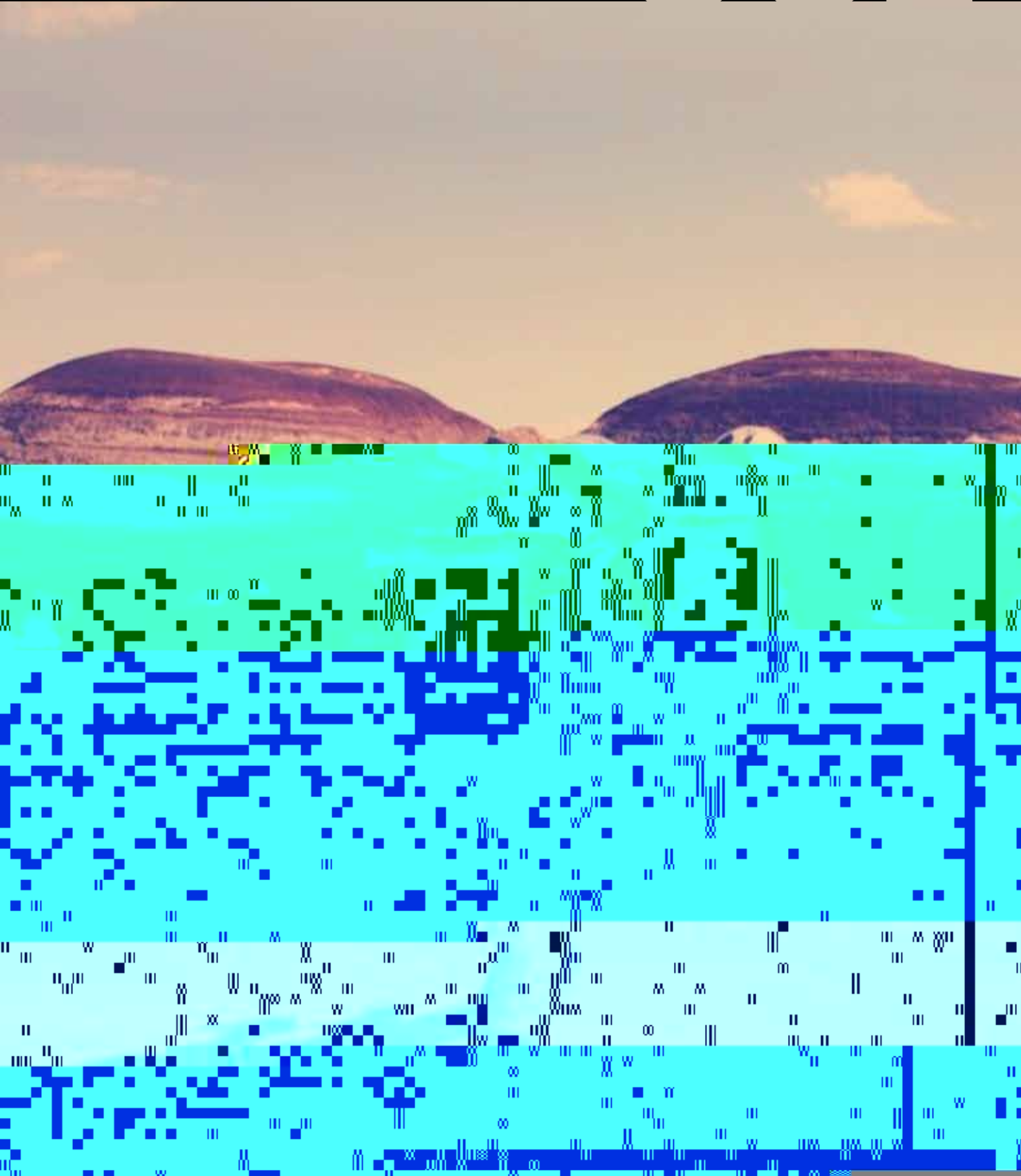


UCL



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UCL – London's Global University

Our vision

To be a leading university in the world, providing world-class education and research, and advancing the well-being of society.

