



UCL

Review 2012



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This was the first year of the new tuition fees regime: a new era has now opened in the funding of teaching in universities. Yet



Professor Andrew Coates (UCL Mullard Space Science Laboratory) co-authored a study that found that Dione, one of the moons of Saturn, is covered in ice.

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The UK's first robotic surgery training centre opened at University College Hospital in March. The Chitra Sethia Centre for Robotics & Minimal Access Surgery will offer pioneering specialist training to healthcare professionals from all around the world. It will use robotic

In 2012, as well as driving ambitious agendas through its four faculties, the UCL School of Life & Medical Sciences (SLMS) has benefited enormously from the promotion of interdisciplinary working across and beyond the school. Through our Research Domains, we have established a model of partnership working that serves our aim of being an intellectual hub for collaborative scientific activity.

The success of such cross-faculty research and our commitment to developing ambitious educational strategies has inspired the formation of our Education Domain. This exciting new initiative aims to foster



UCL launched the Newlife Birth Defects Research Centre (BDRC) in October, which will research different ways to tackle birth defects. The centrepiece of the BDRC, based at the UCL Institute of Child Health, is a newly built £6.5 million laboratory and office space dedicated to researching the causes of birth defects, advancing their diagnosis and treatment and preventing such conditions in the future. The BDRC build was funded through donations to Great Ormond Street Hospital Children's Charity, as part of their 'Bringing Research to Life' campaign.

UCL scientists have discovered a rare genetic mutation that increases the risk of Alzheimer's disease. An international team, led by researchers at the UCL Institute of Neurology, studied data from more than 25,000 people and found a link between a rare variant of the TREM2 gene – which is known to play a role in the immune system – and a higher risk of the disease. The paper, which was published in November, has major implications for understanding the causes of Alzheimer's and is potentially the most influential gene discovery for the disease in 20 years.

Collaborative research led by scientists at UCL and the Wellcome Trust Sanger Institute could help to explain why influenza becomes a life-threatening disease for some people, and yet has only a mild effect on others. The study found that people who carry a particular variant of the IFITM3 gene are significantly more likely to be hospitalised when they fall ill with influenza than those who carry other variants. The findings should help people to make more informed precautions, including whether to have vaccinations. ☑

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Research by UCL students has found that a new type of prostate cancer treatment, which uses sound waves to target individual cancer sites selectively, could provide an alternative to traditional treatment with significantly fewer side effects. The study, led by Dr Hashim Ahmed, showed that 12 months after treatment, none of the 41 men in the trial had suffered from the common side-effects of conventional treatment and 95% were cancer-free after a year. The research was funded by the Medical Research Council, the Pelican Cancer Foundation and St Peter's Trust.

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A research team from several institutions, including UCL, used a new measuring technique to demonstrate how Huntington's disease develops. Scientists led by Professor Sarah Tabrizi (UCL Institute of Neurology) demonstrated that the toxic protein that causes the disease builds up gradually in blood cells. This is the first time

This year, UCL outlined how we aim to build on the already impressive global reach that we have achieved over the past five years in the new UCL International Strategy 2012–2017. This strategy sets out a bold international agenda and proposes the next steps to be taken to strengthen and enhance UCL’s position as a leading global university.

One of the cornerstones of the strategy is to extend our network of international partnerships and collaborations in education, research, business and healthcare, and with the global development sector, governments, charities and philanthropists. This will be achieved by several means, such as extending and deepening relationships with overseas research organisations; developing proposals for China, India and Arab World centres at UCL; and supporting staff to volunteer on international development projects.

Recruiting international staff and students of the highest calibre will also be key to our success and the strategy recommends measures to achieve this, including engaging with the UK government on the development of immigration policy and enhancing support for the induction of



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A In November, UCL Union (UCLU) launched a service offering writing and language support (WALS) to students whose native language is not English. Using peer tutors, WALS aims to assist international students with their academic writing and speaking. The scheme was devised following an NUS audit, which examined the support for international students within the union and the university itself. Diana Hawk, UCLU's Representations and Campaigns Coordinator (Postgraduate & International), explained: "While the Language Centre offers great paid-for courses, there was nowhere for students to go for less formal support. Following discussions ... we decided to set this up as a pilot scheme."

