumming
 Cummins Generator Technologies
 Dr Anna Daiches
 Mr Stuart J Davies
 The late Dr Sheila Dean
 The late Mr Thomas S Dean
 Mrs Almira Delibegovic-Broome
 & Mr Jonathan Broome
 The late Dr Alina Derola
 Dialog Semiconductor
 Mr Stewart Dick
 Mr Adam Dixon
 Mr John Donnelly
 Henry Drucker Memorial Fund
 Dzniak Charitable Trust for Animals
 Mr Dugald Eadie
 Edinburgh University Trading & Investment Club
 Mrs Liesl Elder
 Dr Marianne Fletcher
 FOND Charity
 Mr & Mrs John N Frame MBE
 Mr David R Franklin
 Mr Raoul Fraser
 Mrs Caroline Freedman
 The late Dr Arthur French

GHG Ltd
 Dr Angus Gibson
 Ms Marlene H Gilchrist
 Mrs C Gillies
 GlaxoSmithKline Services Unlimited
 Mr Morton Gould
 Mr Murray & Mrs Ann Grant
 Mr Alan Gray
 Mr Richard Green
 Mr Kenneth Greig
 Dr Mary Hall
 The Rt Hon Lord Hamilton QC
 Mr Ian Harley
 Dr Roy Harris OBE
 Mr Michael Harrison
 Dr Erik Hauge
 Mr Robert J & Mrs Sheila Higgins
 Hilda Beer Charitable Trust
 Professor William Hill OBE FRS FRSE
 Howard de Walden Estates Ltd
 Mr James Hunter
 James Clerk Maxwell Foundation, The
 Dr Brian Jamieson
 Jeremy Gardner Associates
 Dr Michael Jesudason*
 Mrs Margaret Jones
 Dr Ann Kendell
 Mrs Joan D Kidd
 Lanistown Trust
 Professor Emeritus John Last
 Mr John Leddy
 Mr Alexander Leslie
 Mrs Christine S Lessels
 Mr Q Li
 Mr John N Lloyd
 Dr Ernest Logan
 Mr Gregor R Logan
 Mr W K Maciver CBE & Mrs Virginia Maciver
 Miss Eileen Mackay CB
 Dr Iain Mackay*
 Dr John Mackay
 Mr George Mackintosh
 Professor Emeritus Alan G Macpherson
 Dr Siu Fai Mak
 Mr Ross Marshall
 Mr Ronald N Martin
 Dr Hazel Martin Farkas*
 Mr David Massingham & Ms Bridin O'Connor
 Mr Richard H Maudslay CBE & Mrs Rosalind Maudslay
 Mr David A McCorquodale
 Mr Angus McIntosh
 Dr Karina McIntosh
 Mr David & Mrs Morag McIntyre
 Sir Ian McKellen
 Mr David K McLellan
 Dr Duncan McMartin*
 Mr John D McNeil
 Mr Jeffrey Meek
 Mr Paul Meitner
 Mr James Mellon

Merial Animal Health Ltd
 Mrs C Miller
 Mr David M Millar OBE
 Sir Ronald Miller CBE
 Mr Clive Moncrieff
 Mr F Morgan
 Ms Sophie Muller
 Mr Fred Multon
 Mr Michael H & Mrs Anne Munro
 Mr Chris Murray
 Mushroom Trust
 Miss Jessica Ng
 Professor Walter S Nimmo
 Dr W George Paley
 The late Dr June Paterson-Brown CBE JP
 Lady Fiona Pattullo
 Mr Derek K Paul
 Mr Lance Phillips
 Professor Gordon D Plotkin
 Rab's Fund
 Mr Bruce L Rae
 Sheriff Rita Rae
 Mr George Rafferty MBE DL
 Reunion – 1960 MB ChB
 Mr Donald Rice
 Ms Anne & Mr Matthew Richards
 Ms Katie Riding
 Dr Alex Robertson
 Dr Nigel Robinson
 Rosamunde Pilcher Charitable Trust
 Royalties
 Sir William S Ryrie KCB
 Mr David Sanders
 Schlumberger Cambridge Research
 Scottish Chamber Orchestra
 SELEX Galileo
 R Shelton
 Mr David Smith
 The late Mr Francis F Smith
 Dr Isabella Smith
 Lady Valerie Stacey QC
 Sheriff Alastair Stewart QC
 Mrs Judy Stewart
 Rev Robin Stewart
 The late Dr Anne Sutherland
 Mr Gavin R Tait
 The late Ms Jean Taylor
 Mr Graham Thompson
 Mr Malcolm and Dr Ann Thoms
 Dr T Tomaszewski
 Professor Sir David & Lady Tweedie
 University of Lisbon
 Professor Henryk Urlich
 Dr J David R Vass
 Mr John Wilkinson
 Mr David Willis
 Wood Mackenzie Ltd
 Woodfine
 Zara's Planet

