



THE UNIVERSITY *of* EDINBURGH

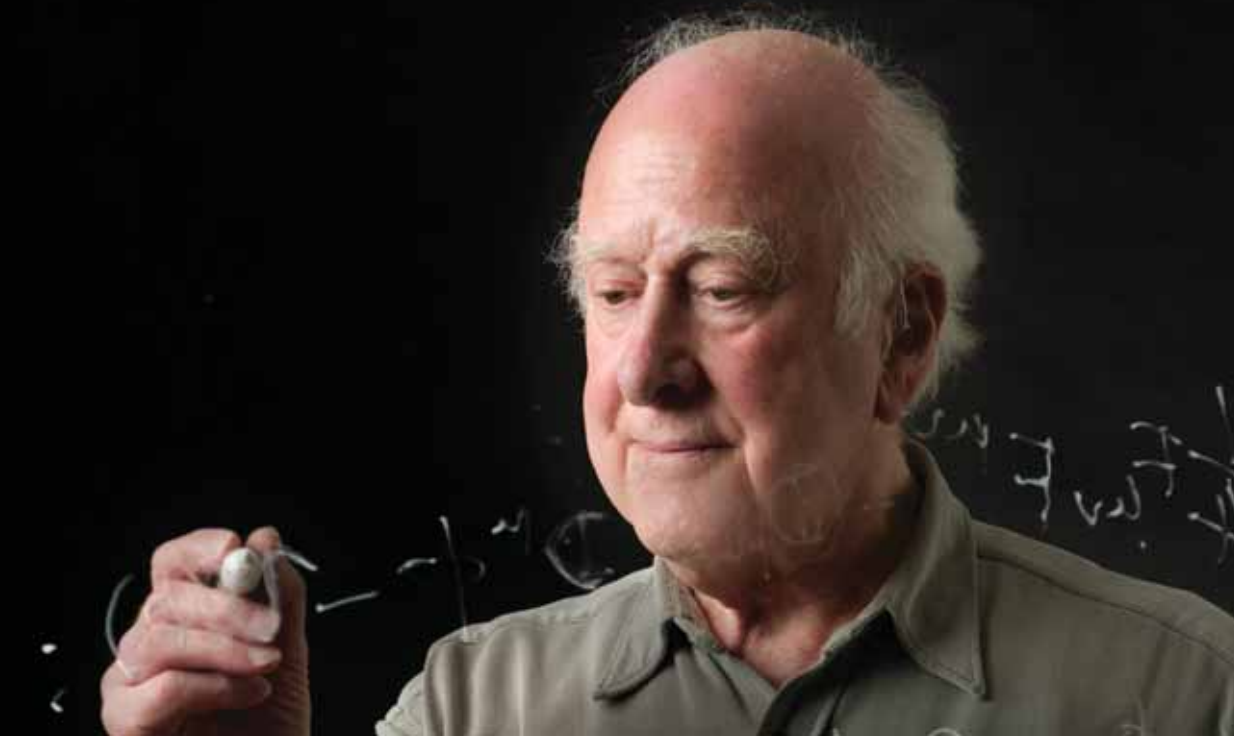
Annual Review 2011/2012

www.ed.ac.uk



“Our students go on to make hugely important contributions to the world. It is our responsibility to ensure that before, during and after their period of study with us, they benefit from the best support possible, so that they can reach their full potential.”

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





Contents

| | |
|-----------|--|
| 03 | Our vision and our mission |
| 05 | Principal's foreword |
| 06 | Collaborative thinking: leading the way in regenerative medicine |
| 08 | The personal touch: revolutionising student support |
| 10 | Unique treasures: sharing the University's collections |
| 12 | Golden opportunities: nurturing sporting talent |
| 14 | Understanding the universe: building on the genius of Higgs |
| 16 | Enlightening literature: marking a 250-year milestone |
| 18 | Sharing knowledge: student volunteering broadens horizons |
| 20 | Crest of the wave: supporting the flow of innovation |
| 22 | News in brief |
| 26 | Financial review |
| 28 | Honorary graduations and other distinctions |
| 30 | Awards and achievements |
| 32 | Appointments |
| 34 | Appendices |
| | Appendix 1 Undergraduate applications and acceptances |
| | Appendix 2 Student numbers |
| | Appendix 3 Benefactions |
| | Appendix 4 Research grants and other sources of funding |

To view our Annual Review online, please visit:



www.ed.ac.uk/annual-review



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.



The new Scottish Centre for Regenerative Medicine building, opened in 2012. See page 06 for the full story.

Principal's foreword



Tim O'Shea

Professor Sir Timothy O'Shea BSc, PhD, FRSE

It has been another year of success and innovation for the University of Edinburgh and I am indebted to our staff, students and the wider community for making it so.

It is heartening to see real grounds for optimism both now and in the future within the University. At the heart of our activities are our students. We are fortunate that we can attract young people of world-class potential and we are proud that at the end of their time with us they go on to do so many inspirational things.

In an increasingly competitive global market for higher education, we are bucking trends. Applications from prospective students are increasing and our success rates for graduate employment, once students take the first steps on the career ladder, are among the very best in the UK.

This is in no small measure due to our worldwide reputation – as evidenced by our latest rise in the *Times Higher Education* World University Rankings – and to our ongoing commitment to student support.

Our students go on to make hugely important contributions to the world, whether those contributions lie in the fields of medicine and veterinary medicine, science and engineering or arts, humanities and social sciences. It is our responsibility to ensure that before, during and after their period of study with us, they benefit from the best support possible, so that they can reach their full potential. That is why we have recently invested a significant amount in a new system of Personal Tutors to guarantee the best academic and pastoral support possible for students. We have also introduced Innovative Learning Week, to encourage experimentation within the curriculum, and for those students challenged by financial constraints, we can offer the most comprehensive package of bursaries in the UK.

We work closely with students to make sure that the student voice is heard and their needs are met. It is gratifying when our student body recognises and rewards excellence in teaching, as it does every year with the Edinburgh University Students' Association (EUSA) Teaching Awards. Our relationship with students after they have graduated is equally important to us and – again – it is tremendously heartening that so many of our alumni were able to offer their support to the Edinburgh Campaign, which has raised £350 million for a wide range of extremely important University projects and initiatives.

In this edition of the *Annual Review* you can read more about the new system of Personal Tutors and also discover how our students make significant contributions to the wider community, thanks to EUSA's highly successful student volunteering scheme.

One of our greatest strengths is our trailblazing research work. This spirit of innovation impacts positively on students too. We feature two pioneering projects with which we're involved – the recently opened Scottish Centre for Regenerative Medicine and the new wave test facility currently under construction at the University's King's Buildings campus.

Ours is an institution that is about so much more than the cutting-edge technologies of the future. What greatly adds to Edinburgh's appeal is its past and the history in which it is steeped. There is no greater example of this than the University's Collections, comprising unique artefacts and manuscripts that reveal the history of the University, Scotland and the rest of the world. Inside you can read how the recent redevelopment of the Main Library has created the Centre for Research Collections, a fitting new home for these precious treasures from around the world and, in turn, a first-class learning and teaching resource for our students.

Elsewhere in this publication we celebrate the work of Professor Peter Higgs and the establishment of the Higgs Centre for Theoretical Physics, following the discovery in 2012 of a particle thought to be the Higgs boson. This Centre will result in the development of high-level masters programmes and open up fresh opportunities for students wanting to take up PhDs in relevant areas. We also focus on how students are at the centre of the University's department of English Literature, which has just celebrated its 250th anniversary. Its close-knit nature allows students to contribute to a diverse range of research projects, and gives them the unique opportunity to be judges in Britain's oldest literary awards, the James Tait Black Prizes.

Reflections on the past year of achievement cannot be undertaken without mention being made of the London 2012 Olympic Games and the world-beating performances in cycling and rowing of our alumni, Sir Chris Hoy and Ms Katherine Grainger. Edinburgh was the top performing UK university at the London 2012 Olympic Games, based on medals won by our representatives. The sports bursaries we provide for talented young sportsmen and women and the quality of our renowned Centre for Sport and Exercise allow us to make a substantial contribution to the development of future sports stars.

Nurturing talent and providing an environment in which students can thrive is something to which we are deeply committed for the benefit of future generations.

Collaborative thinking: leading the way in regenerative medicine

The new Scottish Centre for Regenerative Medicine (SCRM) building has opened at Edinburgh BioQuarter.

Sited next to the Royal Infirmary of Edinburgh and the University's world-leading facilities for medical teaching and biomedical research, the SCRM is a unique hub for collaborative science.

With funding from sources including the University of Edinburgh, the Scottish Government, Scottish Enterprise, the Medical Research Council and the British Heart Foundation, it is the first large-scale, purpose-built facility of its kind. It provides accommodation for up to 250 stem cell scientists and, crucially, will extend and deepen study and research experiences for the University's student community.

SCRM scientists will undertake stem cell research to help find therapies for patients with conditions such as multiple sclerosis, Parkinson's disease, motor neurone disease, and heart and liver diseases. The Centre will also host the manufacture of high-grade stem cell lines suitable for clinical use.

The shaping of the original vision for the SCRM, and the securing of funding from a range of backers, was led by Professor Sir Ian Wilmut, while Professor Charles French-Constant, the Centre's Director, was also a driving force in its development.

"A number of people, including Professor Sir John Savill and Professor Marc Turner, recognised that there was a real need for a focus around regenerative medicine," Professor French-Constant explains. "Although conventional medicines can treat the cause of diseases, they cannot repair damage already inflicted on the body, which is the cause of many degenerative diseases."

The consensus was that concentrating the University's researchers in one place would provide experts with a better chance of discovering a spectrum of new regenerative medicines, ultimately benefiting patients.

"The research cohort primarily comprised leading stem cell researchers in the Institute of Stem Cell Research and scientists working on very specific tissues like blood, brain and liver, actually doing clinical research into diseases that would be targets for regenerative medicine," says Professor French-Constant. "The ambition was to put them together into one building and in that building to create a cell manufacturing facility, which has sufficient sterility and quality control that you can actually put cells into patients."

"You can feel the enthusiasm of research students when you enter the building."

Professor French-Constant believes that the Centre's close-knit collaborative environment will bring gains to students as well as established scientists.

"The great advantage for students is that they are exposed to the entire spectrum of regenerative medicine here," he explains. "Within the same building, there will be scientists working on fundamental mechanisms by which stem cells remain stem cells, and the molecules involved in that, right through to scientists addressing the problems of how a stem cell will behave in a diseased liver. That is a breadth of expertise that would be very hard to find anywhere else in the world."

The SCRM building joins an array of pioneering University facilities at Edinburgh BioQuarter. The Clinical Research Imaging Centre opened two years ago, while early in 2012 a new incubator building dedicated to supporting established and start-up companies began operating on the site. In 2013 the Anne Rowling Regenerative Neurology Clinic – which aims to place patients at the heart of research to improve outcomes for multiple sclerosis sufferers – will also open.

This collegiate, multidisciplinary environment is the outcome of long-nurtured ambitions for Edinburgh BioQuarter. For decades Scotland has been host to a cluster of leading-edge regenerative medicine technologies, but prior to BioQuarter's development, expertise in the field was fairly disparate.

Professor Simon Best, Chairman of Edinburgh BioQuarter, regards the SCRM as a vital component within the Little France site – and agrees that the new building will prove to be a particular draw for postgraduates.

"Within the UK if a young researcher is interested in joining the field it would be hard to think of anywhere better," he says. "The SCRM is also attracting attention from potential commercial partners. Clearly there is competition but at the moment Edinburgh is very well placed and the SCRM is unique."

Professor Sir John Savill, Head of the University's College of Medicine & Veterinary Medicine, is also convinced that the building will bolster students' experiences at Edinburgh.

"You can feel the enthusiasm of research students when you enter the building," he says. "The clinicians and basic scientists have been around longer and are now cheek by jowl so new interactions are developing the whole time, but for a whole group of new research students this is the only experience they've had. They're clearly benefiting from it."

The building is a powerful expression of the University's commitment to research – and stem cell research in particular. "I don't know of a building in the UK that matches the SCRM yet for integration of facilities and quality and scale," says Professor Savill. "Other cities are developing facilities not unlike this but we have a lead of several years. This is first in class and best in class."

Professor French-Constant is optimistic that in 10 or 20 years' time researchers at the Centre will have discovered a range of new regenerative medicines and negotiated the roadblocks to getting them into clinical use. He says: "I hope that we will have established a clear pathway by which regenerative medicines can be tested and delivered and also have created a substantial bank of knowledge that others can then use to make the next generation of regenerative medicines."

USEFUL LINKS

www.crm.ed.ac.uk <http://goo.gl/GMgDC>

“The great advantage for students is that they are exposed to the entire spectrum of regenerative medicine here.”



The personal touch: revolutionising student support

A new system of academic and pastoral care, launched in 2012, will maximise the performance of Edinburgh students and prepare them for life beyond university.

Replacing the previous Director of Studies set-up, the Personal Tutor system is part of the University's three-year, £4 million investment to enhance the student experience.

The enhancements are created in line with student feedback gathered from a number of sources, including the National Student Survey, and are designed to formalise the student-tutor relationship, while providing students with maximum support, from tutors, other staff and peers.

"While the Director of Studies scheme served us well in a variety of ways, it was very much of its time," says Professor Dai Hounsell, Vice-Principal Assessment and Feedback. "The Personal Tutor system establishes clear lines of responsibility that were not always obvious for either tutor or tutee under the previous scheme. It's a comprehensive, 21st-century solution to the issue of student support, making full use of the technology now available to us."

The project has been developed and supported by three members of the University's senior management team: Professor Ian Pirie, Assistant Principal Learning and Development, Dr Sue Rigby, Vice-Principal Learning and Teaching, and Professor Hounsell. It has been rolled out for all undergraduates and plans are in place to implement the system for postgraduates.

Every undergraduate is allocated a Personal Tutor for the duration of his or her studies. With this tutor, students review their academic progress in detail, and are encouraged to develop self-directed learning skills, reflect on how their learning can help them pursue their longer term goals and engage with their community of learners.

The project is supported by specially developed software – the Personal Tutor channel – that students can access easily through the University's web portal. Through the channel, students make regular contact with their tutor, including a scheduled one-to-one meeting at least once every semester. Notes and comments can be

uploaded to the software to provide students with a valuable record of their activities, as well as a platform for reflection on their academic progress.

This software very much supports the intention of the Personal Tutor system to encourage a culture of accessibility between staff and students. The project team is confident that under the new system, students will have multiple encounters with their tutor.

"We've turned our approach around completely, so the expectation is that there will be regular meetings throughout all years of study," explains Dr Rigby. "The meetings may well just confirm that everything is fine, but could also make it easier to identify potential issues."

Personal Tutors have been trained to use these meetings – which can be with individuals or in groups – to help students reflect on their university journey and build in an awareness of employability and goals beyond graduation.

The system also ensures non-academic life is looked after by bringing together existing support networks to ensure they are more accessible to students. Student Information Points have been set up in library spaces to direct users to sources of advice around the campuses.

Additional pastoral care comes from Student Support Teams, which are based within each University School. Student feedback suggested that some students, for example those who are living away from home for the first time, or arriving in the UK from overseas, may need extra help. So these teams are on hand to assist with some of the non-academic challenges of university life.

Typically, Personal Tutors or Student Support Teams are able to solve most challenges, but in situations where this is not the case students are referred to an alternative source of support, such as the Edinburgh University Students' Association (EUSA) Advice Place, the Careers Service, the Institute for Academic Development or a study support adviser.

Like many elements of the new system, the Student Support Teams are an example of how input from students has helped shape the project's growth.

"In developing the project we have been responding to student suggestions and comments," explains Ms Sara Welham, Assistant Head of Academic Services and a member of the team responsible for the implementation of the new system. "We have tried to incorporate the best aspects of the previous Director of Studies system and build on this, with initiatives such as the introduction of Student Support Teams."