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Our values

Integrity and advancement on merit

Leadership

Collaboration

Global citizenship

Excellence

Openness

Respect

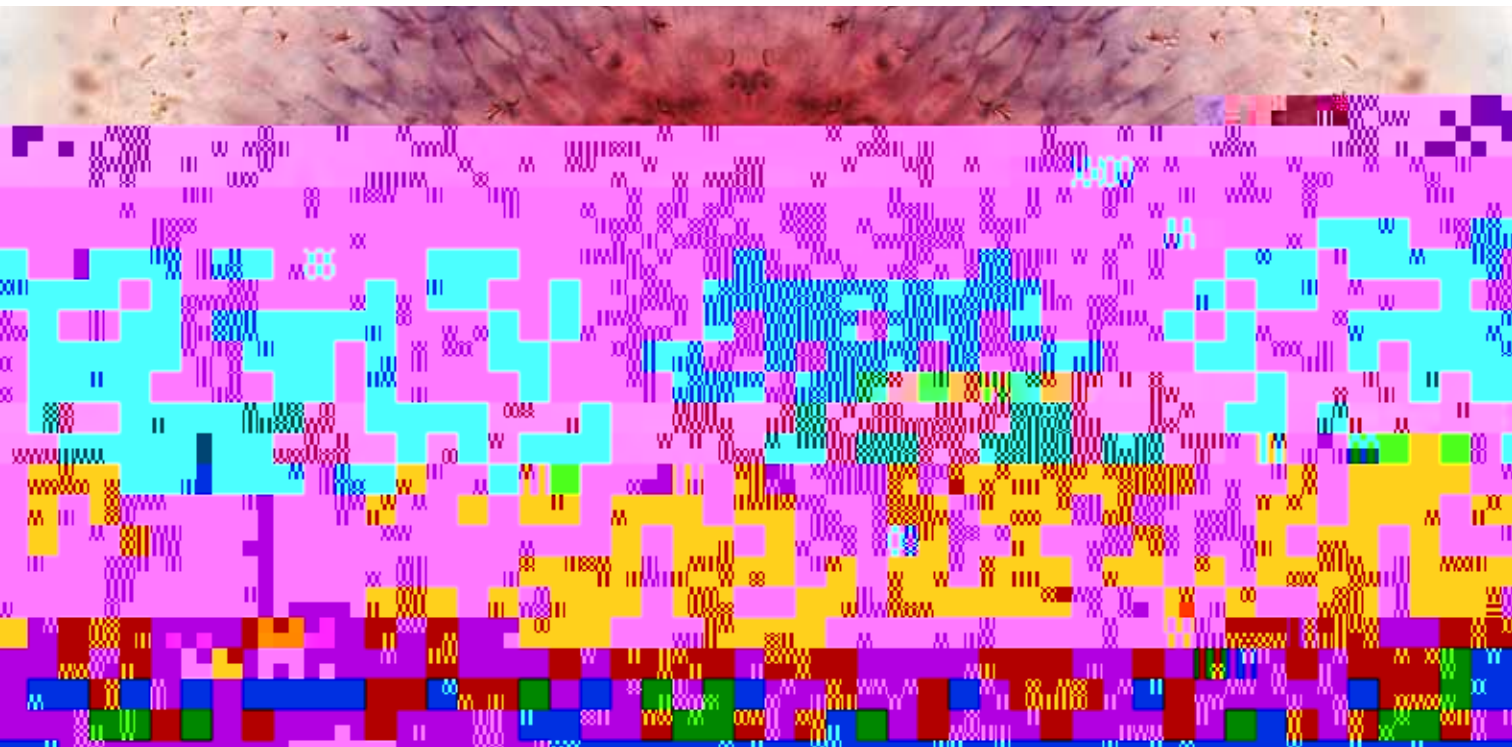
Accountability

Transparency

Efficiency

Resilience





The research summarised in these pages represents a very small sample of the outstanding investigative activity that is a hallmark of UCL. The breadth of research talent across the institution is vast. We therefore published a strategy this year that defines our research ambitions for the years ahead.