*Denotes donors to the University of Edinburgh USA Development Trust Inc., an organisation formed to advance the purpose of the University of Edinburgh.

£5,000–£9,999

Mr J Allan Auchnie
The late Dr Margaret Auld
Mr Michael Barron
Blairston Charitable Trust
Mrs Maude Brownlie
Professor Ian Campbell
The late Mrs Janet B Campbell
Dr Hanna Canaris
Mr Colin Christie
Mr John Clare CBE
Mr Stephen Cowden
CSR plc
David Stevenson Trust
The late Miss Margaret Duncan
F Hoffmann – La Roche AG
Mr Nicholas & Mrs Jane Ferguson
Ms Claire Forrest
Mr Ian A Godden
Keasbey Memorial Foundation*
Dr Kester Kong
Mr Victor Loewenstein*
The late Mr T Macaulay
Dr Margaret Mackay
Mr Gordon R McCulloch
Mr Roger Miller
Dr Andreas Pelendrides
Ms Victoria Prentice
The late Dr Helen Reid
School of Physics & Astronomy
Mrs Mona G Shea
Dr Anna Sokolowska
STMicroelectronics
Mr Ron Stratton
University of Edinburgh USA Development Trust Inc.*
Walter Scott & Partners Ltd
Mr David and Mrs Terri Warnock
Dr Richard Weller
The late Professor Robert Wilson

£10,000–£49,999

A G Leventis Foundation
The late Ms Jacqueline Anderson-Parry
B G Group Plc
Barham Benevolent Foundation
The late Mr Jack Barnes
The late Miss Dorothy Belford
Miss Anthea Bond
Mr Richard Burns
Cairn Energy plc
Church of Scotland
Council of American Overseas Research Centers*
Mr & Mrs David J Cruickshank
The late Dr Robert Cuthbert
Dr Maria Dlugolecka-Graham MBE
Edinburgh World Heritage Trust
Mr James Ferguson
Foundation Merieux
Google UK Limited
Mr Stephen & Mrs Caroline Halliday

Dr and Mrs Anthony Hayward
Heritage Lottery Fund
J Paul Getty Trust*
JISC
The late Mr Graham Jowett
Miss Aileen Ker
Keycom plc
Korala Associates Ltd
Lady Eda Jardine Charitable Trust
Lady Marion Gibson Trust
The late Dr Winifred Levy
The late Lady Jean Martin
Mr Gordon Masterton OBE
The late Dr A Mary Mathieson
MBNA
The late Dr Kathryn McLaren
Mr David J Miller & Mrs Tina Marinos
MISYS Charitable Foundation
Mr Kenneth G Morrison
Mr Derek H & Mrs Maureen Moss
MS Society Scotland Perth & Kinross Branch
North British Hotel Trust
Professor Sir Timothy O'Shea & Lady O'Shea
Mrs Maureen Penman
Royal Highland and Agricultural Society of Scotland
The late Dr Thomas Sandeman
The late Mr George Scott
Scottish Journal of Theology
The late Miss Valerie Smith
Mr Christopher Stone
Sylvia Aitken Charitable Trust
Mr Ivor Tiefenbrun MBE
Waterloo Foundation
The late Miss Minnie Weir
The late Miss Anne Wilkie
Mr Charles Wilson & Mr Eric Wilson
Ms Sally Womersley