Student input also pointed to the need for more support for undergraduates spending a year abroad as part of their studies, something that the Personal Tutor system addresses. Meetings with Personal Tutors can be arranged online and conducted face-to-face through webcams and, as with the campus experience, details and outcomes of discussions can be recorded, ensuring that those studying overseas don't feel isolated.

"In developing the project we have been responding to student suggestions and comments."

Edinburgh University Students' Association (EUSA) has worked closely with the University throughout the creation and implementation of the new system and continues to play a vital role in the project, in partnership with the University's Academic Services department.

Mr Andrew Burnie, EUSA Vice-President (Academic Affairs), says: "The new approach addresses significant student concerns and is an opportunity to give students clarity on where they should go for support. We're really very excited about the Personal Tutor system."

USEFUL LINKS

 www.ed.ac.uk/news/2012/student-support-291112

“It’s a comprehensive, 21st-century solution to the issue of student support, making full use of the technology now available to us.”



Unique treasures: sharing the University's collections

An exhibition held at the University's Main Library in summer 2011 brought together, for the first time in 400 years, the only surviving record of significant music from 16th-century Scotland.

'Singing the Reformation' showcased the manuscript music of Thomas Wode, vicar of St Andrews, giving visitors an understanding of the music performed in 1560s Scotland and insights into the religious and social tumult of the era.

The exhibition was the outcome of partnerships forged between staff from the University's Library and Collections, Georgetown University in Washington DC, Trinity College, Dublin, and the British Library. Exhibits – including manuscripts, musical instruments and portraits – were mainly drawn from the University's unique store of rare material encompassing books, manuscripts, photographs, architectural drawings, theses and microforms.

The University's collections are unique in their depth and diversity. Among the 480,000 rare books sit Scotland's oldest surviving Gaelic text; a single page from the final draft of Charles Darwin's *On the Origin of Species*, complete with scribbled homework notes from his grandchildren; and a copy of the University's first Laureation Album. Other items are testament to the University's internationalism. They include a 230-foot long silk Mahabharata (a Hindu epic), produced in India in the 1780s, and one of the most significant Islamic manuscripts ever created, made in Persia in the early 14th century.

The artefacts date to the beginnings of the University itself. As part of the first graduations, students would donate books to their alma mater – an act that, according to Dr John Scally, Director of Library and Collections, speaks to Edinburgh's intrinsic values.

"The first thing you see when you look at the University's coat of arms is that it has a book right in the centre of it," he says.

"We in Library and Collections would say that signifies how knowledge, learning and teaching are the key elements of the University, and the collections reflect that. We've been collecting right across the academic spectrum for more than 400 years and it's resulted in a dizzying richness of material that reflects all sorts of different areas of human endeavour."

One of Dr Scally's favourite pieces is the original mould used to make penicillin. "Alexander Fleming was Rector of this University and he gifted the mould to us," he says. "To hold that in one hand and hold the first quarto of Shakespeare's *Romeo and Juliet* – which we also have – in the other, is very special. Those objects show you the true range of the material in the library."

'Singing the Reformation' is praised by Dr Scally as an example of the impact that can be made by combining high-quality research and a world-class collection. The exhibition's project team was led by the School of Divinity's Professor Jane Dawson, and included Dr Andrew Grout, Honorary Research Fellow in the Centre for Research Collections (CRC).

Dr Grout hails the success of its engagement with audiences – for example through the creation of a downloadable app that allowed users to listen to samples of 16th-century music – as epitomising what the Library and Collections teams are now able to offer the University's students and the wider Edinburgh community.

"By staging these exhibitions and making material available, people are more aware of the full spectrum of items in the collections," he says. "We've made a concerted effort to engage with students and the academic community, and that is now bearing fruit. It's one of the great plus points of coming to Edinburgh, that primary materials of international importance can be right in front of students, for them to work on and discuss."

The exhibition's success has highlighted the benefits of expanding access for students and the wider community to the University's cultural and heritage archive. It's a move that has been bolstered by the ongoing redevelopment of the University's Main Library, which has created a state-of-the-art home for the CRC.

"We've been collecting right across the academic spectrum for more than 400 years and it's resulted in a dizzying richness of material."

Now concentrated on the library's top two floors, the CRC is equipped with seminar rooms for practice-based teaching, focusing on manuscripts and objects, and a high-quality digital imaging unit for digitising some of the University's most iconic materials.

Mr Arnott Wilson, Head of Special Collections and University Archivist, says that, although expanding the digital archive is a vital part of the CRC's ongoing work, it tends to be exposure to real historical artefacts that most enthuses students.

"In the teaching we do, although you can use all the technology you'd wish for, what brings the class to life is the actual original," he explains. "The comments you get back – 'I was astounded by the beauty of this manuscript' or 'it was such a privilege to see this' – are telling. These objects will continue to be our physical link with the past and a genuinely distinctive opportunity we can offer all our students."

Redevelopment of the Main Library will be completed in 2013 and a directory of the collections, designed to boost interest and access, will be published in 2014.

USEFUL LINKS

 www.ed.ac.uk/is/crc  www.facebook.com/crc.edinburgh



"It's one of the great plus points of coming to Edinburgh, that primary materials of international importance can be right in front of students, to work on and discuss."

Golden opportunities: nurturing sporting talent

With Edinburgh alumni centre stage at London's 2012 Olympic Games, the University is better placed than ever to help young athletes reach their highest possible achievements.

Cyclist Sir Chris Hoy won two gold medals at London 2012. With one silver and six gold Olympic medals to his name, he is now the most decorated British Olympian in history. He was also the Team GB flag-bearer at the opening ceremony.

Fellow Edinburgh graduate Katherine Grainger, with teammate Ms Anna Watkins, won gold in the Double Sculls rowing, having broken the Olympic record by nearly five seconds at the heats stage. In addition to her 2012 gold, Ms Grainger won Olympic silver medals in 2000, 2004 and 2008.

Mr Jim Aitken, Director of the University's Centre for Sport and Exercise (CSE), says the combination of sports bursaries and scholarships and the sports performance programmes developed by the University's School of Education lays the foundation for alumni to reach Olympic status.

"The recently launched Eric Liddell High Performance Sports Scholarships will help support the next generation of young athletes," he says. "And I genuinely believe our sports performance programme at individual and team level is the best in the UK."

CSE staff work hard to strike the right balance between the academic imperative of a world-class university and the needs of talented athletes to receive mentoring in sport. Nurturing students' early enthusiasm is key.

"The biggest impact I think we make with our programme is that we allow students to develop from a broadly junior stance when they start at university through the transition into the senior stage," says Mr Aitken.

Facilities at the CSE, which include a gym for the dedicated use of performance athletes, an eight-metre-high climbing wall, a 25-metre, six-lane swimming pool, and the Fitness Assessment and Sports Injuries Centre, make a vital contribution to the University's sports culture. The choice of the CSE for the Team GB swimming squad's strength and conditioning work during final preparations for the Olympics sent a strong message about the quality of the sports environment at Edinburgh.

The hope of CSE staff now is that, in the aftermath of London 2012, Edinburgh students will be inspired to use these resources to try new sports. "At Edinburgh we encourage anyone who can play sport, at the level that their talent or commitment allows," says Mr Aitken. "Our challenge from the Olympics is to ensure that our 64 student clubs can entertain and support the upsurge in enthusiasm we're seeing."

During Freshers' Week at the start of the University's 2012–2013 session, sports clubs recruiting new members were "overwhelmed with interest", says Mr Aitken. He credits the Olympics with sparking excitement about less mainstream sports such as archery and rowing: "These are sports that schools don't tend to offer but you can take them up at a late stage and still develop to a very high standard."

Sir Chris Hoy studied sports science at Edinburgh, graduating in 1999 with a 2:1. A consistently enthusiastic advocate for the University and its students, he says his studies gave him an invaluable understanding of how to improve his performance and become more competitive.

"A big part of why I came to Edinburgh to do sports science was to try to learn more about the physiology, about the biomechanics, about the whole theoretical underpinning of performance," he says.

Sir Chris worked closely with the CSE's Dr Simon Coleman, who conducts research in biomechanics, and equipped Sir Chris with the knowledge to finesse his performance. "Simon was very passionate about his subject, and in particular 'force pedals', which are essentially a way of measuring the direction of force and the application of force during the cycling motion," he explains.

Sir Chris remembers the class as being upbeat and supportive. "It was a great environment to learn in but also a fun class – and sociable class too," he says.

"If I hadn't gone to Edinburgh I'd never have taken up rowing; I'd never have had the life I'm currently living."

Katherine Grainger, who started her rowing career while studying law at Edinburgh, is Britain's most successful Olympic female rower.

"If I hadn't gone to Edinburgh I'd never have taken up rowing: I'd never have had the life I'm currently living," she says. "I started rowing at university, honestly without thinking it would go anywhere. It was a great club – very sociable, really hardworking but really, really friendly and welcoming."

The club supported her through a time of transition, she says: "I was a novice for my first year, pretty awful at rowing to be honest. I was always quite fit and healthy but never really technically very good. I finally learnt the technique side and at the end of my fourth year I went for the British trials and I haven't looked back since."

Professor Mary Bownes, Senior Vice-Principal External Engagement, believes the CSE's honouring of achievement, and the continuing input of the University's successful sporting alumni, will benefit future students.

"The CSE celebrates success and hosts the Sports Hall of Fame, which recognises people from the past who've come through the University and who've been outstanding sportsmen and women," she says.

"Both Sir Chris Hoy and Katherine Grainger are very supportive of the CSE and what the University has done for them. They're helping raise new sports bursaries that are going to help the next generation of students who really want to train for sport but need some financial support to do so. That is crucial."

USEFUL LINKS

 www.ed.ac.uk/sport  <http://goo.gl/gfWhk>



“The CSE’s honouring of achievement, and the continuing input of the University’s successful sporting alumni, will benefit future students.”

Understanding the universe: building on the genius of Higgs

A major new research centre at Edinburgh aims to ensure the University takes the lead in expanding insight into theoretical physics.

The Higgs Centre for Theoretical Physics, based at the King's Buildings campus, is named after the man whose 1964 theory sought to answer one of physics' most enduring questions: why do particles have mass? His theory predicted the existence of a new particle, the Higgs boson, and scientists have been searching for it ever since. Last summer it was announced that a particle consistent with the Higgs boson had been found.

A focal point for international research expertise, the new Centre will strengthen our theoretical understanding of the physical world and the composition of the universe. The University has committed an initial £750,000 for new academic staff, PhD studentships and a programme of international visitors and workshops. A Higgs Chair of Theoretical Physics has also been established.

In his original paper Professor Peter Higgs sought to unravel why the carriers of the weak force, responsible for radioactivity, can be massive when the photon that carries the electromagnetic force is massless. His explanation was the presence of a new field, the Higgs Field, which permeates all space and with which some particles interact. Those that interact have mass, those that don't interact remain massless.

Crucially, Professor Higgs also explained how to test this theory – search for the Higgs boson that could be created by the Higgs Field. The theory would become the basis for the Standard Model of particle physics, which assumes that the Higgs boson is the signature particle for the mechanism that gives mass to other elementary particles. Following confirmation of the existence of the boson, ongoing study of its properties holds the potential to reshape physicists' understanding of matter.

Professor Higgs admits the gap between publication of his initial theory and identification of the boson has been "a long wait".

"I had no idea if a discovery would be made in my lifetime because we knew so little at the beginning about where this particle might be in mass and therefore how high energy machines would have to go before it could be discovered," he explains.

"It has been a long development over the years, building machines at higher and higher energy. The Large Hadron Collider at CERN has been the one that has been energetic and intense enough, in terms of the particle beams, to do it."

If it had been proved that the boson was non-existent, Professor Higgs says, it would have unravelled a chain of understanding that began when he was a student.

"The existence of this particle is so crucial to understanding how the rest of the theory works as well as it already does, in terms of previous verifications of the structure, that it was very hard for me to understand how it couldn't be there," he says. "If it could be proved to be non-existent I would say, 'I no longer understand the whole area of theoretical and particle physics that I thought I did understand in recent years, which when I was an undergraduate were a complete mystery'."

"Other than the moon landing, there are very few things in physics that have ever had more public impact than the Higgs boson."

The discovery of the particle aroused intense media attention and public curiosity about Professor Higgs' work.

"Other than the moon landing, there are very few things in physics that have ever had more public impact than the Higgs boson," says Professor Arthur Trew, Head of the School of Physics and Astronomy. "It has triggered an enormous wave of interest at Edinburgh. Student intake has risen at a time when it has declined across the UK. Having Peter here has been a real stimulus for engagement."

Validation of Professor Higgs' theory and the creation of the new Centre are likely to have a profound impact on students' experience at Edinburgh, predicts Professor Trew. "We're aiming to give high-level masters training that will then permit students to take up PhDs in theoretical physics. Our PhD students will benefit from an increased number of academic staff but also from interacting with visiting professors at workshops at the Centre."

Opening in January 2013, the Centre will include an international visitors' programme, facilitating cross-disciplinary interaction between researchers and lecturers, alongside complementary seminars.

Professor Lesley Yellowlees, Vice-Principal and Head of the College of Science & Engineering, believes physics students at Edinburgh will reap the rewards from working in these research-intensive conditions – and from proximity to the eponymous figure whose work inspired the Centre. "There's nothing better for students in terms of motivating and inspiring them than to meet someone like Professor Higgs," she says. "We can't overestimate the impact of being part of the environment in which he worked."

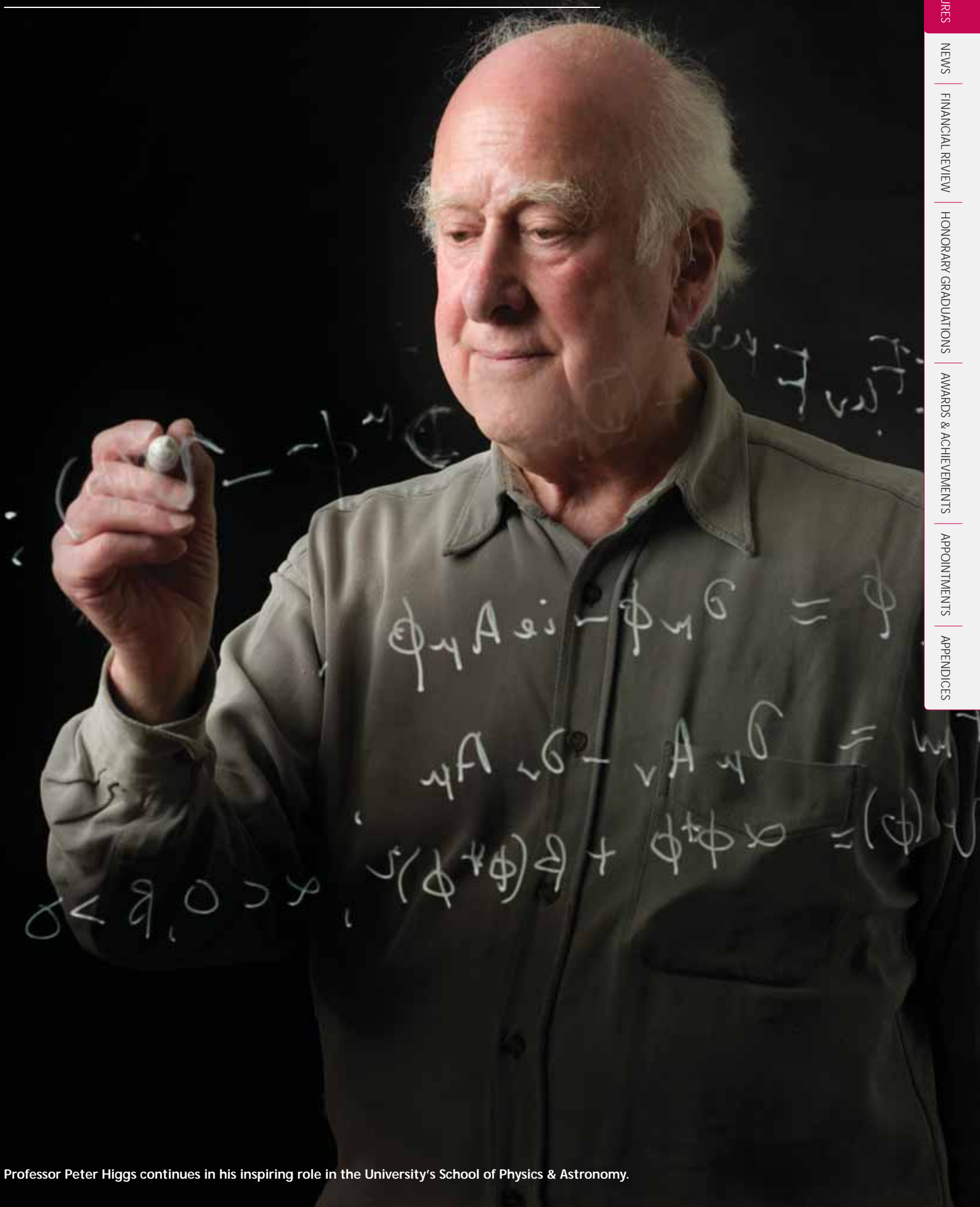
The new Centre embodies Edinburgh's expansive approach to research, she explains. "Edinburgh can put the environment in place that will allow someone like Peter Higgs to come up with a theory such as the Higgs boson. The new Centre aims to provide a nurturing space where it's understood you can do fundamental research and absolutely flourish."