The 2011 UCL Research Strategy highlights the need to nurture and celebrate individual curiosity-driven research, but also sets out for UCL an innovative cross-disciplinary agenda, designed to deliver immediate, medium- and long-term benefits to humanity.

The strategy has three aims. Firstly, we will continue to foster leadership grounded in excellence in research specific to a single discipline. This could take the form of sustained leadership in one's discipline and the development of novel lines of enquiry; contribution to the intellectual life of one's discipline; cultivation of collegiality in one's department or more widely; support of early career researchers and students; or openness to the benefits of cross-disciplinary collaboration.

Zebrafish retina, Wellcome Image Awards winner
© Kara Cerveny, UCL Steve Wilson Laboratory

Secondly, we aim to extend the distinctive way in which we bring together leaders from across and beyond UCL to conduct cross-disciplinary research. It is vital to transcend subject boundaries if we are to devise sophisticated solutions to complex problems presented by an increasingly interconnected world.

The third aim is to expand the impact of our global university's research – locally, regionally, nationally and internationally. By impact we mean the application of our expertise, knowledge, analysis, discovery or insight delivered through scholarly publication, education, public engagement, translational research, commercial and social enterprise activity, or – crucially – through influence on public policy and professional practice.

We trust that the significance of these aspirations will inspire our staff, partners and stakeholders to help us achieve them.



Professor David Price
UCL Vice-Provost (Research)

Focus on: Imaging Technology

UCL continued to invest in medical and biomedical imaging technology in 2011, both independently and in partnership with other institutions. Imaging technology allows academics and medical professionals to stay at the forefront of scientific research, and UCL is recognised as a world leader in this important field.

Biomedical imaging centre opens

The UCL Centre for Advanced Biomedical Imaging (CABI), a new multidisciplinary research centre for experimental biomedical imaging, was officially opened in April. Its collaborative approach brings together technology and expertise from across UCL, aiming to develop and apply different imaging technologies to a broad range of research in order to enhance human wellbeing. CABI's technology is being used in areas including monitoring the instantaneous effects of cancer treatment and investigating the effects of genes responsible for hole in the heart in babies.

Mapping the brain

UCL scientists moved a step closer to a computer model of the brain after developing a technique to map both the connections and functions of nerve cells in the brain using high-resolution imaging. Dr Thomas Mrsic-Flogel, a Wellcome Trust Research Career Development Fellow at UCL, has been leading a team of researchers exploring an emerging area of neuroscience research known as 'connectomics', which aims to map the brain's synaptic connections, of which there are an estimated 150 trillion. Understanding these connections will help scientists understand what happens when they fail, for example in Alzheimer's disease, schizophrenia and stroke.

CT study of early humans reveals evolutionary relationships

Dr Brian Villmoare (UCL Anthropology) was one of two researchers who used CT scans of fossil skull fragments that may help researchers settle a long-standing debate about the evolution of Africa's *Australopithecus*, a key ancestor of modern humans that died out 1.4 million years ago. The research revealed information about different facial features shared by a number of *Australopithecus* species that provides clues about their evolutionary relationships.

Targeted policing has knock-on benefits

Researchers at UCL Security & Crime Science published findings supporting the benefits of targeted policing. The team undertook a systematic review of 44 international studies, addressing the common assumption that targeted policing to reduce crime in one area might simply displace the problem to adjacent areas. The study found no evidence for this assumption and in fact found that focusing on areas with high crime rates can have a dispersed benefit to surrounding areas.

Arctic sea-ice map is redrawn

Scientists at UCL's Centre for Polar Observation and Modelling produced the most extensive map yet of Arctic sea-ice thickness using just two months' worth of data from the European Space Agency's ice mission, CryoSat-2. Data from the agency's satellite has also helped the UCL team create an updated map of ocean circulation in the Arctic, and a topographical relief map of Antarctica. Professor Duncan Wingham of the UCL centre first conceived the idea for CryoSat-2 more than 10 years ago.