£50,000+

Alwaleed bin Talal Foundation
The late Mrs Mary K Atkinson
Dr Alfred Bader CBE*
Binks Trust
The late Mrs Doreen L Bolster
The late Mr Keith Bridgwater
Coca-Cola Foundation*
Dr Mortimer and Theresa Sackler 1988 Foundation
The late Dr Constance Drysdale
Rev Robert Funk*
The late Miss Rachel Hedderwick
The late Mr Thomas Laing-Reilly
Lloyd's Register Educational Trust
Mr A Donald M MacDonald CBE & Mrs Louise MacDonald
Marchig Animal Welfare Trust
Mary Kinross Charitable Trust
Miss Gladys Ogilvy-Shepherd
PiggyBankKids
The late Mr Thomas Rarity
The late Ms Marian Rowat

Dr Joanne Rowling OBE
RS Macdonald Charitable Trust
Santander Plc
Scottish Government
Total E & P UK Ltd
The late Dr John Waterston
Dr Alfred Wild
Wolfson Microelectronics
Worldwide Support for Development

Carlyle Circle Member

Alumni and friends who pledged a legacy to the University between 1 August 2010 and 31 July 2011

Mrs Paula Allison
The late Miss Margaret Amos
Miss Patricia Barclay
Mr Thomas Brooks
Captain Eric M Brown CBE DSC AFC
Mr John D Brown
Mrs Enid Cruickshank
Mr Norman J Eddleston
Professor Archibald Forrest
Professor Peter M Grant OBE
Mr Robert Gray OBE
Ms Jane Griffiths
Miss Diana Grimwood-Jones
Dr Jo Hargreaves
Mr Stewart Hendry
Mr Ronald G Hill
The late Mrs Jean Hutchings
Mrs Susan Jones
Mrs Nora Leys
Mrs Jillian B Luff
Miss Elspet Macintosh
Miss Marian MacLeod
Mr Neil J Marshall
Mr Ian McLean
Dr Roberto Morelli
Dr Iain Murray-Lyon
Mrs Muriel J Park
Rev Iain Paton
Mrs Marjorie Paton MA
Mr Alistair Patrick
Sheriff Isobel A Poole
Mr Michael G F Prew
Dr M Elizabeth Rogers
Mr Kenneth W Ross
Mr Ian Russell CBE
Mr Anthony Rutherford
The late Mrs V Salmon
The late Mrs Dora J Savage
The late Dr Jacqueline Sharp
Mrs Jane Shipsey
Dr Andrew Steven
The late Mrs Betty Stevenson
Miss Duseline Stewart
Professor J Keith P Watson
Mrs Felicity C Wild
Mr David Wright

Appendix 4

Research grants and other sources of funding

1. From charities, industry and other institutions

Sponsor type	Sponsor name	Project total £'000
UK – Charity	Age UK	2,618
UK – Charity	Alzheimer Scotland – Action on Dementia	750
UK – Charity	Alzheimer's Research Trust	447
UK – Charity	Alzheimers Society	75
UK – Charity	Arthritis Research UK	689
UK – Charity	Association for International Cancer Research	212
UK – Charity	Asthma UK	100
UK – Charity	BDF Newlife	14
UK – Charity	Binks Trust	156
UK – Charity	British Heart Foundation	3,630
UK – Charity	British Society for Neuroendocrinology	8
UK – Charity	British Society for Paediatric Endocrinology and Diabetes	25
UK – Charity	Caledonian Research Foundation	3
UK – Charity	Cancer Research UK	7,912
UK – Charity	Carnegie Trust for the Universities of Scotland	127
UK – Charity	Chest, Heart and Stroke Scotland	74
UK – Charity	Clerk Maxwell Cancer Research Fund	38
UK – Charity	CORE Project	38
UK – Charity	Crohns in Childhood Research Association (CICRA)	35
UK – Charity	Daphne Jackson Trust	41
UK – Charity	Edinburgh, Lothians, Fife and Borders Regional Articulation Hub	7
UK – Charity	Endangered Languages Documentation Programme (ELPD)	10
UK – Charity	Equality Challenge Unit	24
UK – Charity	Esmee Fairbairn Charitable Trust	207
UK – Charity	Furlong Charitable Research Foundation	140
UK – Charity	GALVmed	40
UK – Charity	Great Britain Sasakawa Foundation	2
UK – Charity	Henry Moore Foundation	1
UK – Charity	Historic Scotland	38
UK – Charity	Kidney Research UK	206
UK – Charity	Leukaemia & Lymphoma Research	107
UK – Charity	Leverhulme Trust	1,352
UK – Charity	Lister Institute of Preventive Medicine	200
UK – Charity	London Mathematical Society	5
UK – Charity	Lord Dowding Fund	71
UK – Charity	Lupus UK	78
UK – Charity	Medical Research Council Technology	143
UK – Charity	Medical Research Scotland (SHERT)	152
UK – Charity	Melville Trust	119
UK – Charity	Mizutani Foundation for Glycoscience	30
UK – Charity	Motor Neurone Disease Association	134
UK – Charity	Mpingo Conservation & Development Initiative	5
UK – Charity	Multiple Sclerosis Society	56
UK – Charity	Muscular Dystrophy Campaign	50
UK – Charity	National Alliance for Research on Schizophrenia and Depression	58
UK – Charity	National Museums Scotland	2
UK – Charity	Nuffield Foundation	142