Professor Trew feels the discovery at CERN and the creation of the Centre mark a tipping point for the study of physics – and an opportunity for ambitious students. "The Higgs boson was the last piece in the jigsaw of the old model of physics," he says. "Somehow we have to see beyond that. We could have a period of revolution in physics, so from the students' point of view they are here at an immensely fruitful and fascinating time. It's tremendously exciting and that's what we're trying to get across to students – both Higgs' discovery and what's to follow it."

USEFUL LINKS

 www.ph.ed.ac.uk/higgs  <http://goo.gl/BKGXQ>

“Edinburgh can put the environment in place that will allow someone like Peter Higgs to come up with a theory such as the Higgs boson.”



Professor Peter Higgs continues in his inspiring role in the University's School of Physics & Astronomy.

Enlightening literature: marking a 250-year milestone

The University's English Literature department – believed to be the oldest in the world – celebrated its 250th anniversary in 2012.

With the appointment of Reverend Hugh Blair as Regius Professor of 'Rhetoric and Belles-Lettres' in 1762, literary study at the University was born. To celebrate this impressive history and throw a spotlight on the department's literary achievements over the centuries, the University played host to a number of events throughout the year.

In May 2012 Professor Stefan Collini, Fellow of the British Academy and Professor of Intellectual History and English Literature at the University of Cambridge, was invited to the University to deliver the prestigious Enlightenment Lecture. His topic 'From Belles-Lettres to 'Eng-Lit': Criticism and its Publics' attracted more than 400 attendees and featured a lively, extended question-and-answer session.

"The department has long been outward facing and engaging."

Professor James Loxley, Head of Department at the time, says: "People commented that the lecture filled in a story that they hadn't really been fully aware of: the invention of literary study as a discipline, and of Edinburgh's place within that history."

A landmark exhibition, 'City of Words: Writers, Readers and Critics in Edinburgh, 1762–2012', was held at the University's Main Library from August to October. It highlighted pivotal events, characters and artefacts in the literary life of the University and included, among many fascinating items, letters written to professors from Robert Burns and Sir Walter Scott, a portrait of John Dover Wilson, pioneer of the tutorial system, and signed first editions and letters from distinguished and prizewinning authors.

An accompanying exhibition guide was published to celebrate the 250-year history of literary studies. Its author, Dr Alexandra Lawrie, who spent the last two years studying the department's archives as part of her PhD, saw the importance of sharing this unique story.

"It was clear from the comments in the visitors' book that the exhibition was a resounding success, and it attracted a larger number of visitors than we could have hoped for," she says. "We were naturally delighted that all our efforts paid off. Bringing the story of English Literature at Edinburgh to a wider audience was especially pleasing."

An inspiration to literary greats such as Sir Walter Scott, Robert Louis Stevenson, Sir Arthur Conan Doyle and more recently JK Rowling, Edinburgh was designated the world's first UNESCO City of Literature in 2004, recognising both the city's literary heritage and its aspirations for the future. The University's English Literature department plays an important part in this aspect of the city's cultural life.

Regius Professor of Rhetoric and English Literature, Greg Walker, and Senior Lecturer Dr Sarah Carpenter were closely involved with the city's recent project to expand Makars' Court, a courtyard in Edinburgh's Old Town that celebrates the city's literary heritage. Flagstones are inscribed with quotes, ranging from the works of 14th-century poet John Barbour to 20th-century novelist Dame Muriel Spark. With the support of Professor Walker and Dr Carpenter, the University's Sir David Lyndsay Society sponsored a stone commemorating the work of the 16th-century poet and dramatist. Its inscription '*Lat us haif the bukis necessare To commoun we'ill*' (let us have the books necessary for our common good), is a fitting sentiment for a place steeped in the tradition of literary enlightenment.

The department has long been outward facing and engaging. An established Writer-in-Residence programme offers students opportunities to work with published authors and gain insight from their experiences. Previous incumbents include the Scottish Gaelic poet Sorley MacLean, American writer Anne Stevenson and Scottish poet and dramatist Liz Lochhead.

Alan Warner, whose 1995 first novel, *Morvern Callar*, won a Somerset Maugham Award is the current Writer-in-Residence. He provides guidance and support, particularly for creative writing students. His workshops encourage students to share their work and ideas.

"Characters and plots can develop far beyond the original idea, with the input of multiple voices, building rich layers for students to work from," says Mr Warner. "The benefits of discussion in writing are manifold."

The department encourages students to contribute to the wide array of its research projects. One large-scale undertaking is to produce an accessible text describing Ben Jonson's walk to Scotland in 1618. At the other end of the scale, work is under way to produce a 'Literary High Street' downloadable app, which unveils the city's literary history. Commitment to innovative learning has been fruitful: alumni count among its numbers popular authors Ian Rankin and Philippa Gregory, and playwright Ella Hickson.

A unique feature of the learning experience at Edinburgh is student participation in judging the James Tait Black Prizes, Britain's oldest literary awards. Established in 1919 by Janet Coats, widow of publisher James Tait Black, to commemorate her husband's love of books, the award is the only major British book prize judged by both scholars and students, and is awarded annually during the Edinburgh International Book Festival.

Professor of 20th-Century Literature, Randall Stevenson, explains how significant the student role is, in the process for selecting James Tait Black prizewinners. "We start with an email vote and then set up a series of debates within the Literary Society, which, although centred in the Literature department, has University-wide membership. An advocate for each novel argues for inclusion until we have our shortlist. It's an inclusive system that brings fascinating results."

The department announced in its 250th anniversary year a new drama prize, to be awarded for the best original new play written in English, Scots or Gaelic. The new prize will be organised in conjunction with the National Theatre of Scotland. Also part of the 250th celebrations, was a new, one-off award for fiction: The Best of the James Tait Black, won by Angela Carter for *Nights at the Circus*.

Vice-Principal and Head of the College of Humanities & Social Science, Professor Dorothy Meill, says: "The literary history of the city, coupled with the engaging and innovative work of the English Literature department, continues to place Edinburgh on the map as a leading centre for the study of literature, 250 years after its inception."

USEFUL LINKS

www.ed.ac.uk/english-literature www.ed.ac.uk/james-tait-black www.ed.ac.uk/news/events/english

“The literary history of the city, coupled with the engaging and innovative work of the English Literature department, continues to place Edinburgh on the map as a leading centre for the study of literature, 250 years after its inception.”



Sharing knowledge: student volunteering broadens horizons

Edinburgh University Students' Association (EUSA) provides a wide range of services for the student body, but perhaps most successful among its many activities and campaigns is student volunteering.

In July 2012 EUSA had almost 1,800 registered volunteers and had supported some 2,000 students in voluntary activities in the previous 12 months. Opportunities to volunteer can involve befriending senior citizens, vulnerable and disabled people; working in the events industry; placements with charities such as the RSPB and the YHA; charity shop work or working with children.

For international students – who make up 43 per cent of EUSA's volunteers – it's a successful way to learn about the culture of a new environment, mix with the local community and fine tune written and spoken English skills.

"International students really want to get the most out of their experience in another country," says Hilary Wardle, EUSA Volunteer Development Manager.

The numbers of students from overseas willing to volunteer led in 2012 to programmes being developed specifically for international students. One such project, 'Exciting Languages', was piloted between February and May.

Devised by former head teacher Judith McClure and developed by EUSA with the University's linguistic research group Bilingualism Matters, the project gave international students the opportunity to work with teachers in local primary schools, delivering not just linguistic but also cultural lessons to children who had not yet studied a foreign language.

The project forged valuable links and contacts between schools and the University. For the students involved, it was about giving something back.

"If they spend their entire time on campus, they are not getting a true sense of the local community," explains Ms Wardle. "Our volunteers are very altruistic and enthusiastic and are able to offer something unique by explaining to children what it's like growing up in another country."

Edinburgh's international students are drawn from 130 countries, offering huge scope for the project to incorporate a wide variety of countries from across the globe.

Steven Charlesworth, a biology student from Norway, compiled a Viking project delivered over five sessions, which included classes on Danish and Norwegian family life, fairy tales and songs. Mr Charlesworth also taught the children how to say numbers, colours and days of the week in Norwegian, with the final session featuring a class on Norwegian cuisine, complete with authentic Norwegian food, some of which he prepared himself.

"Some students had to catch four different buses to reach their schools, which is a great commitment, and it didn't deter them at all."

"As a foreign student in a foreign country this was a great opportunity to talk about my own background and country," explains Mr Charlesworth. "The children were genuinely interested and excited by it, which made it all the more enjoyable."

The advantages of introducing children to a new language at an age when they are at their most receptive, and encouraging them to embrace the culture of each country, soon became clear. For some of the participating pupils it was the first time they had heard a foreign language. Learning about a foreign culture from a native speaker gave them further insights.

Following the pilot, Ofsted Inspector Fiona Pate reported that the most successful examples of the 'Exciting Languages' pilot were those that were able to link the language into the curriculum through project work. One school linked the study of Gaelic to a project they were completing

on the Highland clearances. Another was able to connect the language work to an assignment they were completing on rainforests. Other schools introduced a country-specific topic to the curriculum to fit with the language of the student volunteer.

"Having the students in the classroom has made the experience of learning about a new language and culture much more real for the children," says Katie Reeves, a teacher at East Linton Primary School. "It's been amazing how quickly the children have picked up the basics of the language. Hopefully it will have increased their enthusiasm for learning new languages in the future."

The success of the 'Exciting Languages' project will see it repeated in 2013 and the aim is to run it throughout the full academic year by 2014/15.

"We'd like to do a lot more in the future and the students' willingness to travel is central to this," says Ms Wardle. "Some students had to catch four different buses to reach their schools, which is a great commitment, and it didn't deter them at all. This has been a really positive example of EUSA and the University working with schools in the wider community and there's huge potential there."

Part of the evolution of the scheme will see students receive more comprehensive training in 2013, delivered in consultation with the Bilingualism Matters research group.

Professor of Developmental Linguistics and Director of Bilingualism Matters, Antonella Sorace, explains: "The original training was very basic but having now run the pilot scheme we have been able to identify a more thorough training programme for the students to undertake in the future. Many of them are not working towards education or teaching qualifications so we will provide them with skills they wouldn't necessarily get on their degree programme alone."

For students at Edinburgh, it is now easier than ever to volunteer. Senior Vice-Principal External Affairs, Professor Mary Bownes, says: "EUSA set up a specific volunteering centre with its own office and has been very proactive and supportive. Students can go in and see what opportunities are there and get matched up and be volunteering very quickly. It's working incredibly well."

USEFUL LINKS

 www.eusa.ed.ac.uk  www.bilingualism-matters.org.uk



“Our volunteers are very altruistic and enthusiastic and are able to offer something unique by explaining to children what it’s like growing up in another country.”

Crest of the wave: supporting the flow of innovation

A major new test facility for marine energy research and development is due to open at the University's King's Buildings campus in summer 2013.

The All-Waters Combined Current and Wave Test Facility (or FloWave tank) is designed to test wave or tidal current generator devices and will be able to mimic everything from normal to extreme conditions in coastal waters around the UK and Europe.

At its heart is a fully instrumented, 25-metre diameter, circular tank that can emulate waves of up to 28 metres and currents of up to 12 knots – simulated conditions currently unachievable anywhere else in the world.

The £9.3 million structure, which includes extensive workshop and office space, will allow researchers, academic staff and companies to test novel and existing technologies in a realistic environment before devices are deployed at sea.

The shape of the tank makes it a unique asset in marine energy research, according to Stuart Brown, Chief Executive Officer of FloWave TT Ltd, the University subsidiary company set up to manage the facility.

"This is a circular tank that can produce both waves and currents at the same time, and on a significant scale. This means that it is completely different to anything else that's out there," Mr Brown explains.

"Every other wave tank is rectangular with waves coming from one short end. This is the only one that's fully encircled, so we can add in waves, and combinations of waves, from any direction. Our multidirectional wave capability is outstanding. It's the world's first."

The new facility is the latest investment resulting from more than four decades of pioneering marine energy research at the University.

In the 1970s, Professor Stephen Salter and his Wave Power Group created the iconic Salter's Duck, also known as the Edinburgh Duck, a revolutionary device for converting wave energy into electricity. That breakthrough and the quality of subsequent research at Edinburgh have led to the University being regarded as one of the world's leading institutions in marine energy research.

This track record was central to the decision by the Engineering and Physical Sciences Research Council to partially fund the development of the new test tank.

Without access to cutting-edge testing equipment, marine energy companies would face the expensive and time-consuming task of trialling devices at sea. Mr Brown hopes the facility will help to liberate the industry, allowing companies to "de-risk" new technology, and thus bring "right-first-time" products to market more rapidly. He views Edinburgh's science and engineering students as the seedbed for staffing those companies, and stresses the test tank's role in enriching the relationships between students, research and industry.

"Marine energy companies need sufficiently skilled and talented people," Mr Brown says. "Where are those people going to come from? They're going to be at Edinburgh doing their studies, then hopefully doing research in our tank, then going out into industry. From the University's perspective it's a virtuous circle. This tank brings developers in and around the University. That stimulates an industry that requires staff – and they need to be talented students who are used to playing with this kind of kit. So for the University and students it's a win-win situation."

The decision to build the tank at Edinburgh has already had other positive consequences for students, as Professor Stefano Brandani, Head of the School of Engineering, explains.

"As a result of the commitment to the structure being made we were successful in obtaining the Industrial Doctorate Centre in Offshore Renewable Energy (IDCORE), in partnership with the universities of Strathclyde and Exeter," he says. "It offers a four-year Engineering Doctorate programme and will initially train 50 doctoral students. IDCORE links us with a number of significant companies, so students will go and work in industry as well as undertaking research with us."

Researchers, staff and developers do not have long to wait until they can start using the FloWave tank. The building housing the facility, and the main basin, have already been completed, and early in 2013 the wave-makers, current generators and instrumentation will be installed. Following calibration, the tank will be ready to open in July or August 2013.

Professor Ian Bryden, Head of the Institute for Energy Systems and Chair of Renewable Energy at Edinburgh, says there is a direct link between the achievements 40 years ago of Stephen Salter – now Emeritus Professor of Engineering Design – and the facility emerging at King's Buildings.