A Every year, the UCL Transition programme hosts an awards ceremony to recognise and celebrate the hard work and commitment of its Transition Mentors. This year's prizewinners, all of whom have made an outstanding contribution to the programme, were Katherine Baulcomb and Frances Perry (UCL Geography), Olivia Borszynska (UCL Planning), Cat Newsham (UCL German), and Raphaella Gabrasadig (UCL Classics).

Katherine Baulcomb (UCL Geography) and Frances Perry (UCL Geography) contributed to the programme. Olivia Borszynska (UCL Planning) and Cat Newsham (UCL German) also contributed. Raphaella Gabrasadig (UCL Classics) was another prizewinner. The ceremony was held on 11 October 2012 at the UCL Union building. The awards were presented by the UCL Union's President, Neill, and the UCL Union's Vice-President, Baup. The prizewinners were: Katherine Baulcomb (UCL Geography), Frances Perry (UCL Geography), Olivia Borszynska (UCL Planning), Cat Newsham (UCL German), and Raphaella Gabrasadig (UCL Classics). The ceremony was held on 11 October 2012 at the UCL Union building. The awards were presented by the UCL Union's President, Neill, and the UCL Union's Vice-President, Baup. The prizewinners were: Katherine Baulcomb (UCL Geography), Frances Perry (UCL Geography), Olivia Borszynska (UCL Planning), Cat Newsham (UCL German), and Raphaella Gabrasadig (UCL Classics).

Awards for UCL

UCL researchers and graduate students explained how they would tackle some of the world's biggest issues at an event held in October. Audience members at 'Focus on the Positive', organised by UCL's Public Engagement Unit, picked their favourite idea and the winner was given £2,000 to make it come to life. The winner was Dr Kate Ricketts (UCL Medical Physics & Bioengineering). She will work to apply the UK's resources and expertise to help fight cancer deaths in the developing world, which the World Health Organisation predicts will exceed those of HIV/AIDS, tuberculosis and malaria combined by 2017.

Awards for UCL

A £450,000 gift from the Reuben Foundation will help support 15 UCL undergraduate students from underprivileged backgrounds. Each student will receive £10,000 a year throughout the three years of their studies, which will cover their accommodation and living costs. Five students a year, for the next three years, will be selected by UCL on the basis of their financial circumstances.

Awards for UCL

In January 2012, UCL led a successful multi-institutional bid for £5.4 million to fund new PhD studentships. The Minister for Universities & Science, David Willetts, announced the funding as part of a UK-wide investment of £67 million in postgraduate training and development in the biosciences. The award is for 18 four-year studentships a year, for the next three years. An integral element of the programme is the requirement for students to undertake a three-month professional internship outside of the lab, to widen their experience of the areas of work in which they can apply their PhD skills and training. Destinations for these internships will include policy-making

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Enterprise

This year has seen the implementation of UCL's enterprise strategy continue apace, with a number of notable successes that provide more evidence than ever that enterprise touches every aspect of our mission. It is also clear that there is an appetite within the UCL community to engage in a broader range of enterprising activities to enhance research and education and to broaden the impact of our work.

During 2012, the public profile of enterprise at UCL has increased significantly, with press coverage across the national media and beyond. It was fitting that a UCL spin-out company – Space Syntax – hosted the announcement by the Secretary of State for Business, Innovation & Skills, Vince Cable, of Impact Acceleration Accounts, designed to ensure the faster passage of technology and research outcomes from the lab to the marketplace.

This year has also seen the eyes of the world rest upon east London. Aside from the Olympic

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In January, UCL, Imperial College London and Intel agreed to establish an Institute for Sustainable Connected Cities.

The institute aims to explore new technologies and how they can be used to enhance the sustainability of cities and their inhabitants' quality of life.

The three parties signed an agreement at 10 Downing Street to confirm the joint venture formally. Speaking afterwards, David Willetts, Minister of State for Universities & Science, commented:

"It brings together leaders from the academic and business worlds and, using London as a test bed, will provide exciting new commercial opportunities to find technological solutions to everyday problems."