Imaging stem cells using nanoparticles

UCL CABI

UCL undertakes joint venture in medical imaging

UCL became an equal shareholder with the Medical Research Council, Imperial College London and King's College London in a new venture that assumes responsibility for the facilities and operations at pharmaceutical company GlaxoSmithKline's Clinical Imaging Centre.

UCL imaging centre is lauded in major report

The Wellcome Trust Centre for Neuroimaging at UCL was cited as a world leader in a major report on human functional brain imaging. The Wellcome Trust report used the 20th anniversary of the first human study employing functional magnetic resonance imaging as an opportunity to assess key developments and the role it has played as a funder.

Investigating the psychology of financial markets

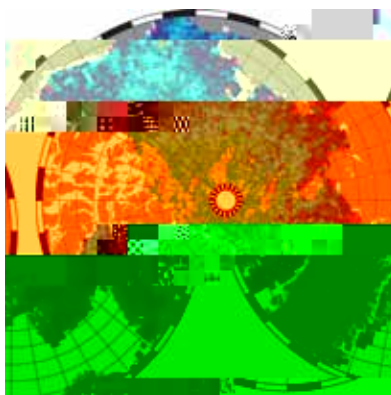
Professor David Tuckett (UCL Psychology & Language Sciences) received a grant from the Institute for New Economic Thinking to continue research into the decision-making context that guides traders' financial decisions, and its effect on instability in financial markets. Professor Tuckett found that traders' work is characterised by the way they deal with uncertainty and ambiguity, an area that is often sidelined in mainstream economic thinking. He showed that the uncertainty involved in financial trading led traders to rely on emotions and story-telling in their decision-making, which contributed to market volatility.

Exposing the literary aspects of war

Professor Ardis Butterfield (UCL English) was awarded the R.H. Gapper Book Prize by the Society for French Studies for her book *The Familiar Enemy*, which provides a rare illumination of the literary aspect of the Hundred Years War. Professor Butterfield argues that a modern understanding of what 'English' meant at the time cannot be separated from 'French', given the countries' extensive cultural and linguistic ties. The annual Gapper Book Prize is awarded on the basis of a book's critical and scholarly distinction and its likely impact on wider critical debate.

UCL voted best for postdoctoral researchers

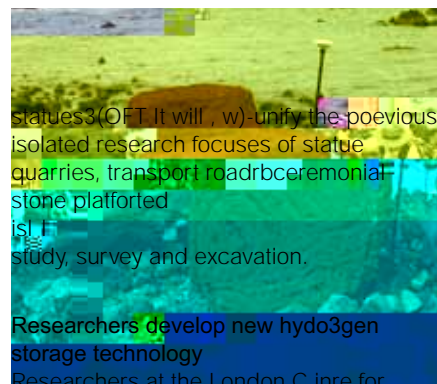
UCL was voted the best international institution for postdoctoral researchers for the second consecutive year in a survey run by *The Scientist* magazine. The survey found UCL to be the best non-US institution for quality of training and mentoring, quality of communication, value of the postdoctoral experience and equity. Nearly 3,000 respondents to the survey assessed their work environment and experience by indicating their level of agreement with 38 criteria in nine different areas.



Map of the Arctic sea ice by CryoSat-2
© CPOM / UCL / ESA

UCL space missions get the go-ahead

UCL scientists and engineers had extensive involvement in space missions through the European Space Agency (ESA) in 2011. UCL space scientists are involved in two out of four missions selected by ESA to compete for a launch opportunity at the start of the 2020s. The EChO mission, led by Dr Giovanna Tinetti (UCL Physics & Astronomy), will search for signs of life on planets that orbit nearby stars. UCL is well represented on the LOFT mission, which will study the environments that surround black holes, neutron stars, pulsars (OFT mission, w)-27(-45(round b)10nc)o3rnulsnTj0 -1p0arb Co1p0arb'. The project aims to develop new features of the organisation and meaning of the isl 24amous stone



statues3(OFT It will , w)-Unify the previously isolated research focuses of statue quarries, transport road, ceremonial stone platformed isl study, survey and excavation.