"The work in the 1970s was responsible for making rigorous the whole concept of testing waves in laboratory conditions," he explains. "Prior to that, and no pun intended, it was a fairly hand-waving discipline."

He adds: "No one else has been bold enough to propose something on this scale worldwide. Our doctoral students are going to be exposed to beyond world-class facilities, beyond state-of-the-art facilities."

"No one else has been bold enough to propose something on this scale worldwide."

Professor Lesley Yellowlees, Vice-Principal and Head of the College of Science & Engineering, considers the FloWave tank to be an important expression of the University's status as an international research hub.

"The wave tank is particularly exciting because it shows we are at the heart of trying to find solutions for the global challenges we face," she says. "That's what the University does and should be doing. It's also exciting for the city of Edinburgh to have it, because in the very near future this city will be the worldwide centre for research into marine energy."

USEFUL LINKS

<http://www.flowavett.co.uk> <http://goo.gl/2MLCQ>

“Our doctoral students are going to be exposed to beyond world-class facilities, beyond state-of-the-art facilities.”



The FloWave team prepares to launch the test facility in summer 2013.

News in brief

1

AUGUST 2011 GENETICS STUDY EXAMINES INTELLIGENCE

A University study – to test people’s DNA for genetic variations linked to intelligence – provided the first direct biological evidence for a genetic contribution to human intelligence. Previous studies on twins and adopted people have suggested that there is a substantial genetic contribution to thinking skills. The Edinburgh research team, which studied two types of intelligence in more than 3,500 people from Scotland, England and Norway, found that 40 to 50 per cent of people’s differences in knowledge and problem-solving skills could be traced to their genes. More than half a million genetic markers on every person’s DNA were examined.

2

SEPTEMBER 2011 HRH THE PRINCESS ROYAL INSTALLED AS CHANCELLOR

HRH The Princess Royal was installed as the Chancellor of the University at a special event held in the newly refurbished Old College quadrangle. The Princess Royal succeeds HRH The Prince Philip, Duke of Edinburgh, who stepped down from the role in 2010, having held the position since 1953. The Princess, who is also Patron of the University’s Royal (Dick) School of Veterinary Studies, is the eighth Chancellor in the 150-year history of the position. The Chancellor is Chair of the General Council and nominates an Assessor in the University Court. Degrees are conferred by the Chancellor, or by the Vice-Chancellor.

3

OCTOBER 2011 SCIENTISTS UNITE TO BEAT DISEASES

One of Europe’s largest centres for research into human genetics and molecular medicine was created when more than 200 staff and students from the Medical Research Council Human Genetics Unit joined the University of Edinburgh. The newly strengthened Institute of Genetics and Molecular Medicine, a partnership between the University of Edinburgh’s Centre for Molecular Medicine, the Medical Research Council and Cancer Research UK, will deliver clinical benefits directly to patients suffering from a variety of diseases. Conditions studied will include brain and eye disorders, cystic fibrosis and childhood and adult cancers.

4

NOVEMBER 2011 MEMORY LINK TO SCHIZOPHRENIA REVEALED

Edinburgh researchers, working with Cardiff University colleagues, made a vital discovery about how schizophrenia develops. The scientists identified changes to genes in patients with schizophrenia who had not inherited the disorder and found that these genetic mutations could be linked to systems in the brain responsible for learning and memory. The findings could inform new drug therapies for the condition. “Although it has been known for some time that DNA mutations predispose individuals to the development of schizophrenia, it has remained a puzzle as to how these genes cause behavioural problems,” said Seth Grant, Professor of Molecular Neuroscience. “The surprising finding was that DNA mutations that cause schizophrenia are interfering with the same proteins in the molecular machinery that controls learning and memory.”

5

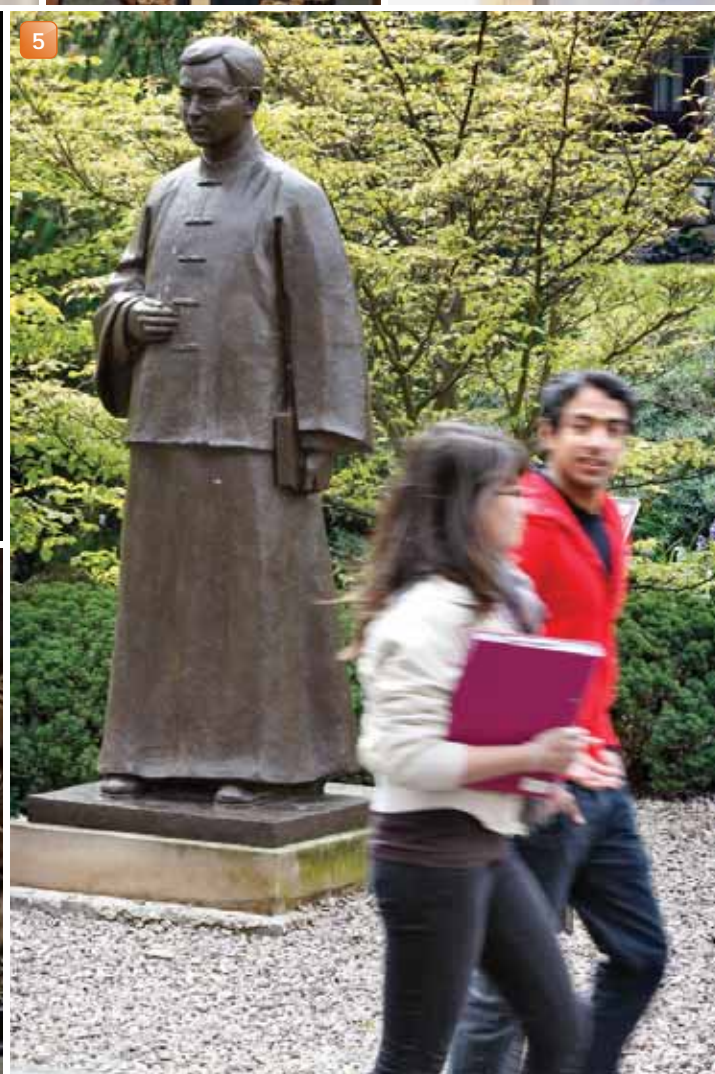
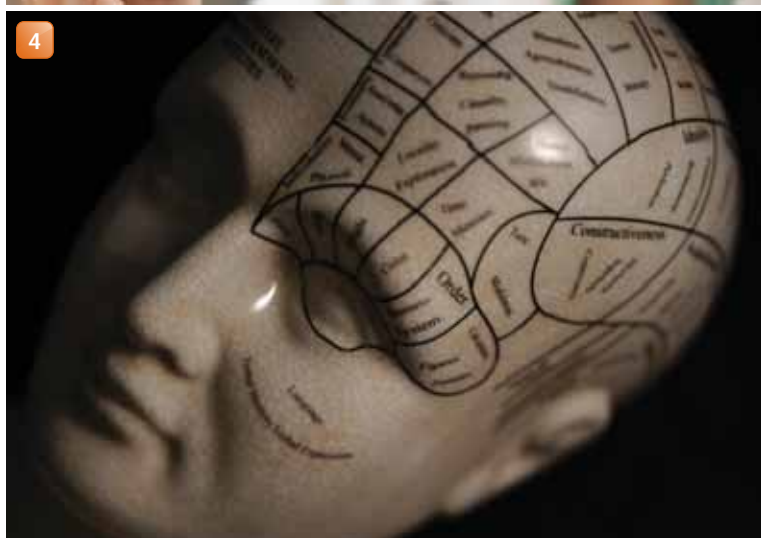
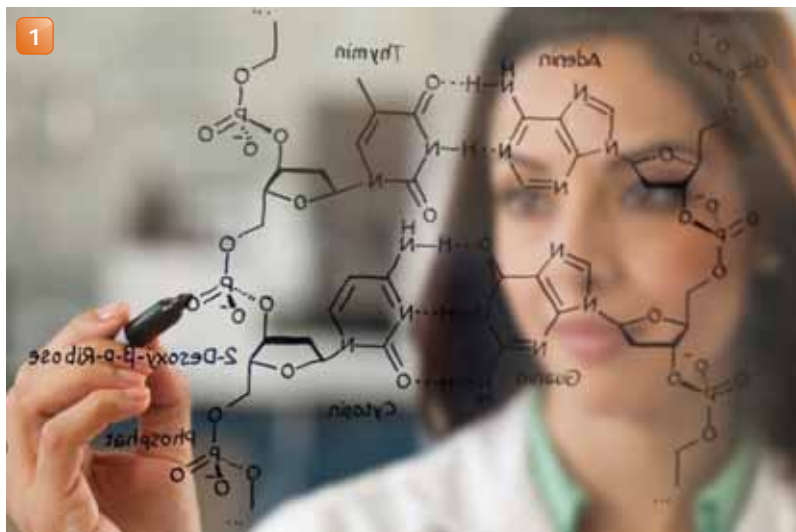
DECEMBER 2011 GOLD AWARD FOR CONFUCIUS INSTITUTE

The University’s Confucius Institute received a gold medal to mark its outstanding contribution for strengthening ties with China. The award is the latest in a line of honours attributed to the Institute, which was crowned Confucius Institute of the Year for four consecutive years. The Confucius Institute for Scotland at the University of Edinburgh was established in 2005 as a partnership between Edinburgh and Fudan University, Shanghai. The Institute acts as a bridge between Scotland and China by offering an extensive programme of Chinese language training and working with stakeholders to develop greater awareness of China in Scotland.

6

JANUARY 2012 ANATOMY ARTEFACTS UNVEILED TO PUBLIC

Intriguing artefacts, such as a facial cast of 19th-century murderer William Burke, were made available to the public, following a revamp of the University’s 1884 Anatomy Museum. The Museum launched regular public opening hours for the first time, allowing visitors access to its unique collection on the last Saturday of every month. Among the objects on show are death masks of Sir Walter Scott, William Shakespeare, King George III and King George IV, a gorilla’s skeleton and a preserved body from the late 1790s. “The museum provides a fascinating insight into how anatomy has progressed from the late 1700s to the present day,” said Dr Gordon Findlater, Head of Anatomy.



News in brief

7

FEBRUARY 2012 STUDENTS SAMPLE NEW LEARNING METHODS

Traditional teaching was abandoned for one week in February for a new scheme to encourage students and teaching staff to explore alternative methods of learning. The University's first Innovative Learning Week gave students a packed programme of learning activities, which offered extra opportunities designed to develop new skills and prepare for employment. Instead of attending conventional lectures and tutorials, students participated in work-based projects, attended science communication workshops, took part in course design or received support with CV and career preparation. Innovative Learning Week will run again in February 2013.

8

MARCH 2012 RECTOR BEGINS THREE-YEAR TERM

Edinburgh alumnus and political blogger Mr Peter McColl was installed as the University's new Rector. The Rector chairs the University Court, the governing body of the University, and is elected every three years. Mr McColl, a former Vice-President of the Edinburgh University Students' Association, is the 51st person to hold the post. He was formerly Rector's Assessor, while Mr Mark Ballard MSP held the post of Rector. "The Rector's position as Chair of the University Court is a vital part of good governance, and I look forward to ensuring that this continues," said Mr McColl. Previous rectors have included Sir Winston Churchill (1929–32) and Sir Alexander Fleming (1951–54).

9

APRIL 2012 CARBON RESEARCH ATTRACTS INVESTMENT

Investment of £13 million was awarded to carbon capture and storage research coordinated by the University of Edinburgh. The UK Carbon Capture and Storage Research Centre will bring together leading researchers from across the UK and act as an interface for government, industry and international collaboration. Carbon capture and storage (CCS) involves capturing carbon dioxide emitted from burning fossil fuels in power plants and industrial processes, and transporting it to secure geological storage sites under the seabed. The Centre's multidisciplinary teams will work with UK and international partners on priority research areas to contribute the use of CCS to limit CO₂ emissions from fossil fuel use.

10

MAY 2012 FASHION SHOW MAKES PLAYFAIR DEBUT

The University's iconic Playfair Library Hall was transformed into a catwalk to host the Edinburgh College of Art Fashion Show, a major event in the city's cultural calendar, and the first show since the University of Edinburgh merged with Edinburgh College of Art in August 2011. An audience of almost 2,500, including more than 400 school children, viewed collections from final-year students from the Fashion, Performance Costume and Textiles programmes, during the show's three-day run. More than 150 students, supported by a team of staff, models and professional hair and make-up artists, took part in the show's production, from backstage support to front-of-house duties.

11

JUNE 2012 AFRICAN STUDIES CELEBRATES 50-YEAR HISTORY

The University's Centre of African Studies (CAS) celebrated its 50-year history with a landmark conference exploring issues relating to the continent, including politics, development and climate change. Founded in 1963, the Centre has generated leading research on many aspects of Africa. Its activities include teaching and supervision, seminars, conferences, workshops and fundraising for scholarships. CAS also links with major educational and cultural organisations in Africa and Scotland. The University's educational links with Africa can be traced back to the 19th century. James 'Africanus' Horton (1835–1883) of Sierra Leone was the University's first recorded African graduate.

12

JULY 2012 ONLINE COURSES LAUNCHED FOR ALL

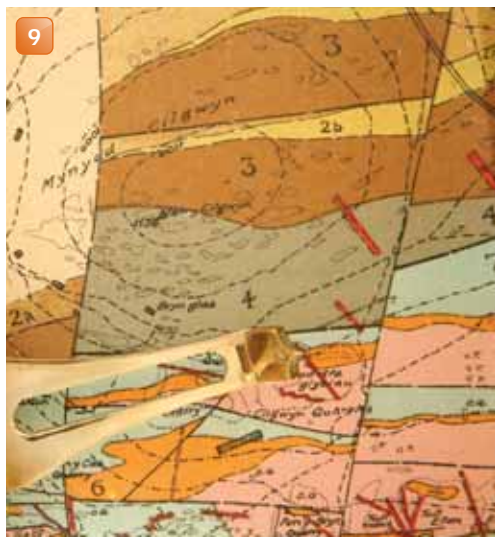
The University launched six new courses available to anyone for online study. These Massive Open Online Courses (MOOCs) are delivered through the Coursera partnership, a network of leading international universities that offers short undergraduate-level online courses free of charge. Edinburgh was the first UK university to join the initiative. The available courses cover a broad range of subjects, including astrobiology, equine nutrition, artificial intelligence, e-learning and digital cultures, philosophy, and critical thinking in global challenges. Developed by senior academic staff, the content of MOOCs is checked using the same quality assurance methods as other programmes. However, they do not offer a credit towards entrance to the University.



7



8



9



10



12



11

Financial review

In financial terms, this past year has proved to be another very successful one. During this period the University merged with Edinburgh College of Art (ECA) and the MRC's Human Genetics Unit (HGU), adding to the core strengths of the University, building on our international reputation, and diversifying and strengthening our scientific and cultural contributions to society.

Income and expenditure highlights include:

- **Funding Council grants reduced to 27 per cent of total income compared to the previous year (29 per cent);**
- **tuition fee income grew by £19 million to £150 million, within which we achieved a 24 per cent increase to £85 million in respect of students from outside the EU. Fees from UK and EU students increased moderately, and overall student numbers exceeded 31,000 for the first time;**
- **research grants income grew as a result of the mergers with ECA and HGU, and a steady performance elsewhere;**
- **other income includes sources such as residences, catering and conferences as well as income from subsidiary companies. Overall, this category increased its turnover from £137.6 million to £155.4 million, a 13 per cent increase on the previous year;**
- **the University of Edinburgh Development Trust received more than £11 million in donations, one of its strongest results to date;**
- **reflecting this growing activity, staff numbers increased by 8.5 per cent. Overall staff costs, at £355 million, represent 54 per cent of total expenditure.**

The strong balance sheet reflects another year of positive cash generation, and includes £50 million of long-term loan finance secured from the European Investment Bank. This cash generation is key to our ability to reinvest in our extensive estate against a background of reducing support from public funds.