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UCL won a contract in May to help internationalise the internet. UCL Arts & Humanities and UCL Consultants Ltd are now providing expertise to help internet users create full web addresses using non-Latin script names. ICANN – the Internet Corporation for Assigned Names and Numbers, which coordinates the internet's addressing system – initiated the change, which aims to open up the internet. New addresses will be available in a number of languages, including Arabic, Chinese, Hindi, Japanese and Russian. The project leader is Chris Dillon, Research Associate in Linguistic Computing in the Faculty of Arts & Humanities, whose rare combination of linguistic and computer skills allowed UCL to beat competition from a number of high-profile organisations.

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In December, Prime Minister David

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Institute of Archaeology turns 75

In January, the UCL Institute of Archaeology began its 75th birthday celebrations. The anniversary was marked by a visit from the Princess Royal and a series of lectures including the institute's 75th Anniversary Lecture, given by Professor Daniel Lord Smail (Harvard University) entitled 'History and the *Pre*: Perspectives on the Structure of Deep Historical Arguments'. Throughout the year the institute also hosted *Question Time*-style debates regarding the role of archaeology in the modern world, and a series of exhibitions about the institute's history.

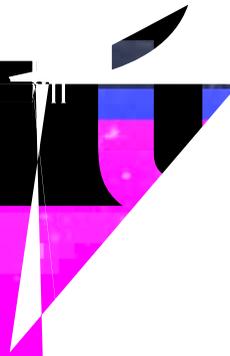
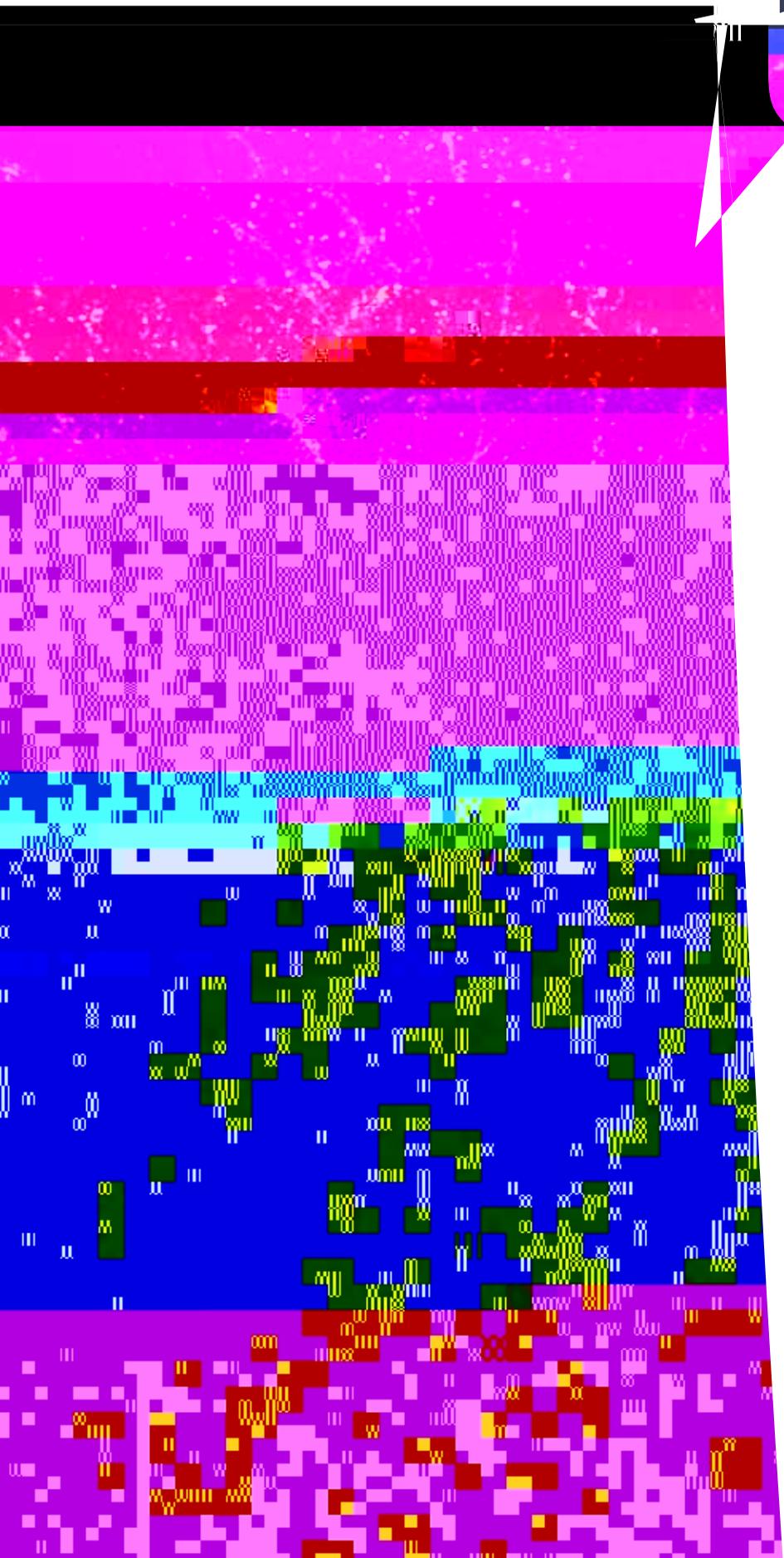
Dickens's London