Researchers develop new hydrogen storage technology

Researchers at the London Centre for Nanotechnology (LCN), a joint venture between UCL and Imperial College London, helped to develop a new technology that allows hydrogen to be stored in a cheap practical way, making it more suitable for widespread use as a carbon-free alternative to petrol. LCN researchers Zeynep Kurban and Professor Neal Skipper and UCL graduate Dr A Tw35 Thur L3rnulsell were among researchers who helped to develop a new nano-

In 2011, UCL's School of Life and Medical Sciences enjoyed significant change and growth. In August, the school adopted a new structure: three new faculties – Brain Sciences, Population Health Sciences and Medical Sciences – now sit alongside the existing Faculty of Life Sciences. This structure has improved the representation of core strengths and interests within the university and beyond. Reinforced by the appointment of Chairs to the school's Research Domains – nine core groupings of research activity across the school – it has also facilitated a greater commitment to supporting interdisciplinarity and cross-faculty working.

The school is delighted about the London School of Pharmacy's

Focus on: Transplant Breakthroughs

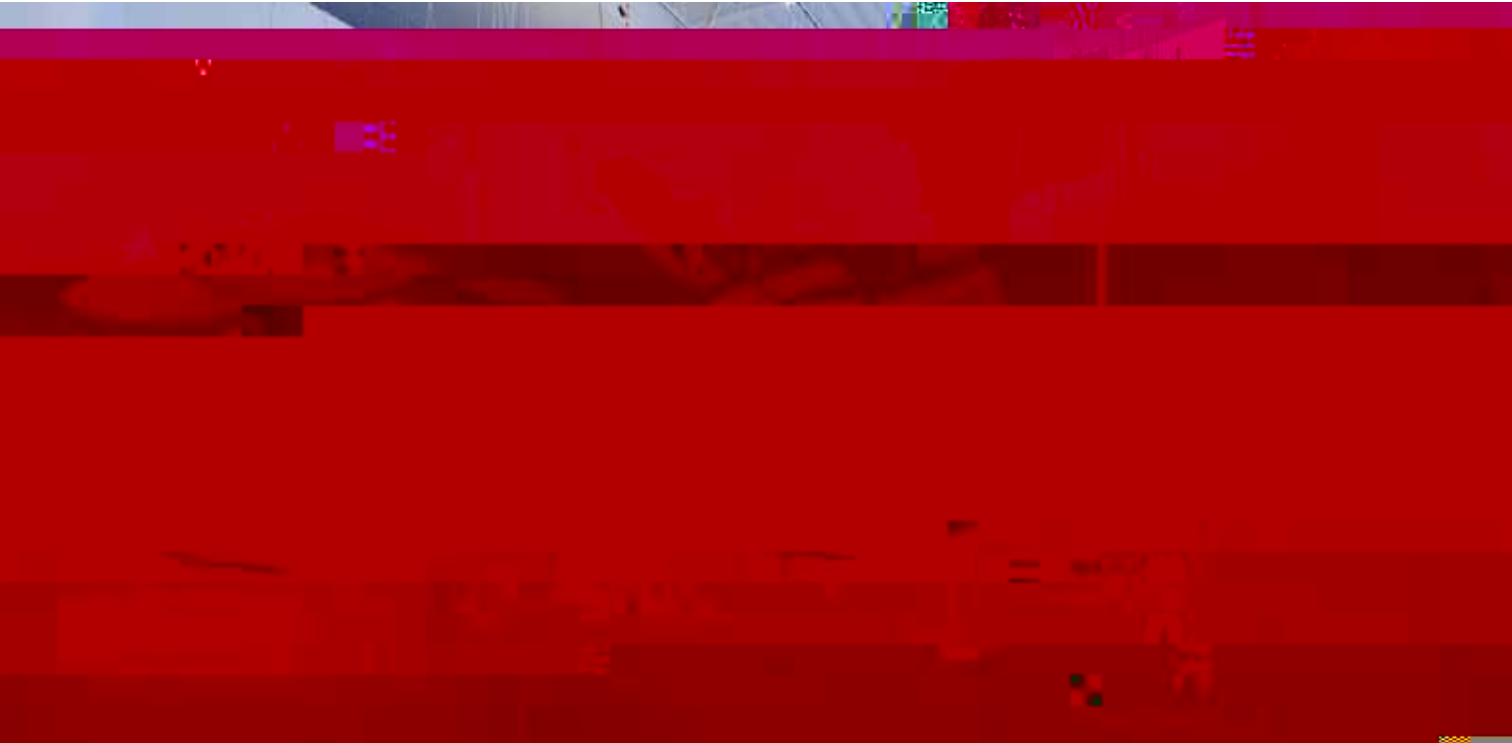
UCL scientists played integral roles in a number of