The total value of the endowment fund increased during the year by £2 million to £238 million and income, together with that on bank deposits, grew strongly by 25 per cent.

Consistent with our *Estate Strategy 2010-2020* and *Strategic Plan 2012-2016*, a range of developments is underway, including:

- **the final phase of the Main Library redevelopment;**
- **the £10 million Edinburgh Centre for Carbon Innovation (ECCI). The ECCI will facilitate development of workable solutions for a low carbon future;**
- **a £10 million test tank facility at King's Buildings is being developed, which will provide a facility for testing off-shore renewable energy devices;**
- **a £33 million redevelopment of a major building in the George Square area, to relocate the School of Literatures, Languages & Cultures from around 17 different sites;**
- **a £12 million extension to the Advanced Computer Facility;**
- **post-merger, refurbishment works continue on the ECA estate;**
- **the £3 million Anne Rowling Regenerative Neurology Clinic development.**

Other projects include the McEwan Hall (£27 million), St Cecilia's Hall (£7 million), Appleton Tower cladding (£27 million), and the School of Biological Sciences at King's Buildings (£37 million). Other new building projects being progressed include new avian facilities at the Roslin Institute (£14 million), a link building for Systems Medicine at the Western General Hospital (£10 million) and a Day Nursery at King's Buildings (£3 million). Completed estates developments during the year included the new Noreen and Kenneth Murray Library facility at King's Buildings and the penultimate phase of the

Main Library. Major investment has been made in the IT-related infrastructure with essential additional network resilience installed at Easter Bush. The year also saw the official opening of the £54 million Scottish Centre for Regenerative Medicine.

The University Court has agreed a financial strategy to support the *Strategic Plan* which sets some key financial targets, such as delivering consistent recurrent surpluses and maintaining an adequate level of expenditure on building maintenance and refurbishment. It also addresses investment management and liquidity.

We continue to pursue an active international agenda with a range of new developments. The University has achieved the highest rating in the skilled worker and student categories under the UK Borders Agency (UKBA) rating system and maintained a highly trusted status, ensuring our ability to recruit the best staff and students from around the world is maintained. The special relationship with North American institutions was further consolidated by the formal launch of the International Office's North America Liaison Office. In addition the new Office of the Americas based in São Paulo has now been opened.

Following the Scottish Government's decision to remove funding for students studying in Scotland, who usually live in the rest of the UK, the University set fees for this cohort of (RUK) students at £9,000 per annum. It also introduced the UK's most generous package of bursaries for RUK-domiciled students on the lowest household incomes, with the aim of ensuring that no student is prevented from attending the University on the basis of financial difficulty. More than 50 per cent of the additional tuition fee income goes towards bursaries with the remainder going towards enhancing the student experience. A major new scheme for access and accommodation bursaries for Scottish-domiciled students has also been introduced.

The University also remains fully committed to improving its performance in the National Student Survey.

It is extremely pleasing to see that the University has maintained its strong performance despite a very challenging external climate. None of this success would have been possible without the commitment and ingenuity of our staff, students and supporters.

GROUP INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31 JULY

| | 2012 £'000 | 2011 £'000 |
|---|-----------------------|-----------------------|
| Income | | |
| Funding Council grants | 189,438 | 189,508 |
| Tuition fees and education contracts | 150,298 | 131,060 |
| Research grants and contracts | 193,119 | 180,990 |
| Other income | 155,378 | 137,549 |
| Endowment and investment income | 12,654 | 10,123 |
| Total income | 700,887 | 649,230 |
| Expenditure | | |
| Staff costs | 354,673 | 331,177 |
| Other operating expenses | 268,853 | 243,929 |
| Depreciation | 31,569 | 25,579 |
| Interest payable | 4,818 | 4,798 |
| Total expenditure | 659,913 | 605,483 |
| Surplus on continuing operations after depreciation of assets at valuation and before taxation | 40,974 | 43,747 |
| Gain/(loss) on disposal of fixed assets | 206 | (66) |
| Taxation | (31) | (20) |
| Minority interest | (30) | 16 |
| Transfers from/(to) accumulated income in endowment funds | 546 | (1,454) |
| Surplus for the year retained within general reserves | 41,665 | 42,223 |
| | 2012 £'000 | 2011 £'000 |
| Fixed assets | 1,379,564 | 1,347,246 |
| Endowment asset investments | 238,329 | 236,512 |
| Net current assets | 178,794 | 86,181 |
| Total assets less current liabilities | 1,796,687 | 1,669,939 |
| Creditors: amounts falling due after more than one year | (109,970) | (54,025) |
| Provisions for liabilities and charges | (11,005) | (6,800) |
| Pension liability | (99,274) | (68,174) |
| Total net assets | 1,576,438 | 1,540,940 |
| Represented by: | | |
| Deferred capital grants | 349,371 | 336,992 |
| Endowments: | | |
| Expendable | 158,476 | 158,686 |
| Permanent | 79,853 | 77,826 |
| Total endowments | 238,329 | 236,512 |
| Reserves | | |
| Revaluation reserve | 714,883 | 717,272 |
| General reserves excluding pension liability | 373,099 | 318,338 |
| Pension reserve | (99,274) | (68,174) |
| Total reserves | 988,708 | 967,436 |
| Minority interest | 30 | - |
| Total funds | 1,576,438 | 1,540,940 |

GROUP BALANCE SHEET AS AT 31 JULY

The above information reflects the audited accounts for the year to July 2012 published in December 2012. Anyone wishing further information is invited to contact the University's Director of Finance.

Honorary graduations and other distinctions

Those awarded honorary degrees between
1 August 2011 and 31 July 2012



Professor John Beddington
UK Chief Scientific Adviser
and Honorary Principal
Research Fellow in
Applied Population
Biology, Imperial
College London
Doctor of Science



Mr Pascal Lamy
Director-General,
World Trade
Organization
Doctor of Science



Professor William McKelvey
Professor of Veterinary
Science and Former
Principal of the Scottish
Agricultural College
Doctor of Science



Ms Nicola Benedetti
Violinist
Doctor of Music



Professor Malcolm Longair
Jacksonian Professor
of Natural Philosophy
(1991–2008),
The University
of Cambridge
Doctor of Science



Dr John Markland
Former Vice-Convener,
The University of
Edinburgh Court
Doctor *honoris causa*



Professor Fergus Craik
Senior Scientist,
Baycrest Rotman
Research Institute
Doctor of Science
in Social Science



Ms Helen Ann Mackinnon
Director of Nursing,
Midwifery and Allied
Health Professions,
NHS Education for
Scotland (retired)
Doctor of Science
in Social Science



Professor Sir Fergus Millar
Emeritus Camden
Professor of Ancient
History, The University
of Oxford
Doctor of Letters



Professor Douglas Dunn
Emeritus Professor
of English,
The University
of St Andrews
Doctor of Letters



Mrs Irene McTernan
Administrator,
The University of
Edinburgh Sports
Union (retired)
Honorary Fellow



Professor Jonathan Edward Harland Mills
Director, Edinburgh
International Festival
Doctor *honoris causa*



Mr Suresh Kumar Goel
Director-General,
Indian Council for
Cultural Relations
Doctor *honoris causa*



Mr David McAllister
Prime Minister
of Lower Saxony
Doctor *honoris causa*



Mr Edson Arantes do Nascimento (Pelé)
Footballer and
United Nations
ambassador for ecology
and the environment
Doctor *honoris causa*



Dr Vyacheslav Nikonov
Chairman of the
Management Board,
Russkiy Mir Foundation
Doctor *honoris causa*



**The Very Reverend
Professor Iain Richard
Torrance**
President, Princeton
Theological Seminary
Doctor of Divinity

BENEFACTORS

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



Professor Pippa Norris
McGuire Lecturer in
Comparative Politics,
The John F Kennedy
School of Government,
Harvard University
Doctor *honoris causa*



Dr Lincoln Wallen
Chief Technology Officer,
DreamWorks Animation
Doctor *honoris causa*



**The Kirby Laing
Foundation**
Represented by the
Reverend Charles Burch,
Trustee of the Foundation.
The Kirby Laing Foundation
has been a long-standing
supporter of the University's
School of Divinity



**Professor
Stephen Salter**
Emeritus Professor of
Engineering Design,
The University
of Edinburgh
Doctor of Science



**The Rt Hon Lord
Wilson of Tillyorn**
Chancellor,
The University
of Aberdeen
Doctor *honoris causa*



**Mr Hugh and
Mrs Josseline Langmuir**
University benefactors



Mr Jon Snow
Journalist and
broadcaster
Doctor *honoris causa*



Mr Martin Wishart
Chef and entrepreneur
Doctor *honoris causa*



**Dr Joanne Kathleen
Rowling**
Author JK Rowling
donated £10 million
to the University for
the establishment
of the Anne Rowling
Regenerative
Neurology Clinic



**Professor Dame Joan
Kathleen Stringer**
Principal and Vice-
Chancellor, Edinburgh
Napier University
Doctor *honoris causa*



[www.ed.ac.uk/
about/people/
honorary-degrees](http://www.ed.ac.uk/about/people/honorary-degrees)

Awards and achievements

A selection of accolades bestowed upon members of staff and associates of the University of Edinburgh between 1 August 2011 and 31 July 2012

QUEEN'S HONOURS

New Year Honours List

Professor Alan Bundy, Professor of Automated Reasoning, was made CBE for services to computer reasoning.

Dr Frances Dow, Honorary Fellow in History, was made CBE for services to UK-US relations and the Marshall Scholarships.

Professor Ursula Martin, Visiting Professor with the School of Informatics, was made CBE for services to computer science.

Professor Stuart Haszeldine, Scottish Power Professor of Carbon Capture and Storage, was made OBE for services to climate change technologies.

Mr Gordon MacKinlay, General Paediatric Surgeon and Child Life and Health Senior Lecturer, was made OBE for services to paediatric surgery.

Mr Brian Cameron, Technical Support Officer with the School of GeoSciences, was made MBE for services to science engagement in Scotland.

Dr James Roy Robertson MBE, part-time Reader in General Practice with the Centre for Population Health Sciences, was made Lieutenant of the Royal Victorian Order (LVO).

Birthdays Honours List

Professor Heather Cubie, Head of the University-based Human Papillomavirus Group and Honorary Professor of Research and Research Management, was made MBE for services to healthcare science in Scotland.

Professor Scott Murray, St Columba's Hospice Chair of Primary Palliative Care, was made MBE for services to medical science.



www.ed.ac.uk/news/staff/honours-040111



www.ed.ac.uk/news/staff/honours-180612

UNIVERSITY AWARDS

Chancellor's Awards

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

Professor Mark Bradley, Professor of High-Throughput Chemistry, received the Chancellor's Award for Research.

Professor Sue Welburn, Professor of Medical and Veterinary Molecular Epidemiology, received the Chancellor's Award for Teaching.

Dr Dominic Johnson, Reader in Politics and International Relations, received the Rising Star Award.

EUSA Teaching Awards

The EUSA Teaching Awards recognise teaching excellence across 13 categories.

2012 winners

Award for Teaching in the Vet School:

Professor Graham Pettigrew (Preclinical Veterinary Science)

Best Course: **Pioneers of Cultural Communication: Europe, India & Japan** (History)

Best Department: **English Literature**

Best Director of Studies:

Dr Dimitra Politi (Economics)

Best Feedback: **Dr Graeme Trousdale** (Linguistics & English Language)

Best Postgraduate Tutor:

Ms Charity McAdams (English Literature)

Best Research or Dissertation Supervisor: **Dr Mary Ho** (Business)

Campbell Award for Teaching in the Humanities & Social Sciences:

Professor Hector MacQueen (Law)

Developing Student Employability:

Ms Susan Kemp (Film, Performance & Media Arts)

Innovative Teaching Award:

Ms Fumiko Narumi-Munro (Japanese)

Kendell Award for Teaching in Medicine:

Professor Jamie Davies (Biomedical Sciences)

Simon van Heyningen Award for Teaching in Science & Engineering:

Dr Kristel Torokoff (Physics & Astronomy)

Supporting Students' Learning Award:

Ms Edyta Monika Hunter (Psychology)



www.eusa.ed.ac.uk/teachingawards

Principal's Medals

Two medals are awarded to recognise staff who have made a significant contribution to the University and those who have made an impact in the wider community outside the University.

The 2011 Principal's Medal for Outstanding Service was jointly awarded to **Ms Karen Bowman**, Director of Procurement, and **Mr Jake Broadhurst**, International Projects Manager.

The 2011 Principal's Medal for Service to the Community was awarded to **Dr Chris Speed**, Reader in Architecture.

Tam Dalyell Prize for Excellence in Engaging the Public with Science

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

The 2011 award was given to **Professor Colin Pulham**, Professor of High-Pressure Chemistry.

FELLOWSHIPS

Academy of Medical Sciences

Professor Jane Norman, Professor of Maternal and Fetal Health, and **Professor Philippa Saunders**, Director of Postgraduate Research (MVM), were made Fellows of the Academy of Medical Sciences.

British Academy

Professor Neil Walker, Regius Professor of Public Law and the Law of Nature and Nations, was made a Fellow of the British Academy.

Chartered Institute of Personnel and Development

Professor Brian Main, Professor of Business Economics, has been made an Academic Fellow of the Chartered Institute for Personnel and Development.

Institute of Electrical and Electronics Engineers

Professor Bernie Mulgrew, Professor of Signals and Systems, was elected Fellow of the Institute of Electrical and Electronics Engineers.

Institute of Physics

Professor Lesley Yellowlees, Professor of Inorganic Electrochemistry, Vice-Principal and Head of the College of Science & Engineering, was made a Fellow of the Institute of Physics.

International Research Society for Public Management

Professor Stephen Osborne, Professor of International Public Management, was made an Honorary Fellow of the International Research Society for Public Management.

Royal Scottish Geographical Society

Mr Bruce Gittings, MSc in GIS External Relations Coordinator, was made a Fellow of the Royal Scottish Geographical Society.

Royal Society

Professor Alan Bundy, Professor of Automated Reasoning, and **Professor Andrew Miller**, Professor of Systems Biology, were made Fellows of the Royal Society.

Royal Society of Edinburgh

University of Edinburgh academics elected to the Fellowship of the Royal Society of Edinburgh were:

- **Professor Polly Arnold**, Chair of Synthetic Inorganic Chemistry
- **Professor David Cameron**, Professor of Oncology and Clinical Director of the Edinburgh Cancer Research Centre
- **Professor Rebecca Cheung**, Professor of Nanoelectronics
- **Professor Hilary Critchley**, Professor of Reproductive Medicine
- **Professor Heather Cubie**, Honorary Professor of Research and Research Management
- **Professor Jane Dawson**, Professor of Reformation History

- **Professor John Iredale**, Professor of Medicine
- **Professor Simon Kirby**, Professor of Language Evolution
- **Professor Loeske Kruuk**, Professor of Evolutionary Ecology
- **Professor Gareth Leng**, Professor of Experimental Physiology and Head of the School of Biomedical Sciences
- **Professor Leonid Libkin**, Professor of Foundations of Data Management
- **Professor Lesley Yellowlees**, Professor of Inorganic Electrochemistry, Vice-Principal and Head of the College of Science & Engineering

OUTSTANDING RESEARCH

International Glaciological Society

Professor David Sugden, Emeritus Professor, was awarded the Seligman Crystal by the International Glaciological Society.

Mineralogical Society of Great Britain and Ireland

Professor Barry Dawson, Emeritus Professor in the School of GeoSciences, was awarded the Society's Collins Medal.

Royal Academy of Engineering

Professor Stephen Salter, Emeritus Professor of Engineering Design, received the Royal Academy of Engineering's Sustained Achievement Award.

Royal Astronomical Society

Professor Andy Lawrence, Regius Professor of Astronomy, received the Royal Astronomical Society Group Award as part of the United Kingdom Infrared Telescope, Infrared Deep Sky Survey (UKIDSS) team.