UK – Charity	Paget's Association	32
UK – Charity	Perrott-Warwick Fund	106
UK – Charity	Pet Plan Charitable Trust	10
UK – Charity	Royal Society for the Protection of Birds Scotland	3
UK – Charity	Scotland Inheritance Fund	690
UK – Charity	Scottish Book Trust	10
UK – Charity	Society for Endocrinology	47
UK – Charity	Society for Reproduction and Fertility	12
UK – Charity	Society of Antiquaries of Scotland	1
UK – Charity	Tenovus – Scotland	17
UK – Charity	The Diana, Princess of Wales Memorial Fund	29
UK – Charity	The General Teaching Council for Scotland	6
UK – Charity	Tommys Campaign	320
UK – Charity	United Kingdom Clinical Virology Network	60
UK – Charity	Wellcome Trust	29,152
UK – Charity	Wise Group	80
EU – Industry	AXA	92
EU – Industry	Bayer Bioscience N.V.	12
EU – Industry	Chiesi Farmaceutici S.p.A.	52
EU – Industry	Michelin	215
EU – Industry	STMicroelectronics	372
EU – Industry	WindSim AS	44
EU – Other	Alliance Biosecure	91
EU – Other	Breast International Group	50
EU – Other	Dante	4
EU – Other	Deutsche Forschungsgemeinschaft	68
EU – Other	ELA Research Foundation	43
EU – Other	Erasmus University Medical Centre	35
EU – Other	European Foundation for the Study of Diabetes	250
EU – Other	European Science Foundation	126
EU – Other	European Society for Organ Transplant	31
EU – Other	European Space Agency	1,437
EU – Other	Human Frontier Science Program Organization	182
EU – Other	Internationales Forschungszentrum Kulturwissenschaften	7
EU – Other	Netherlands Organisation for Scientific Research	113
UK – Industry	AB Agri	16
UK – Industry	ADAS Consulting Ltd	109
UK – Industry	Afton Chemical Corporation	83
UK – Industry	Agilent	34
UK – Industry	Apatech	21
UK – Industry	ARM Limited	150
UK – Industry	AstraZeneca	96
UK – Industry	Aviagen	16
UK – Industry	Bayer plc	542
UK – Industry	BG International Ltd	1,042
UK – Industry	Bioscience Network Limited	7
UK – Industry	Building Research Establishment	63
UK – Industry	Burgess Group plc	52
UK – Industry	Cytec Industries UK Ltd	21
UK – Industry	Diamond Light Source Ltd	53
UK – Industry	DONG E&P (UK) Ltd.	112