New insight into treatment of drug-resistant HIV

Research conducted into the effects of drug-resistant strains of HIV could help the initial treatment of millions of people worldwide. Researchers at UCL and University College London Hospitals NHS Foundation Trust (UCLH) were among collaborators in a European study into drug-resistant strains of the virus. The study found a particular combination of antiretroviral drugs that could significantly reduce the failure rate of treatment for patients with such strains.

Imperial and King's join The Francis Crick Institute

Imperial College London and King's College London joined UCL and other partners in the project to develop a world-leading medical research institute, The Francis Crick Institute (formerly known as UKCMRI). The institute, scheduled to open in 2015, will bring together scientists from all disciplines with the goals of understanding the basic biology underlying human health and finding ways to prevent and drive forward better treatment of the most significant diseases



The past year has seen some important developments in UCL's global activities. In September, we became the first British university to open a campus in Qatar, a unique partnership with Qatar Foundation and Qatar Museums Authority, offering postgraduate programmes in archaeology, conservation, cultural heritage and museum studies, and professional training for museum and archaeological professionals, as well as an ambitious research programme.

In December, UCL students specialising in Energy & Resources from six countries graduated at the Royal Institution in Adelaide, Australia – the first graduation ceremony in UCL's history to be held outside England. At Nazarbayev University in Kazakhstan, nearly 500 students graduated in June with a UCL Undergraduate Preparatory Certificate, and in September the university opened its School of Engineering with a UCL Professor on secondment as its first Dean. We shall also train engineers to take up academic positions in Nazarbayev University and develop collaborative research.

UCL signed a partnership agreement with the global resources company BHP Billiton that will see us establish an Institute for Sustainable Resources in London and an International Energy Policy Institute in Adelaide, and which will provide funding for scholarships, fellowships and two Chairs.

SURFACE TENSION exhibition, Nevada

The Yale–UCL Collaborative, formed in 2009 to improve global health through scientific research and clinical and education collaboration, is being developed to embrace other disciplines in both universities. It will provide better understanding of the human condition and the environment, and new approaches to solving global problems.

On the teaching front, UCL signed student exchange agreements with universities on five continents. We have established partnerships with several leading research-intensive universities overseas, where innovations are being brought to the delivery of teaching, and exciting new spaces for learning are being created. We are also building distance-learning continuing professional development programmes in healthcare and biomedicine, for delivery initially in South Asia and then worldwide.



Professor Michael Worton
UCL Vice-Provost (International)

Focus on: Australia Campus

UCL Australia, based in Adelaide, was the focus of promising international investment in 2011. UCL's first campus outside the UK agreed funding deals that will continue to drive the academic and research excellence that it has established since opening in April 2010.

UCL climbs world rankings

The 2011 Academic Ranking of World Universities, published by Shanghai Jiao Tong University, China, saw UCL climb one place to 20th position. UCL was one of only three European universities in the top 20. UCL President & Provost Professor Malcolm Grant said: "At UCL we do not make inflated claims on the basis of university rankings. All of them are methodologically flawed and none can fully reflect all of an institution's qualities. This table has been unusual in maintaining a consistent and transparent approach year after year, and in focusing on measures of research excellence."