2012 marked 200 years since the birth of Charles Dickens. A panel debate in March by the UCL Institute for the

Charles Dickens UCL Institute for the

10 years of student volunteering

To celebrate the 10th anniversary of the Volunteering Services Unit at UCL, the South Cloisters hosted an exhibition of photographs showing some of the vast number of volunteering projects that UCL students have been involved with over the past decade. In 2002, UCL and UCL Union set up the Volunteering Services Unit (VSU) to connect students with community projects across London. Since then, the VSU has grown to be one of the biggest departments of its kind in the UK and has helped more than 6,000 UCL students get involved with volunteering.



UCL has outstanding intellectual and cultural



Thousands of UCL students, staff, local residents and visitors came together this summer to enjoy the London 2012 Olympics, thanks to a

In February, international law firm Freshfields Bruckhaus Deringer entered into a partnership with the UCL Faculty of Laws to provide two scholarships per year for law students from less socially and economically privileged backgrounds. As well as providing financial support, the scheme will see Freshfields offer chosen candidates eight weeks' paid work experience per academic year and the guarantee of a training contract interview. Successful students will benefit from a grant covering the full cost of law school.

The UCL Bartlett Faculty of the Built Environment announced a £100,000 fund to encourage postgraduate applicants from a broader social background. The funding was initially available as 20 £5,000 studentships for those who

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In October, UCL hosted a three-day celebration of all things green in the quad and south cloisters. Each day of Green Week UCL had a different theme, with stands and activities to reflect this.

'Food Day' demonstrated how to make a difference with the food you eat,

'Materials Day' explored how items can be reused, and 'Transport Day' taught

people about different ways of travelling to UCL. Highlights of the event included

free cycle maintenance and a live demonstration of how to make

veggie burgers.

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An exhibition in April at the UCL Grant Museum of ...