Royal Scottish Geographical Society

Professor David Sugden, Emeritus Professor, was awarded the Coppock Research Medal from the Royal Scottish Geographical Society.

Professor Charles Withers, Ogilvie Chair of Geography, received the Founder's Medal.

Royal Society

Five Edinburgh researchers were among an elite group of scientists to receive the Society's highly regarded awards, medals and lectureships in recognition of the wider societal impact of their work.

- **Professor Polly Arnold**, Chair of Synthetic Inorganic Chemistry, received the Rosalind Franklin Award.
- **Professor Adrian Bird**, Buchanan Professor of Genetics, was awarded the GlaxoSmithKline Prize.
- **Professor Sir Kenneth Murray**, Emeritus Professor, was awarded the Royal Medal.

- **Professor Gordon Plotkin**, Professor of Informatics, received the Milner Award.
- **Professor David Leigh**, Forbes Professor of Organic Chemistry, will give the Bakerian Lecture.

Royal Society of Chemistry

Professor Polly Arnold, Chair of Synthetic Inorganic Chemistry, won the Royal Society of Chemistry's Corday-Morgan Prize.

Royal Society of Edinburgh (RSE)

Dr David Wright, Senior Research Assistant in the School of GeoSciences, was awarded the first RSE/BP Hutton Prize in Energy Innovation.

Zoological Society

Professor Tom Little, Professor of Evolutionary Biology, received the Zoological Society of London Scientific Medal.

EXCELLENT SERVICE

National Government Opportunities (GO) Excellence in Public Procurement Awards

The **University Procurement** department was named GO Team of the Year.

HR Network National Awards

Ms Lindsay McKeown, HR Coordinator with Accommodation Services, received the award of HR Assistant/HR Officer of the Year.

PraxisUnico Impact Awards

Dr Sonja Vujovic, Roslin Institute Business Development Manager, was named Knowledge Transfer Achiever of the Year.

EducationInvestor Awards

Launch.ed, the University's free support service for student entrepreneurs, won the award for higher education innovation.

LOCAL HEROES

The Edinburgh Award

Emeritus Professor Peter Higgs received the Edinburgh Award. A sculpture of the theoretical physicist's handprints was installed on a flagstone in the City Chambers' quadrangle.

The List Award

FOUND, the band and art collective featuring University staff members **Mr Ziggy Campbell**, Sound Technician, and **Professor Simon Kirby**, Professor of Language Evolution, won the inaugural *List* award for an exceptional contribution to Scottish arts.

Scottish BAFTAs

Ms Morag McKinnon, Edinburgh College of Art tutor, won the award for best feature, for her film *Donkeys*.

MAKING AN IMPACT

Royal Society of Edinburgh

Professor Tom Devine, Senior Research Professor of History, was awarded the RSE Beltane Senior Prize for Public Engagement.

Society for Applied Microbiology

Ms Vicky Jane Young, second-year PhD student with the MRC Centre for Reproductive Health, won the Society's Communications Award.

Society for General Microbiology

Dr Marieke Hoeve, Research Fellow and Project Manager with the Centre for Regenerative Medicine, was awarded the Society for General Microbiology Outreach Prize.

RISING STARS

Nexus Life Science Awards

Dr Sarah Reece, Wellcome Trust Fellow in the School of Biological Sciences, won 2011 Nexus Young Scientist of the Year.

Royal Astronomical Society

Dr Tom Kitching, Fellow at the Institute for Astronomy, won the Winton Capital Award from the Royal Astronomical Society.

Society for Primary Care

Dr Kathrin Cresswell, Research Fellow at the Centre for Population Health Sciences, was awarded the Society for Primary Care's Yvonne Carter Award for Outstanding New Researcher.

INTERNATIONAL ACCLAIM

French Honour

Professor Sir Michael Atiyah, Honorary Professor, received France's highest honour. He was presented with the insignia of Grand Officier de la Légion d'honneur.

World Stroke Organization

Professor Peter Sandercock, Professor of Medical Neurology, received the World Stroke Organization President's Award.

Les Prix du Québec

Ms Harriet Kennedy, first-year PhD student in the Centre of Canadian Studies, won the postgraduate Prix du Québec.

Granovetter Award

Professor Donald MacKenzie, Professor of Sociology, won the Granovetter Award for the best published article on economic sociology from the American Sociological Association. His winning article was 'The Credit Crisis as a Problem in the Sociology of Knowledge'.

Honorary Degree

The University's Principal, **Professor Sir Timothy O'Shea**, was awarded an honorary degree from McGill University, Montreal. He received the Doctor of Laws.

Appointments

Appointments commenced between
1 August 2011 and 31 July 2012

COLLEGE OF HUMANITIES & SOCIAL SCIENCE

Personal Chairs

Professor Mark Aspinwall

Personal Chair of Politics
and International Relations

Professor Christina Boswell

Personal Chair of Politics

Professor Holly Branigan

Personal Chair of Psychology
of Language and Cognition

Professor Tom Devine

Personal Senior Research Chair of History

Professor Anthony Lynch

Personal Chair of Student Learning

Professor Andrew McKinlay

Personal Chair of Social Psychology

Professor Fiona McLachlan

Personal Chair of Architectural Practice

Professor Jolyon Mitchell

Personal Chair of Communications,
Arts and Religion

Professor Elspeth Reid

Personal Chair of Scottish Private Law

Professor Andrew Thompson

Personal Chair of Public Policy and Citizenship

Professorships

Professor Emilius Avgouleas

Chair of Banking Law

Professor Christine Bell

Chair of Constitutional Law

Professor Ewen Cameron

Sir William Fraser Chair of Scottish
History and Palaeography

Professor Grant Jarvie

Chair of Sport

Professor Nanette Mutrie

Chair of Physical Activity for Health

Professor Lydia Plowman

Chair of Education and Technology

Professor Mona Siddiqui

Chair of Islamic and Inter-Religious Studies

Professor Urs Matthias Zachmann

Handa Chair of Japanese–Chinese Relations

Honorary Professorships

Professor David Breeze

School of History, Classics & Archaeology

Professor Bronwen Cohen

School of Social & Political Science

Professor Henry McLeish

School of Social & Political Science

Professor Belinda Thomson

Edinburgh College of Art

COLLEGE OF MEDICINE & VETERINARY MEDICINE

Personal Chairs

Professor Alison Douglas

Personal Chair of Reproductive
Neuroendocrinology

Professor Ross Fitzgerald

Personal Chair of Molecular Bacteriology

Professor Thomas Freeman

Personal Chair of Systems Immunology

Professor Brian McKinstry

Personal Chair of Primary Care E-Health

Professor Igor Rudan

Personal Chair of International Health
and Molecular Medicine

Professor Mark Stevens

Personal Chair of Microbial Pathogenesis

Professor David Wilson

Personal Chair of Paediatric
Gastroenterology and Nutrition

Professor David Wyllie

Personal Chair of Ion Channel
Physiology and Pharmacology

Professorships

Professor Andrew McIntosh

Chair of Biological Psychiatry

Professor Jeremy Hall

Chair of Psychiatry

Professor Paul Digard

Chair of Livestock Immunology

Honorary Professorships

Professor John Bartlett
School of Molecular & Clinical Medicine

Professor John Fazakerley
The Roslin Institute at the University of Edinburgh

Professor Brian Fleck
School of Clinical Sciences & Community Health

Professor John Forsythe
School of Clinical Sciences & Community Health

Professor David Harrison
School of Molecular & Clinical Medicine

Professor Richard Ibbetson
School of Clinical Sciences & Community Health

Professor Jacqueline Matthews
Royal (Dick) School of Veterinary Studies

Professor Alan McNeilly
School of Clinical Sciences & Community Health

Professor Richard Meehan
School of Molecular & Clinical Medicine

Professor Elspeth Milne
Royal (Dick) School of Veterinary Studies

Professor Anne O'Hare
School of Clinical Sciences & Community Health

Professor Christopher Prowse
School of Clinical Sciences & Community Health

Professor Robin Sellar
School of Molecular & Clinical Medicine

Professor Michael Sharpe
School of Molecular & Clinical Medicine

Professor Marc Turner
School of Clinical Sciences & Community Health

Professor Hamish Wallace
School of Clinical Sciences & Community Health

Professor Elaine Watson
Royal (Dick) School of Veterinary Studies

COLLEGE OF SCIENCE & ENGINEERING

Personal Chairs

Professor Stuart Anderson
Personal Chair of Dependable Systems

Professor James Douglas Armstrong
Personal Chair of Systems Neurobiology

Professor Philip Best
Personal Chair of Extragalactic Astrophysics

Professor Claire Blackburn
Personal Chair of Tissue Stem Cell Biology

Professor Euan Brechin
Personal Chair of Coordination Chemistry

Professor Stephen Gilmore
Personal Chair of Software Systems Modelling

Professor Maurizio Mencuccini
Personal Chair of Forest Science

Professor Peter Nienow
Personal Chair of Glaciology

Professor Jamie Pearce
Personal Chair of Health Geography

Professor Graham Stone
Personal Chair of Ecology

Professor Henry Thompson
Personal Chair of Web Informatics

Professor John Thompson
Personal Chair of Signal Processing
and Communications

Professorships

Professor Charles Cockell
Chair of Astrobiology

Senior Honorary Professorships

Professor Alexander Davie
School of Mathematics

Professor Colin Graham
School of GeoSciences

Honorary Professorships

Professor Richard Mitchell
School of GeoSciences

Professor Alan O'Neill
School of GeoSciences

Professor Prakash Panangaden
School of Informatics

Professor Keiichi Tokuda
School of Informatics

Appendix 1

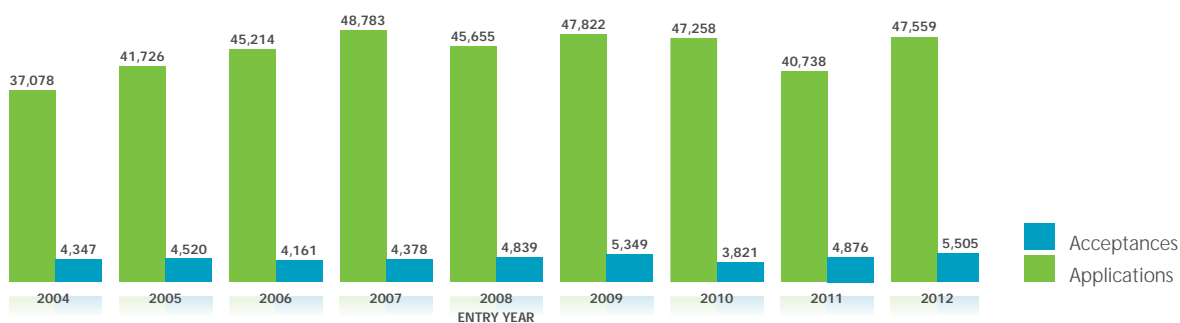
UNDERGRADUATE APPLICATIONS AND ACCEPTANCES

| 2004 year of entry | Men | Women | Total |
|-----------------------------|------------|--------------|---------------|
| Applications* | 16,692 | 20,386 | 37,078 |
| Acceptances | 1,908 | 2,439 | 4,347 |
| 2005 year of entry | Men | Women | Total |
| Applications* | 18,767 | 22,959 | 41,726 |
| Acceptances | 2,043 | 2,477 | 4,520 |
| 2006 year of entry | Men | Women | Total |
| Applications* | 20,578 | 24,636 | 45,214 |
| Acceptances | 1,842 | 2,319 | 4,161 |
| 2007 year of entry | Men | Women | Total |
| Applications* | 22,174 | 26,609 | 48,783 |
| Acceptances | 1,936 | 2,442 | 4,378 |
| 2008 year of entry** | Men | Women | Total |
| Applications* | 21,193 | 24,462 | 45,655 |
| Acceptances | 2,221 | 2,618 | 4,839 |
| 2009 year of entry** | Men | Women | Total |
| Applications* | 22,523 | 25,299 | 47,822 |
| Acceptances | 2,479 | 2,870 | 5,349 |
| 2010 year of entry** | Men | Women | Total |
| Applications* | 21,601 | 25,657 | 47,258 |
| Acceptances | 1,631 | 2,190 | 3,821 |
| 2011 year of entry** | Men | Women | Total |
| Applications* | 18,549 | 22,189 | 40,738 |
| Acceptances | 1,981 | 2,895 | 4,876 |
| 2012 year of entry** | Men | Women | Total |
| Applications* | 20,371 | 27,188 | 47,559 |
| Acceptances | 2,281 | 3,224 | 5,505 |

Please note:

* 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.



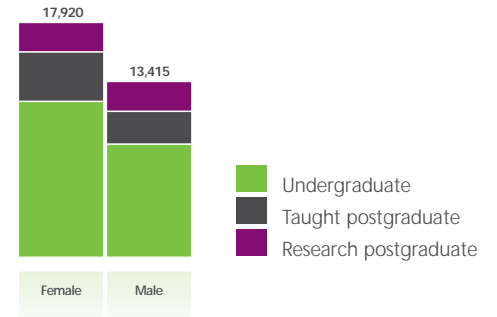
Please note:

Figures for 2011 include Edinburgh College of Art (ECA) acceptances but exclude ECA applications. Figures for 2012 include both ECA applications and acceptances.

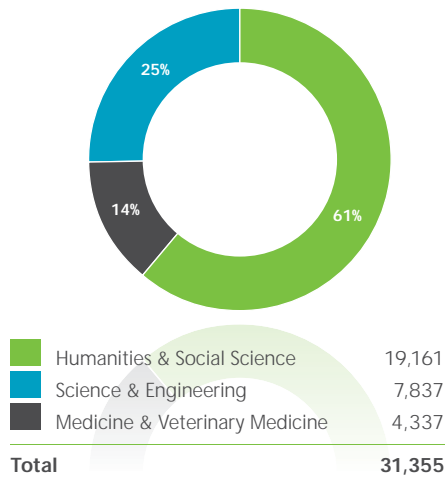
Appendix 2

STUDENT BODY BY LEVEL OF STUDY AND GENDER

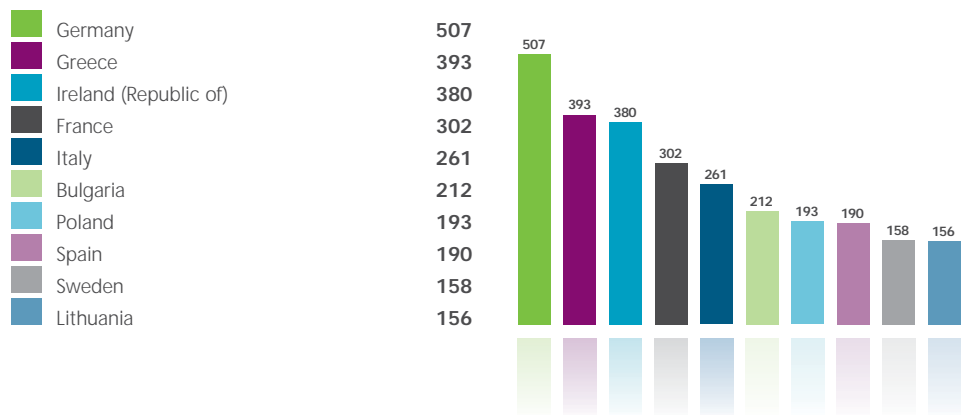
| | Undergraduate | Taught postgraduate | Research postgraduate | Total |
|--------------|---------------|---------------------|-----------------------|---------------|
| Female | 11,893 | 3,773 | 2,254 | 17,920 |
| Male | 8,626 | 2,507 | 2,282 | 13,415 |
| Total | 20,519 | 6,280 | 4,536 | 31,335 |



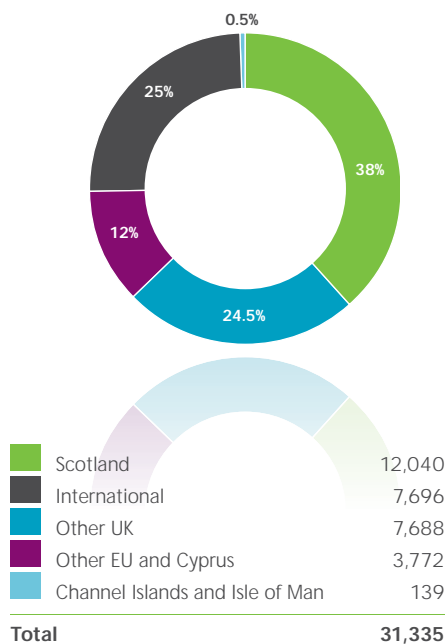
STUDENT BODY BY COLLEGE



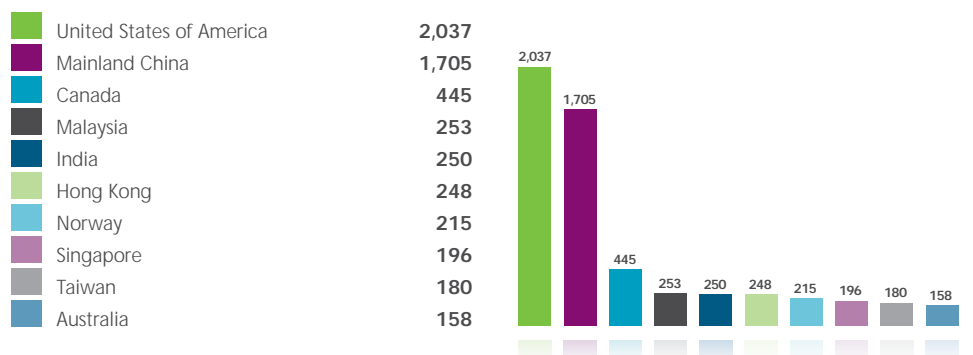
TOP 10 EU DOMICILE ON ENTRY (EXCLUDING UK)



STUDENT BODY BY DOMICILE REGION ON ENTRY



TOP 10 INTERNATIONAL DOMICILE ON ENTRY



Please note:

The figures above represent all students matriculated during the session, with the exception of those exiting or interrupting their studies within five weeks of the first semester start date. Visiting students, part-time and distance learning students, and students on collaborative programmes are included. Domicile on entry is declared by the student when first matriculating onto their programme.