UK – Industry	Doosan Babcock Energy	35
UK – Industry	Energy Technologies Institute	1,159
UK – Industry	FM Global	37
UK – Industry	Genus plc	110
UK – Industry	GlaxoSmithKline	24
UK – Industry	Industrial Mathematics KTN	32
UK – Industry	Ispen UK	16
UK – Industry	ITI Scotland Ltd	535
UK – Industry	Johnson Matthey Plc	42
UK – Industry	Mass Spec Analytical Ltd	22
UK – Industry	National Nuclear Laboratories	22
UK – Industry	National Physical Laboratory	30
UK – Industry	Novartis Pharma	150
UK – Industry	Pfizer Ltd	1,453
UK – Industry	Qinetiq	12
UK – Industry	Quality Meat Scotland	16
UK – Industry	Roslin Foundation Ltd	304
UK – Industry	RoslinCellab	47
UK – Industry	Sasol Technology (UK) Ltd	34
UK – Industry	SATSIS Ltd	32
UK – Industry	Schlumberger Cambridge Research Limited	22
UK – Industry	Scottish European Green Energy Centre	34
UK – Industry	ScottishPower	399
UK – Industry	Selcia Ltd	18
UK – Industry	Selex Ltd	51
UK – Industry	Sustainable Growth Group	58
UK – Industry	Syngenta	30
UK – Industry	TMRI Limited	633
UK – Industry	Toshiba Medical Visualisation Systems Europe Ltd	8
UK – Industry	Total E&P UK PLC	91
UK – Industry	UCB Celltech	105
UK – Industry	Wintershall Holding GmbH	112
Learned Society	Academy of Medical Sciences	60
Learned Society	British Academy	1,594
Learned Society	Royal Academy of Engineering	709
Learned Society	Royal Astronomical Society	145
Learned Society	Royal College of Physicians and Surgeons of Glasgow	30
Learned Society	Royal College of Surgeons of Edinburgh	144
Learned Society	Royal College of Surgeons of England	5
Learned Society	Royal Society	3,257
Learned Society	Royal Society of Chemistry	110
Learned Society	Royal Society of Edinburgh	750
Overseas – Charities	Anonymous	65
Overseas – Charities	Broad Institute	134
Overseas – Charities	CEVA Sante Animale	138
Overseas – Charities	CHDI Foundation Inc	71
Overseas – Charities	DEFA – STIFTUNG	2
Overseas – Charities	Iran Heritage Foundation	1
Overseas – Charities	John Templeton Foundation	248
Overseas – Charities	Mayo Foundation	39
Overseas – Charities	Multiple Sclerosis Society of Canada	71
Overseas – Charities	Osteosynthesis & Trauma Care Foundation	29
Overseas – Charities	Rett Syndrome Research Trust	363
Overseas – Charities	Stiftung Auxilium Zug	27

Overseas – Charities	The Grammy Foundation	1
Overseas – Charities	Unicef	19
Overseas – Charities	World Health Organization	113
Overseas – Government	National Aeronautics and Space Administration	6
Overseas – Government	National Institutes of Health	137
Overseas – Government	National Science Foundation	68
Overseas – Industry	Anglo Research	39
Overseas – Industry	Blackboard Inc.	3
Overseas – Industry	Chevron Corporation	112
Overseas – Industry	Hewlett-Packard Company	41
Overseas – Industry	Mitsubishi Tanabe Pharma Corporation	70
Overseas – Industry	Unhwa Biotech	750
Overseas – Industry	ViroPharma Incorporated	127
Overseas – Other	CSIRO Australia	9
Overseas – Other	Global Viral Forecasting Initiative	77
Overseas – Other	National Institute of Animal Health (Japan)	58
Overseas – Other	Packard Centre	24
Overseas – Other	Thrasher Research Fund	200
Overseas – Universities etc.	Aalborg University	56
Overseas – Universities etc.	Norwegian University of Science and Technology	181
Overseas – Universities etc.	Okinawa Institute of Science and Technology	436
Overseas – Universities etc.	Research Foundation of City University of New York	23
Overseas – Universities etc.	RMIT University	42
Overseas – Universities etc.	University of California	64
Overseas – Universities etc.	University of Copenhagen	54
Overseas – Universities etc.	University of Georgia	15
Overseas – Universities etc.	University of Michigan	248
Overseas – Universities etc.	University of Minnesota	26
Overseas – Universities etc.	University of Monash	48
Overseas – Universities etc.	University of Pennsylvania	159
Overseas – Universities etc.	University of Texas Health Science Center at Houston	37
Overseas – Universities etc.	Weizmann Institute of Science	3