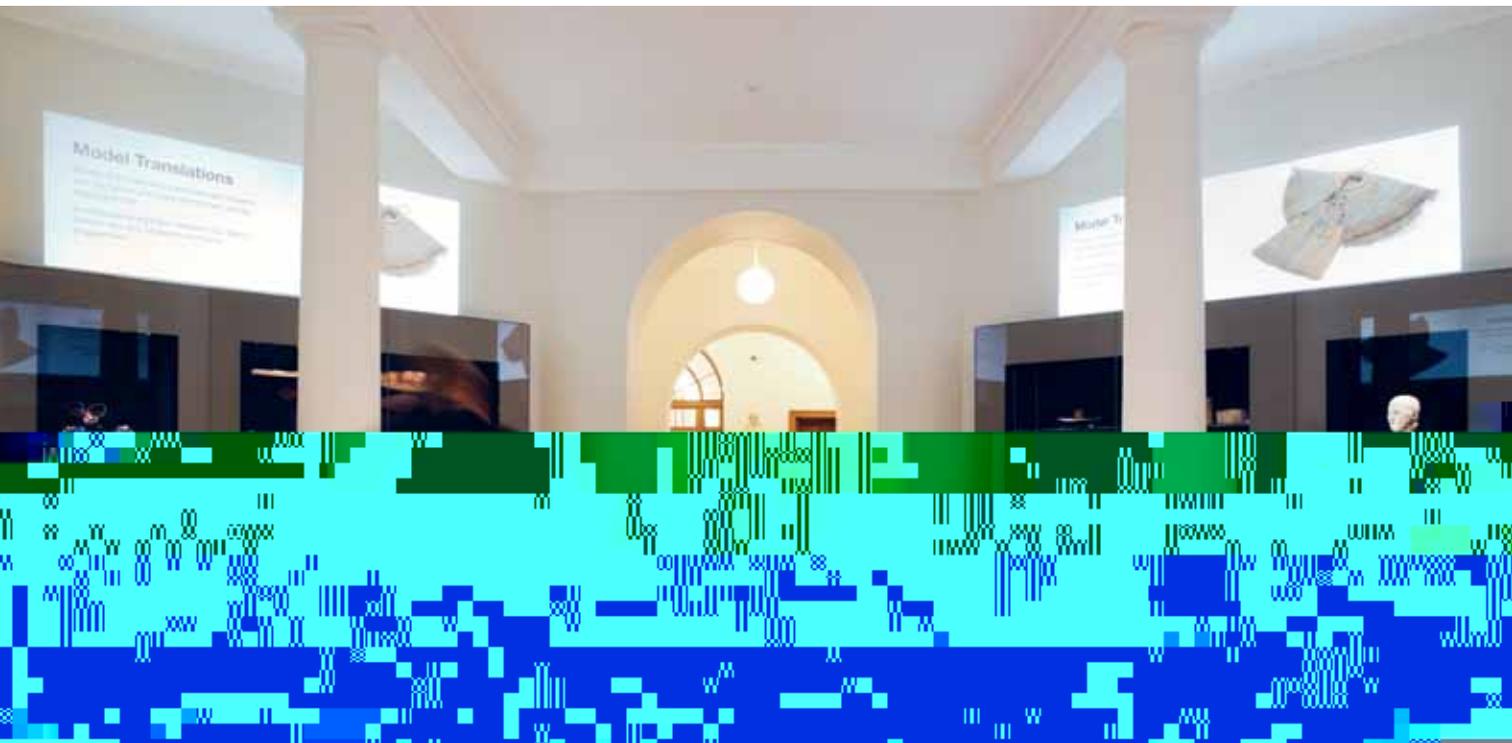
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During 2011/12, we undertook an extensive consultation of staff working in professional service roles at UCL, culminating in two presentations addressed by the Provost and attended by approximately 500 staff. As a result of this exercise, we have adopted a vision for professional services at UCL:

- Enabling excellence for London's global university
- We will transform the staff and student experience by delivering excellent, efficient and integrated professional services
- We will use our expertise to bring creative solutions to meet UCL's ambition.

While there is always room for improvement and innovation, I believe that we are already substantially working towards this vision, and I am grateful for the hard work, commitment and enthusiasm for UCL shown by colleagues across the institution. There is only space to give a few examples here.

Developments in the estate have been a major focus in the year, with planning for the new student centre moving forward, together with the establishment of Hubs, the first to be in the Cruciform, which will enhance the spaces for private and group study for students at UCL.

Planning for our new university quarter in Stratford, which will secure UCL's space requirements for the next generation and offer exciting opportunities to contribute to the development of



Newham, is well underway. Meanwhile, our excellent team in Development & Alumni Relations osq Relations theRelat



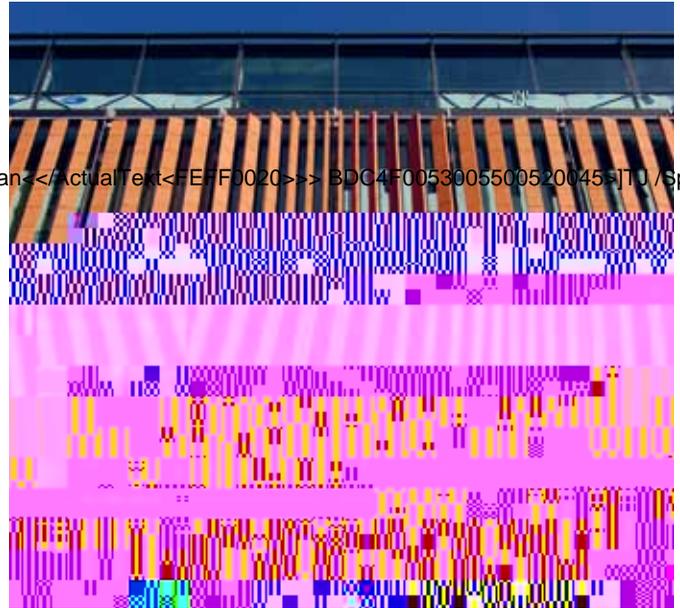
UCL Vice-Provost (Operations)