Appendix 3

Benefactions

Giving from 1 August 2011 to 31 July 2012

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

£1,000-£4,999

Mrs Jill Acheson
Mr Geoffrey Adam
Alzheimer Scotland
Analog Devices Ltd
Dr Margaret Angus
Mrs Cynthia Atkinson
Mr J Allan Auchnie
Mr Michael Avery
Mr David Baillie
The Barns-Graham Charitable Trust
Dr Alastair Berry
Dr Stuart Blackie
Miss Dorothy Boardman
Mr Stephen and
Mrs Stephanie Bourne
Senior Vice-Principal
Professor Mary Bownes
Mrs Patricia Britton
Sir Francis Brooke Bt
Mr Richard Brotherston
Mr William Brotherston
Hon H Broughton
Mrs Ann Burleigh
Caem Store Design Ltd
Dr Niall Caldwell
Mr Thomas Campbell
Mr Christopher Carter
Professor John Cassels FRS FRSE
Mr David Cavaye
Mr Alan Chainey
Mrs P Joyce Chapman
Mr Colin Christie
The Church of Scotland
Mr William Clark
Mrs Jean Colquhoun
Ms Kirsty Connell
Dr Alexis Cornish
The Council of American
Overseas Research Centers*
Mr James Courtenay-Evans
Dr Robert Craig
Mrs Elizabeth Croft
Cummins Generator Technologies
Dr Anna Daiches
Mr Stuart Davies
Dialog Semiconductor
Mr Stewart Dick
Dr Rosemary Dolan
Mr Nicholas Donofrio*
The Henry Drucker Memorial Fund

Dziniak Charitable Trust for Animals
Mr Dugald Eadie
Ede and Ravenscroft Ltd
Mr Goetz Eggelhoefer
Mr Christopher Ewan*
F Hoffmann-La Roche AG
Miss Rosalind Fairbairn
Mr Simon Fennell*
Mrs Kathleen Fraser
Dr James French
The Friendship Fund
Ms Gillian Fyfe
Dr Angus Gibson
Mr Colin Gilchrist
Mr Ian Gilchrist
Ms Marlene Gilchrist
Mr Baram Golzari
Google UK Ltd
Mr Morton Gould
Mr Malcolm Gourlay
Dr Joyce Grainger
Mr Murray Grant
Mr Alan Gray
Professor James Gray OBE
and Mrs Catherine Gray
Dr Mary Hall
Dr John Hamilton
Mr Ian Harley
Dr Roy Harris OBE
Dr Erik Hauge
Mrs Caroline Haviland
Mrs Marilyn Hay
Heritage Lottery Fund
Dr Edward Ho
Mr Mark Hope
In Conference Ltd
Italian Institute of Culture
Dr William Jack CB
Mr Andrew Jamieson
Dr Brian Jamieson
Jeremy Gardner Associates
Mr Alan Johnston
Ms Fiona Kerr
Mrs Joan Kidd
Mrs Maria-Christina Kreith
Mr Ramzi S Kurban
The Leverhulme Trade Charities Trust
Dr Qiming Li
Mr Alan P Liebing
Mr John Lloyd
Dr Jim Love*

Mrs Bridget Macaskill*
Dr Alexander MacGregor
Mr Jim MacGregor
Mr WK Maciver CBE and
Mrs Virginia Maciver
Dr John Mackay and
Dr Judith Mackay OBE
The Rt Hon The Lord
Mackay of Clashfern
Mr George Mackintosh
Dr Benjamin Malcolm
Mr James Manclark
Mr Ross Marshall
Dr Pamela Martin
Mr David Massingham
and Ms Bridin O'Connor
Mr Richard Maudslay CBE
and Mrs Rosalind Maudslay
The James Clerk Maxwell Foundation
Professor R Alexander
McCall Smith CBE
Mr Gordon McConnachie
Mr David McCorquodale
Mr Gordon McCulloch
Sir Ian McKellen
Dr Duncan McMartin*
Mr John McNeil
Mr Jeffrey Meek
Mr Paul Meitner
Dr Elaine Melrose
Mr David Millar OBE
Mrs C Miller
Sir Ronald Miller CBE
Misses Barrie Charitable Trust
Mr David Morgan
Ms Caroline Morrison
Mr James and Mrs Grace Morrison
Morrison Construction
Mr Fred Multon
Mr Michael and Dr Anne Munro
Mushroom Trust
Mr Donald Ness
Dr Philip Nye
Lady Fiona Pattullo
Mr Benjamin Pentreath
Rev Ian and Mrs Marion Petrie
Mr Lance Phillips
Professor Gordon D Plotkin
Mr Charles Plouviez
Mr John Porter
Dr Peter Powell

Mr Bruce Rae
Sheriff Rita Rae
Mr Donald Rice
Mrs Maria Robertson
Dr Alex Robertson
Rev Alan and Mrs Roma Roy
Annabelle Rose Foundation
Dr Frank Rushbrook CBE
The late Sir William S Rylie KCB
Schlumberger Cambridge Research
Miss Rachel Scott
Mr Douglas Sharp
Sheila and Denis Cohen
Charitable Trust
R Shelton
Professor Dan Shen
The late Dr John Shepherd
Shire Pharmaceuticals Ltd
The late Dr John Sloss
Mr Gordon and Mrs Gillian Smith
Andrew Smith Memorial Foundation
Dr Isabella Smith
Ms Rhoda Smith
Mr Edward Sparrow
Lady Valerie Stacey QC
Mr Nigel Stein
Dr Uwe Stein
Mrs Margaret Stevenson
Sheriff Alastair Stewart QC
Dr John Stewart
Rev Robin Stewart
Professor Michael Stubbs
Ms Sascha Sudikoff
Mr Louis Susman*
Mr Gavin Tait
Mrs Pamela Tames
The Tay Charitable Trust
Rev Bryan and
Mrs Jennifer Tomlinson
Professor Henryk Ulrich
The Vernet-Trump Charitable Trust
Vittoria Restaurant Ltd
Mr Edward and
Mrs Catherine Walker
Mr Andrew Watters
Mr Ian Wattie
Mr David Willis
Ms Sally Womersley
Wood Mackenzie Ltd
Sir Stephen Young Bt QC
Dr Helen Zealley OBE

£5,000–£9,999

Mr Hugh Andrew
 Ardbarron Trust Ltd
 Mr Mark Astaire
 Sir Michael Atiyah FRS
 and Lady Atiyah
 Atkins Aberdeen Ltd
 Dr Alfred Bader CBE
 and Dr Isobel Bader
 Mr Michael Barron
 Broadcom Networks (Edinburgh) Ltd
 Mr Richard Burns
 Mr John Clare CBE
 Mr Stephen Cowden
 Mr William Coyle
 Dr Neil Cross
 Roald Dahl's Marvellous
 Children's Charity
 Ms Claire Forrest
 Mrs Rosalind Fortune
 Foundation Merieux
 Mr Ian Godden
 Goodman Mann & Broomhall
 Dr Alastair Graham
 Dr Graham Hamilton
 Mr James Hunter
 Dr Anne Ince
 Miss Aileen Ker
 Dr Kester Kong
 Lady Eda Jardine Charitable Trust
 Dr David and Dr Diana Leitch
 Dr Margaret Mackay
 Mr Roger Miller and Ms Tina Marinos
 Pfizer Ltd
 Rev Dr Norma P Robertson*
 ST Microelectronics
 The David Stevenson Trust
 Walter Scott & Partners Ltd
 Watsonian Football Club
 Welsh Family Trust*

£10,000–£49,999

AG Leventis Foundation
 AEB Charitable Trust
 Afton Chemicals
 Mr Robert Anderson
 The Ardgowan Charitable Trust
 BG Group PLC
 Mrs Margaret Bailey
 Mrs Sheila Baillie

The Late Mr Peter Banks
 Mrs Lindsay Barclay and
 the Charitable Chiels
 Barham Benevolent Foundation
 Binks Trust
 Miss Anthea Bond
 Mrs Maude Brownlie
 The Emer Casey Foundation
 Castansa Trust
 Dr Armeane Choksi
 and Mrs Mary Choksi*
 Mr John Crawford
 Mr David Cruickshank
 Dr Bruce Davie
 E.ON New Build & Technology
 Edinburgh University Club of Toronto
 Dr Robin Ewart
 Glenmore Charitable Trust
 Global Health and Security Initiative
 Mr Kenneth Greig
 Dr Anthony Hayward
 Keycom PLC
 Korala Associates Ltd
 Mr Keith Lough
 Mr David Miller and Ms Tina Marinos
 Mr Sean Minehane
 Mr Bruce Minto
 Mr Kenneth Morrison
 Mr Derek and Mrs Maureen Moss
 Miss Gladys Ogilvy-Shepherd
 Professor Sir Timothy O'Shea
 and Lady O'Shea
 Mrs Anne and Mr Matthew Richards
 Mr Robert Robertson
 Royal National Theatre Foundation
 Schlumberger Oilfield UK PLC
 Scottish Journal of Theology
 Mr Emmet Stephenson
 Derek Stewart Charitable Trust
 Mr Christopher Stone
 The Waterloo Foundation
 Mr Steven Thomson
 Mr David and Mrs Terri Warnock

£50,000+

Alwaleed Bin Talal Foundation
 Coca-Cola Foundation*
 The Crerar Hotels Trust
 Deutsche Post DHL

The University of Edinburgh
 USA Development Trust Inc
 Fidelity International
 Mr Robert Funk*
 William Ramsay Henderson Trust
 High Blood Pressure Foundation
 Mr A Donald M MacDonald CBE
 and Mrs Louise MacDonald
 The RS Macdonald Charitable Trust
 The Doreen Maguire Trust
 for Cancer Research
 Marchig Animal Welfare Trust
 Mary Kinross Charitable Trust
 The Muir Maxwell Trust
 Nicola Murray Foundation
 Professor Walter Nimmo
 and Dr Norma Nimmo
 PiggyBankKids
 Row Fogo Charitable Trust
 The Dr Mortimer and Theresa
 Sackler 1988 Foundation
 Santander PLC
 Scottish Power
 The Shirley Foundation
 Total E&P UK Ltd
 Lady Trotman*
 Dr Alfred Wild
 Wolfson Microelectronics
 Worldwide Support
 for Development

Carlisle Circle

Alumni and friends who pledged
 a legacy to the University between
 1 August 2011 and 31 July 2012

Irmawati Agustini
 Dr Sally Birse
 Mrs Moragh C Bradshaw MBE
 Mr Stephen Bramhall
 Dr Ian Bruce
 Mrs Beverley Casebow
 Mr Richard Casebow
 Mr Gordon Clyne
 Mrs Julia Clyne
 Dr David Cross
 Dr Laura Cross
 Mr John Daly
 Mr John Farn

Ms Katharine T Friese-Greene
 Mrs Margaret M Garvie
 Miss Christine Gough
 Mr John Harris
 Mr Anthony P Howatt
 Mr Javed Hussain
 Mr Andrew Hutcheson
 Professor John P Hutton
 Mrs Margaret Ireland
 Dr John Johnston
 Mr John Kettle
 Colonel Julia Kneale MBE
 Mr Tsuneo Kuhara
 Mr Gordon Laing
 Mrs Linda Laing
 Mr Hugh M Langmuir
 Mrs Josseline Langmuir
 Dr Callum Livingstone
 Mr Hugh G Mackay
 Mr Alistair and Mrs Carol Martin
 Mrs Carol Martin
 Rev Dr Lee McDonald
 Ms Janice Newlands
 Miss Alisoun Nisbet
 Mr Giles Orr
 Mr Timothy H Peake
 Ms Mairi Rosko
 Ms Ella L Russell
 Mr Earl Sampson
 Mr Douglas Scott
 Dr Rhoda Scott
 Ms Louise Silverton
 Dr Charles Sim
 Sheriff Ian Simpson
 Dr Anthony Smith
 Mr Peter Smith
 Mr Alexander Stevenson
 Dr Gavin Strang
 Mr John G Sturrock QC
 Dr Colin Tinline
 Mrs Anne W Vallings
 Mr D B B Walters
 Miss Janice Wason
 Mrs Margaret C Webster
 Mr Kenneth M Weighand
 Dr Martin White