Total from charities, industry and other institutions £'000 73,498

2. From research councils and other government agencies

Sponsor type	Sponsor name	Project total £'000
UK – Research Council	Arts and Humanities Research Council	1,222
UK – Research Council	Biotechnology and Biological Sciences Research Council	10,551
UK – Research Council	Centre for Ecology and Hydrology	112
UK – Research Council	Economic and Social Research Council	3,310
UK – Research Council	Engineering and Physical Sciences Research Council	25,787
UK – Research Council	Medical Research Council	17,483
UK – Research Council	Natural Environment Research Council	7,062
UK – Research Council	Research Councils United Kingdom	494
UK – Research Council	Science and Technology Facilities Council	1,055
EU – Government	European Commission	25,934
UK – Government	British Council	2

Appendix 4

(continued)

UK – Government	British Council – China	2
UK – Government	British Geological Survey	51
UK – Government	Chief Scientist Office – Scotland	2,610
UK – Government	Department for Environment, Food and Rural Affairs	655
UK – Government	Department for Work and Pensions	14
UK – Government	Department of Health	57
UK – Government	Forestry Commission	46
UK – Government	Horsrace Betting Levy Board	13
UK – Government	Joint Information Systems Committee	261
UK – Government	Knowledge Transfer Partnership	184
UK – Government	Scottish Enterprise	15
UK – Government	Scottish Executive	93
UK – Government	Scottish Funding Council	2,686
UK – Government	Scottish Government	2,439
UK – Government	Scottish Natural Heritage	55
UK – Government	SportScotland	150
UK – Government	Technology Strategy Board	1,278
UK – Health Authorities	Greater Glasgow NHS Board	52
UK – Health Authorities	National Institute for Health Research	1,046
UK – Health Authorities	NHS Blood and Transplant	181
UK – Health Authorities	NHS Lothian	264
UK – Universities etc.	Durham University	5
UK – Universities etc.	Edinburgh Beltane	4
UK – Universities etc.	Edinburgh Napier University	11
UK – Universities etc.	Energy Technology Partnership (ETP)	100
UK – Universities etc.	Heriot-Watt University	145
UK – Universities etc.	Higher Education Academy	16
UK – Universities etc.	Imperial College of Science Technology and Medicine	99
UK – Universities etc.	King's College London	2
UK – Universities etc.	Queen Mary University of London	26
UK – Universities etc.	School of Oriental & African Studies	67
UK – Universities etc.	Scottish Agricultural College	74
UK – Universities etc.	Swansea University	4
UK – Universities etc.	University College London	543
UK – Universities etc.	University of Aberdeen	124
UK – Universities etc.	University of Birmingham	204
UK – Universities etc.	University of Brighton	5
UK – Universities etc.	University of Bristol	69
UK – Universities etc.	University of Cambridge	72
UK – Universities etc.	University of Dundee	106
UK – Universities etc.	University of Exeter	110
UK – Universities etc.	University of Glasgow	1,193
UK – Universities etc.	University of Lancaster	5
UK – Universities etc.	University of Leeds	385
UK – Universities etc.	University of Liverpool	12
UK – Universities etc.	University of London	119
UK – Universities etc.	University of Manchester	132
UK – Universities etc.	University of Newcastle	231
UK – Universities etc.	University of Northumbria	15
UK – Universities etc.	University of Nottingham	101
UK – Universities etc.	University of Oxford	12
UK – Universities etc.	University of Plymouth	30
UK – Universities etc.	University of Reading	292
UK – Universities etc.	University of Sheffield	5

UK – Universities etc.	University of Southampton	95
UK – Universities etc.	University of Stirling	197
UK – Universities etc.	University of Strathclyde	75
UK – Universities etc.	University of West England	2
UK – Universities etc.	University of West Scotland	12

Total from research councils and other government agencies £'000 **109,863**

Grand total £'000 **183,361**

Note: The above list sets out the total project value of research grants funded from these sponsors. The sponsor will have contributed this whole amount, with the exception of some governmental sources (including research councils) and charitable sources, who fund the majority, with the balance being received indirectly via the Scottish Funding Council.





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