In 2012, UCL successfully completed the first stages of its Bloomsbury Masterplan. Launched in 2011, the masterplan is working towards the 10-year transformation of the university's core estate. Among this year's developments were the refurbishment of the Flaxman Gallery, the newly fitted Octagon Gallery, a new home for the Information Services Division at 1 Eversholt Street, and the opening of the UCL Institute of the Americas at 50-51 Gordon Square.

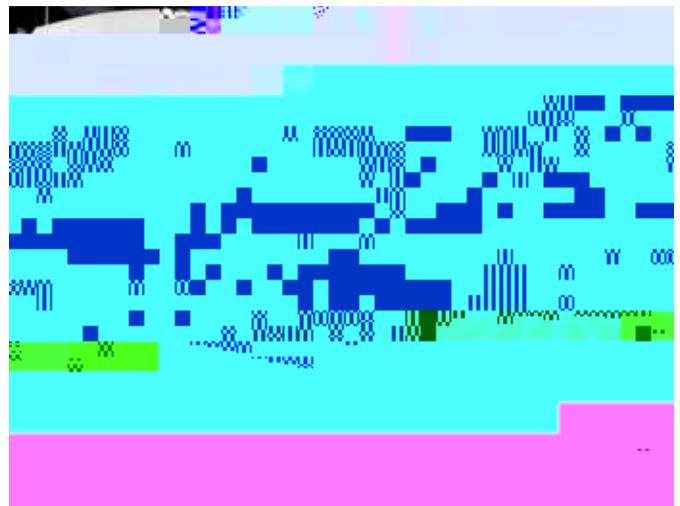
UCL's Organisation and Staff Development launched a new professional development programme this year. Based on a major review of staff requirements, the new programme assists development in areas including leadership, finance, project management, resilience, communication skills and personal effectiveness. There are also a number of popular researcher-specific courses in targeted courses including effectiveness. programme. There programme a courses also

Operations

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In May, and two years ahead of schedule, UCL announced the closure of the fundraising campaign it launched in 2004, ha ahead 410053Span<</4041004900530049004E0047>Tj /Span<</ActualText<=FF0020> BDC4F0053005500520045>Tj /Span<</



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CONSOLIDATED INCOME & EXPENDITURE ACCOUNT	2012 £m	2011 £m
Funding Council grants	198.3	203.3
Academic fees and support grants	208.5	172.2
Research grants and contracts	300.7	283.4
Other operating income	156.8	138.3
Endowment income and interest receivable	6.9	5.2
Total income	871.2	802.4
Share of income from joint ventures	(2.5)	(0.8)
NET INCOME	868.7	801.6
TOTAL EXPENDITURE	843.4	777.4
Share of operating loss in joint ventures and associates	(1.5)	(0.6)
Gain on acquisition	4.8	–
(Loss)/profit on disposal of tangible fixed assets	(1.0)	5.8
Loss on disposal of fixed asset investments	(0.3)	–
Minority interest	(0.1)	–
Transfer to accumulated income within specific endowments	(0.9)	(0.5)
SURPLUS FOR THE YEAR	26.4	28.9
CONSOLIDATED BALANCE SHEET		
Fixed assets	686.5	660.7
Endowment asset investments	72.4	72.7
Net current assets	67.5	55.3
Total assets less current liabilities	826.4	788.7
Non-current liabilities and provisions	(75.4)	(77.3)
Provision for liabilities and charges	(0.6)	–
Net pension liability	–	(4.7)
TOTAL NET ASSETS	750.4	706.7
Represented by:		
Deferred grants	394.5	374.1
Endowments	72.4	72.7
Reserves	283.5	260.1
Minority interest	–	(0.2)

To read the 2011/2012 Financial Report in full, go to:
www.ucl.ac.uk/finance/finance_docs/report_accts

Royal Astronomical Society

Honorary Fellowships

American College of Surgeons

Professor Lewis Spitz
(UCL Institute of Child Health)