Appendix 4

Research grants and other sources of funding

From charities, industry and other institutions

UK – CHARITY

| Sponsor name | Project total £'000 |
|---|---------------------|
| Action Medical Research | 96 |
| Alzheimers Research UK | 45 |
| Alzheimers Society | 522 |
| Anonymous donor | 50 |
| Arthritis Research UK | 630 |
| ASH Scotland | 21 |
| Association for International Cancer Research | 237 |
| Ataxia UK | 66 |
| Bailey Thomas Charitable Fund | 131 |
| British Heart Foundation | 2,601 |
| British Library | 2 |
| British Medical Association | 20 |
| The British Museum | 26 |
| British Schools Exploring Society | 4 |
| British Skin Foundation | 81 |
| British Society for Cell Biology | 2 |
| Ms Fyffe Georgina Campbell | 44 |
| Cancer Research UK | 2,332 |
| Carnegie Trust for the Universities of Scotland | 107 |
| Cavalier King Charles Spaniel Rescue and Welfare | 5 |
| Chest, Heart and Stroke Scotland | 52 |
| CICRA – Crohns in Childhood Research Association | 62 |
| Coeliac UK | 17 |
| Colt Foundation | 207 |
| Gordon Cook Foundation | 28 |
| Creative Scotland | 14 |
| Crohn's and Colitis UK | 82 |
| Cunningham Trust | 169 |
| Cystic Fibrosis Trust | 449 |
| Daphne Jackson Trust | 51 |
| Dowager Countess Eleanor Peel Trust | 7 |
| Dunhill Medical Trust | 438 |
| Edinburgh and Lothian Health Foundation | 214 |
| Edinburgh, Lothians, Fife and Borders Regional Articulation Hub | 15 |
| Equality and Human Rights Commission (Scotland) | 5 |
| Esmee Fairbairn Charitable Trust | 60 |
| Henry Ford Health System | 51 |
| The Gloag Foundation | 33 |
| The June Hancock Mesothelioma Research Fund | 75 |
| Historic Scotland | 8 |
| Humanitarian Innovation Fund | 17 |
| The Independent Social Research Foundation | 39 |
| Institution of Engineering and Technology | 4 |

| | |
|--|---------------|
| International Institute for Environment and Development | 65 |
| Japan Foundation Endowment Committee | 5 |
| Kennel Club Charitable Trust | 20 |
| Kidney Research UK | 287 |
| Lady Tata Memorial Trust | 60 |
| Leukaemia and Lymphoma Research | 543 |
| Leverhulme Trust | 1,486 |
| Lister Institute of Preventive Medicine | 363 |
| Marie Curie Cancer Care | 64 |
| Medical Research Scotland (SHERT) | 910 |
| Melville Trust | 129 |
| Mental Health Research UK | 74 |
| Motor Neurone Disease Association | 34 |
| Multiple Sclerosis Society | 136 |
| Muscular Dystrophy Campaign | 50 |
| National Association for the Relief of Pagets Disease | 36 |
| National Deaf Children's Society | 20 |
| National Society for the Prevention of Cruelty to Children | 1,099 |
| Newlife Foundation for Disabled Children | 135 |
| Nuffield Foundation | 7 |
| The Pancreatic Society of Great Britain and Ireland | 10 |
| Parkinson's UK | 53 |
| Pasold Research Fund | 1 |
| Pathological Society | 1 |
| Paths for All | 2 |
| Pet Plan Charitable Trust | 60 |
| Pilgrim Trust | 5 |
| Postcolonial Studies Association | 1 |
| Committee on Publication Ethics | 5 |
| Scottish Infection Research Network | 15 |
| Stroke Association | 188 |
| Systematics Association | 27 |
| Tenovus – Scotland | 20 |
| Tommy's Campaign | 400 |
| UK Biobank | 168 |
| The Urology Foundation | 50 |
| Wellcome Trust | 16,610 |
| | 32,258 |

EU – INDUSTRY

| Sponsor name | Project total £'000 |
|--|---------------------|
| APEPTICO – Innovation in peptide drugs | 17 |
| AXA | 100 |
| EADS Deutschland | 18 |
| Electricite de France | 25 |
| Galapagos SASU | 500 |
| Michelin | 195 |
| Oceantec Energias Marinas | 13 |
| STMicroelectronics | 6 |
| | 874 |

EU – OTHER

| Sponsor name | Project total £'000 |
|--|---------------------|
| European Centre for Disease Prevention and Control | 64 |
| European Science Foundation | 190 |
| The European Society for Clinical Nutrition and Metabolism | 19 |
| Human Frontier Science Program Organization | 176 |
| | 449 |

LEARNED SOCIETIES

| Sponsor name | Project total £'000 |
|-------------------------------------|---------------------|
| Academy of Medical Sciences | 27 |
| Anatomical Society | 126 |
| The Biochemical Society | 2 |
| British Academy | 1,131 |
| The Genetics Society | 2 |
| The Physiological Society | 1 |
| Royal Academy of Engineering | 823 |
| Royal College of Surgeons Edinburgh | 82 |
| The Royal Microscopical Society | 3 |
| Royal Society | 1,471 |
| Royal Society of Edinburgh | 348 |
| Society for Endocrinology | 47 |
| Society for General Microbiology | 4 |
| Society of Biology | 1 |
| | 4,068 |

UK – INDUSTRY

| Sponsor name | Project total £'000 |
|--|---------------------|
| Agilent | 18 |
| Alltech Ireland | 12 |
| Altrika | 52 |
| Antoxis | 5 |
| Argans | 12 |
| ARM | 30 |
| Aviagen | 46 |
| AWE | 242 |
| Black and Veatch | 36 |
| BPEX | 6 |
| Building Research Establishment | 97 |
| Cambridge Crystallographic Data Centre | 36 |
| CereProc | 114 |
| Conoco Phillips (UK) | 190 |
| Converteam | 25 |
| Costain Oil Gas & Process | 194 |
| Deliverics | 6 |
| Doosan Babcock Energy | 10 |
| Doosan Power Systems | 15 |
| EDTC Technology Gateway | 5 |
| Eli Lilly and Company | 30 |

| | |
|--|--------------|
| Evotec (UK) | 27 |
| FM Global | 37 |
| France Telecom R&D UK | 30 |
| Galliford Try Infrastructure | 44 |
| Genus | 32 |
| GlaxoSmithKline | 1,332 |
| Green Estate | 12 |
| Howden Group | 38 |
| IEA Greenhouse Gas R&D Programme | 50 |
| International Paint | 35 |
| Intervet UK | 176 |
| ITI Life Sciences | 114 |
| JP Kenny Caledonia | 25 |
| Lamellar Biomedical | 12 |
| Lloyds Register Group Services | 42 |
| M Squared Lasers | 23 |
| Macphie of Glenbervie | 24 |
| Maersk Oil North Sea UK | 61 |
| Mars Chocolate | 30 |
| The Mentholatum Company | 117 |
| Microsoft Research | 139 |
| Motor Design | 6 |
| Napp Pharmaceuticals | 35 |
| National Nuclear Laboratories | 22 |
| Nexen Petroleum UK | 61 |
| NGenTec | 38 |
| Novartis Pharma | 24 |
| Novartis Pharmaceuticals UK | 36 |
| Novauris Technologies | 23 |
| Ove Arup | 200 |
| Pfizer | 127 |
| PricewaterhouseCoopers Services | 64 |
| Randox Laboratories | 32 |
| Roche | 105 |
| Samsung | 41 |
| Schlumberger Cambridge Research | 190 |
| Scottish National Blood Transfusion Service | 15 |
| Selex Galileo | 23 |
| SESMOS | 573 |
| Space ConneXions | 38 |
| Spire Murrayfield Hospital | 661 |
| Statoil Petroleum AS | 190 |
| Syngenta | 28 |
| Toshiba Medical Visualisation Systems Europe | 6 |
| Total E&P UK | 190 |
| TPP Global Development | 16 |
| UNISON | 10 |
| Vitacress Salad UK | 18 |
| Vitol Services | 75 |
| Winton Capital Management | 10 |
| | 6,438 |

OVERSEAS – CHARITIES

| Sponsor name | Project total £'000 |
|--|---------------------|
| Brigham & Women's Hospital | 29 |
| Bill and Melinda Gates Foundation | 237 |
| Graham Foundation | 2 |
| Guggenheim Foundation | 25 |
| The Japanese Society of Pathology | 3 |
| Massachusetts General Hospital | 29 |
| National Geographic Society | 11 |
| Rett Syndrome Research Trust | 550 |
| Saving Newborn Lives/Save the Children USA | 12 |
| Stiftung Auxilium Zug | 27 |
| UNICEF | 72 |
| World Health Organization | 12 |
| WWTF – Vienna Science and Technology Fund | 59 |
| | 1,068 |

OVERSEAS – GOVERNMENT

| Sponsor name | Project total £'000 |
|--|---------------------|
| Air Force Office of Scientific Research | 9 |
| Korea Institute of Industrial Technology | |
| Evaluation and Planning | 184 |
| National Institutes of Health | 656 |
| National Oceanic & Atmospheric | |
| Administration | 78 |
| National Science Foundation | 342 |
| Office of Naval Research | 59 |
| Royal Embassy of Saudi Arabia | 32 |
| US Army Research Laboratory | 106 |
| | 1,466 |

OVERSEAS – INDUSTRY

| Sponsor name | Project total £'000 |
|--------------------------|---------------------|
| Abbott Laboratories | 184 |
| Anglo Technical Services | 53 |
| Bioniche Animal Health | 74 |
| BP Automation | 3 |
| Cobb-Vantress | 16 |
| Cytec Industries | 34 |
| DSM Nutritional Products | 7 |
| Hewlett-Packard Company | 42 |
| Novartis Animals Health | 80 |
| Pultrall | 3 |
| Rockwool International | 62 |
| Toyota | 54 |
| Unhwa Biotech | 140 |
| | 752 |

OVERSEAS – OTHER

| Sponsor name | Project total £'000 |
|--|---------------------|
| African Centre for Technology Studies (ACTS) | 107 |
| Aventist Wockhardt Heart Hospital | 4 |
| Cold Spring Harbor Laboratory | 36 |
| CSIRO Australia | 117 |
| Genome Canada | 76 |
| International Ocean Drilling Program | 91 |
| Japan Science and Technology Agency | 200 |
| SRI International | 115 |
| | 746 |

OVERSEAS – UNIVERSITIES ETC

| Sponsor name | Project total £'000 |
|--|---------------------|
| Erasmus University Rotterdam | 35 |
| European University Institute | 26 |
| Stockholm University | 21 |
| The University Centre in Svalbard | 28 |
| The University of Texas Health Science | |
| Center at Houston | 36 |
| Tufts University | 22 |
| Universität Bielefeld | 21 |
| University of Copenhagen | 15 |
| University of Florida | 16 |
| University of Maryland | 28 |
| University of Pennsylvania | 131 |
| University of Southern California | 5 |
| University of Toronto | 47 |
| Wageningen University | 260 |
| | 691 |

Total from charities, industry and other institutions £'000 **48,810**

Appendix 4

Research grants and other sources of funding (continued)

From research councils and other government agencies

UK – RESEARCH COUNCIL

| Sponsor name | Project total £'000 |
|--|---------------------|
| Arts and Humanities Research Council | 3,813 |
| Biotechnology and Biological Sciences Research Council | 12,499 |
| Centre for Ecology and Hydrology | 229 |
| Economic and Social Research Council | 871 |
| Engineering and Physical Sciences Research Council | 54,268 |
| Medical Research Council | 36,140 |
| National Centre for the Replacement, Refinement and Reduction of Animals in Research | 1,218 |
| Natural Environment Research Council | 9,167 |
| Science and Technology Facilities Council | 15,711 |
| | 133,916 |

EU – GOVERNMENT

| Sponsor name | Project total £'000 |
|------------------------------------|---------------------|
| European Commission | 30,972 |
| European Regional Development Fund | 741 |
| Finnish Meteorological Institute | 13 |
| | 31,726 |

UK – GOVERNMENT

| Sponsor name | Project total £'000 |
|---|---------------------|
| British Council | 29 |
| British Council – Turkey | 17 |
| British Geological Survey | 60 |
| Chief Scientist Office – Scotland | 4,375 |
| Defence Science and Technology Laboratory | 22 |
| Department of Energy and Climate Change | 180 |
| Department of Health | 1,189 |
| EBLEX – the organisation for beef and lamb levy payers in England | 16 |
| The City of Edinburgh Council | 38 |
| Education Scotland | 6 |
| Forestry Commission | 32 |
| Information Commissioner's Office | 46 |

| | |
|---|---------------|
| Institute of Medical Science and Technology | 68 |
| Joint Information Systems Committee | 397 |
| Knowledge Transfer Network Biosciences | 20 |
| Knowledge Transfer Partnership | 30 |
| Met Office | 8 |
| Scottish Enterprise | 56 |
| Scottish Funding Council | 2,101 |
| Scottish Government | 5,065 |
| Scottish Natural Heritage | 49 |
| Scottish Water | 24 |
| Technology Strategy Board | 697 |
| UK-India Education and Research Initiative | 93 |
| UK Onshore Geophysical Library | 32 |
| Welsh Assembly Government | 49 |
| | 14,699 |

UK – HEALTH AUTHORITIES

| Sponsor name | Project total £'000 |
|--|---------------------|
| The Beatson West of Scotland Cancer Centre | 75 |
| Cambridge University Hospitals NHS Foundation Trust | 107 |
| Freeman Hospital | 310 |
| Greater Manchester West Mental Health NHS Foundation Trust | 422 |
| Leeds Teaching Hospital | 9 |
| National Institute for Health Research | 4,897 |
| NHS Lothian | 25 |
| NHS Scotland | 101 |
| Royal Brompton and Harefield NHS Foundation Trust | 6 |
| Southampton Hospital | 7 |
| | 5,959 |

UK – UNIVERSITIES ETC

| Sponsor name | Project total £'000 |
|-------------------------------------|---------------------|
| Aston University | 22 |
| Bord Na Gaidhlig | 3 |
| Cardiff University | 147 |
| De Montford University | 15 |
| Edinburgh Beltane | 3 |
| Edinburgh Napier University | 8 |
| Energy Technology Partnership (ETP) | 125 |
| Heriot-Watt University | 475 |
| Higher Education Academy | 55 |
| Imperial College London | 2,819 |

| | |
|--|---------------|
| Keele University | 10 |
| King's College London | 12 |
| London School of Hygiene and Tropical Medicine | 56 |
| Nottingham Trent University | 83 |
| Queen Margaret University | 24 |
| Queen Mary University of London | 11 |
| Queen's University of Belfast | 16 |
| Scottish Agricultural College | 28 |
| Scottish Universities Life Science Alliance | 114 |
| Scottish Universities Physics Alliance | 74 |
| SINAPSE | 27 |
| Soillse | 10 |
| Sporting Chance Initiative | 5 |
| Swansea University | 22 |
| UCL Institute of Neurology | 3 |
| University of Aberdeen | 26 |
| University of Abertay | 286 |
| University of Bath | 614 |
| University of Birmingham | 851 |
| University of Cambridge | 312 |
| University of Central Lancashire | 17 |
| University of Dundee | 2,099 |
| University of East Anglia | 5 |
| University of Glasgow | 443 |
| University of Leeds | 50 |
| University of Leicester | 37 |
| University of Liverpool | 72 |
| University of Manchester | 483 |
| University of Newcastle | 59 |
| University of Northumbria | 4 |
| University of Nottingham | 8 |
| University of Oxford | 1,204 |
| University of Reading | 690 |
| University of Salford | 96 |
| University of Sheffield | 328 |
| University of Southampton | 2,036 |
| University of St Andrews | 963 |
| University of Stirling | 231 |
| University of Strathclyde | 304 |
| University of Surrey | 2 |
| University of Warwick | 16 |
| | 15,403 |

Total from research councils and other government agencies £'000 201,703

Grand total £'000 250,513

Please 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.



Students enjoying the city's green space on Calton Hill, with Old College dome and McEwan Hall in the background.



Influencing
the world
since 1583

This publication is available online
at www.ed.ac.uk/annual-review.
It can also be made available in
alternative formats on request.

The University of Edinburgh

Communications and Marketing
C Floor, Forrest Hill Building,
5 Forrest Hill, Edinburgh EH1 2QL
T: +44 (0)131 650 2252
F: +44 (0)131 650 2253
E: communications.office@ed.ac.uk

www.ed.ac.uk

Published by:
Communications and Marketing,
The University of Edinburgh

Designed by:
Emperor Design, www.emperordesign.co.uk

Printed by:
J Thomson Colour Printers

Photography by:
Angus Blackburn, AB Images, Scotland
CERN/Claudia Marcelloni
Chris Close
Paul Dodds
Gareth Easton
Edinburgh Inspiring Capital
iStockphoto
Hugh Pastoll
Katie Reeves
Douglas Robertson
Neale Smith
Peter Tuffy

All photos and images used in this publication
are protected by copyright and may not be
reproduced without permission. No part of
this publication may be reproduced without
the written permission of the University
of Edinburgh.

© The University of Edinburgh 2012

Thank you to all staff and students who helped
in the production of this publication.

The University of Edinburgh is a charitable body registered
in Scotland, with registration number SC005336.