British Science Association

Professor Andrea Sella
(UCL Chemistry)

Institute of Physics

Professor Sir Michael Pepper
(London Centre for
Nanotechnology)

Honorary Doctorates

University of Gothenburg

Professor Stephen Porter
(UCL Eastman Dental Institute)

Wellcome Trust

Professor Ray Dolan
(Wellcome Trust Centre
for Neuroimaging at UCL)

Professor Annette Dolphin
(UCL Pharmacology)

Professor Gabriel Waksman
(UCL Structural & Molecular
Biology/Birkbeck College)

Professor Elizabeth Fisher
(UCL Institute of Neurology)

Dr Karen Page (UCL Mathematics)

UCL Honorary Degrees

Baron Peter Piot
Honorary Doctorate of Science
(DSc (Med))
Director and Professor of Global
Health, London School of Hygiene
& Tropical Medicine

Sir Cyril Chantler
Honorary Doctorate of Science
(DSc (Med))
Chair, UCL Partners

Professor Donald Dingwell
Honorary Doctorate of Science
(DSc)
Secretary-General, European
Research Council

Professor Dame Julia Higgins
Honorary Doctorate of Science
(DSc)
Research Investigator (Emeritus
Professor) of Polymer Science,
Imperial College London

The Rt Hon Lady Justice Hallett
Honorary Doctorate of Law (LLD)
Judge, Royal Court of Appeal

Alan Hollinghurst
Honorary Doctorate of Literature
(DLit)
Novelist

UCL Honorary Fellowships

Dr Mary Cotes
Former Member, Scientific Staff
(MRC) Clinical Research Centre

Professor Andrew Holmes
Laureate Professor of Chemistry,
University of Melbourne; CSIRO
Fellow CSIRO Division of Materials
Science and Engineering; Emeritus
Professor and Distinguished
Research Fellow, Imperial College
London

HE Sheikh Mohamed Bin Issa
Al Jaber
Founder and Chairman,
MBI Al Jaber Foundation

Professor AK Azad Khan
President, Diabetic Association
of Bangladesh; President,
Bangladesh Endocrinology
Society; Honorary President
(for life) Research Society of Bangladesh

Professorial Appointments

UCL Institute of the Americas

Chair of Latin American Politics
Professor Kevin Middlebrook

Chair of Sociology
Professor Maxine Molyneux

Chair of US Studies
Professor Iwan Morgan

UCL Applied Health Research

Chair of Health Care Organisation
& Management
Professor Naomi Fulop

UCL Institute of Archaeology

Professor Mike Parker-Pearson

UCL Bartlett School of Architecture

Chair of Urban Design
Professor Peter Bishop

UCL Bartlett School of Construction & Project Management

Chair of Built Environment
Foresight
Professor Tim Broyd

Chair of Management of Projects
Dr Andrew Davies

UCL Bartlett School of Planning

Chair of Town Planning
Professor Michael Hebbert

Chair of Real Estate
Professor Patrick McAllister

Chair of Urban and Regional
Planning
Professor John Tomaney

UCL Institute of Biomedical Engineering

Chair of Materials and Society
Dr Mark Miodownik

UCL Cardiovascular Science

Chair of Medicine
Professor Bryan Williams

UCL Cell & Developmental Biology

Chair of Human Stem Cell Biology
Professor Giulio Cossu

UCL Chemical Engineering

Chair of Chemical Engineering
Professor Marc-Olivier Coppens

UCL Institute of Child Health

Chair of Paediatric Respiratory
Medicine
Professor Chris O'Callahan

Chair of Economics
Professor Alissa Goodman

Chair of Applied Economics
Dr Monica Lakhanpaul

UCL Centre for Computational Finance

Chair of Ecology and Biodiversity
Dr Kate Jones

UCL Computer Science

Chair of Computer Science
Professor Byron Cook

Chair of Computer Science
Professor Peter O'Hearn

UCL Energy Institute

Chair of Energy & Building
Performance
Professor Paul Ruyssevelt

UCL Genetics, Evolution & Environment

Chair of Computational
Systems Biology
Professor Nicholas Luscombe

Chair of Biodiversity and
Ecosystems
Professor Georgina Mace

Chair of Evolutionary and
Comparative Biology
Dr Judith Mank

UCL History

Chair of Modern British History
Professor Margot Finn

UCL Infection & Population Health

Chair of Infectious Disease
Epidemiology
Professor Iain Barber

Chair of History

UCL Anthropology

Professor of Anthropology
Dr Charles Stewart

UCL Bartlett School of Architecture

Professor in Architecture & Design
through Production
Robert Sheil

UCL Centre for Cardiology in the Young

Professor of Cardiovascular
Medicine
Dr Perry Elliott

UCL Chemistry

Professor of Organic Chemistry
Dr Alethea Tabor

UCL Civil, Environmental & Geomatic Engineering

Professor of Geoinformatics
Dr Tao Cheng

UCL Computer Science

Professor of Visual Computing
Dr Jan Kautz

UCL Developmental Science

Professor of Communication
Science & Language Therapy
Dr Wendy Best

UCL Earth Sciences

Professor of Climate Physics
Dr Seymour Laxon

UCL Economics

Professor of Economics
Dr Pedro Carneiro

Electronic & Electrical Eng

Professor of Semiconductor
Photonics
Dr Huiyun Liu

UCL English Language & Literature

Professor of English Literature
Dr Peter Swaab

UCL Epidemiology & Public Health

Professor of Epidemiology and
Medical Statistics
Dr Rebecca Hardy

UCL Genetics, Evolution & Environment

Professor of Biogerontology
Dr David Gems

UCL Haematology

Professor of Haematology
Dr Amit Nathwani

UCL Hebrew & Jewish Studies

Professor in Middle Eastern and
Mediterranean Studies
Dr Neill Lochery

UCL History

Professor of Modern History
Dr Axel Körner

UCL History of Art

Professor in History of Art
Dr Rose Marie San Juan

UCL Infection

Professor of Medical Microbiology
Dr Timothy McHugh

Professor of Microbiology
Dr Peter Wilson

UCL Infection & Population Health

Professor of Epidemiology
Dr Kholoud Porter

UCL Institute of Archaeology

Professor of Archaeobotany
Dr Dorian Fuller

UCL Institute of Child Health

Professor of Clinical and Molecular
Genetics
Dr Maria Bither-Glindzicz

Professor for Molecular Genetics
Dr Stephen Hart

Professor of Paediatric
Neuroscience
Dr Rodney Scott

UCL Institute of Ophthalmology

Professor of Molecular
Ophthalmology
Dr Andrew Webster

UCL Internal Medicine

Professor of Respiratory Infection
Dr Jeremy Brown

UCL Linguistics

Professor of Linguistics
Dr Andrew Nevins

UCL Mechanical Engineering

Professor of Marine Power
Systems
Dr Richard Bucknall

Professor of Fluid Mechanics
Dr Ian Eames

Professor of Ultrasonics
Dr Nader Saffari

UCL Medical Physics & Bioengineering

Professor of Medical Image
Computing
Dr Sebastian Ourselin

UCL Metabolism & Experimental Therapeutics

Professor of Molecular Cell Biology
Dr Margaret Ashcroft

Professor of Biomedical Imaging
Dr Mark Lythgoe

UCL Neonatology

Professor of Perinatal
Neuroscience
Dr Nicola Robertson

UCL Ocular Biology

Professor of Retinal Stem Cell
Biology and Therapeutics
Dr Gloria Limb

UCL Oncology

Professor of Cancer Medicine
Dr Jeremy Whelan

UCL Physics & Astronomy

Professor of Physics
Dr Jonathan 1 0 1

People



Faculty (reflects faculty structure before August 2012)	Academic and research staff (as of 30 April 2012)	Undergraduate students (2011/12)	Graduate students (2011/12)
UCL Arts & Humanities	328	2,157	1,075
UCL Brain Sciences	1,249	722	1,457
UCL Built Environment	355	570	1,241
UCL Engineering Sciences	667	2,049	1,642
UCL Laws	137	528	458
UCL Life Sciences	798	1,183	486
UCL Mathematical & Physical Sciences	754	2,187	677
UCL Medical Sciences	1,257	1,773	1,342
UCL Population Health Sciences	1,092	64	815
UCL Social & Historical Sciences	621	2,539	1,894
Total	5,277	13,772	11,087

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