UCL Qatar applications open

Applications opened in December 2011 for the first intake of UCL Qatar's postgraduate programmes in archaeology, conservation and museum studies, to start in August 2012. UCL Qatar is a unique partnership between UCL, Qatar Foundation and Qatar Museums Authority based in Doha. The opening of applications makes UCL the first British university to open a campus in the country, and promises to establish Qatar as an international centre of excellence in research in archaeology, conservation, cultural heritage and museology.

Bartlett architects provide centrepiece for Nevada exhibition

The Nevada Museum of Art in Reno, USA, featured a major art installation created by two senior lecturers from the UCL Bartlett School of Architecture. Mark Smout and Laura Allen presented the installation *SURFACE TENSION*, an eight-metre-high network of more than 2,000 parts that commented on the role of the built environment during times of environmental change. The work was the centrepiece for the museum's exhibition *Landscape Futures: Instruments, Devices, and Architectural Inventions*.



Participants in the Yale–UCL Collaborative at the House of Commons

First engineering students enrolled at UCL partner in Kazakhstan

The Nazarbayev University School of Engineering in Astana, Kazakhstan accepted its first undergraduate students in September 2011. UCL is the international partner for the school, which specialises in chemical engineering, civil engineering and mechanical engineering, and aims to become the leading facility in Central Asia for advanced and professional education in these fields. The partnership was forged with the signing in February 2010 of an agreement for UCL to deliver the University Preparatory Certificate foundation year in Astana.

UK Parliament celebrates Yale–UCL Collaborative

The Yale–UCL Collaborative was showcased as a leading example of transatlantic research collaboration in June at a House of Commons event hosted by George Freeman MP and UCL President & Provost Professor Malcolm Grant. Senior leaders and scientists from Yale and UCL joined government ministers, MPs and peers to commend the alliance, which aims to improve global health by educating citizens to make positive contributions to society; interpreting complex societal issues; and solving important problems through collaborative research and implementation of research discoveries.



The UCL Science Library

© Elaine Perks

As a new member of the UCL community, I was struck by the achievements of teaching staff during 2011 – and equally by the drive of students to make the most of all that a UCL education can offer.

The winners of the Provost's Teaching Awards embody the dedication, found at all levels across the university, to firing fertile minds with the passion and techniques to absorb, question and unlock knowledge – invaluable attributes to any future career. Cutting-edge technology represents one way to capture the imagination and facilitate learning, and in 2011 UCL encouraged its adoption by providing staff with e-learning development grants.

UCL students exhibited a determination not only to stretch themselves intellectually – borne out by an impressive record in academic awards – but also personally and professionally to the benefit of society. Many won placements at leading companies; others applied their intelligence to real-world issues, often pooling their ideas with students internationally. Thousands gave their time and expertise to local organisations, in particular visiting schools to inspire the next generation of bright minds to aim for a university education.

Attracting the best students regardless of background is part of the UCL ethos. In 2011 we appointed the Principal of the UCL Academy, a new secondary school we are sponsoring in Camden that will welcome its first students in 2012, and the Office for Fair Access approved our Access Agreement, which sets out how we will further encourage talented students from disadvantaged backgrounds to attend the university.

In turn, UCL has a duty to ensure that our students have at their disposal the support and facilities they deserve in order to thrive during their university career – whether new levels of feedback from teachers, study and social spaces, careers education or new programmes, such as the groundbreaking interdisciplinary Bachelors in Arts and Sciences launching in 2012. These and more plans for transforming education at UCL over the next 10 years are described in the UCL White Paper, approved by Council in July 2011. I look forward to working with the whole UCL community to make these plans a reality in the years to come.



Professor Anthony Smith

UCL Vice-Provost (Education)

Focus on: Provost's Teaching Awards

Now in their fifth year, the Provost's Teaching Awards were established to celebrate the best of teaching at UCL and to reward staff who make outstanding contributions to the learning experience and success of students. They demonstrate UCL's commitment to improving teaching, learning and assessment; attracting and retaining world-class staff; and highlighting and rewarding achievements that support teaching and learning.

This year, ten awards were presented to outstanding members of the UCL community across several faculties in recognition of their contribution to excellence and innovation in teaching. The awards spanned four categories: Beginning of Career,



Lotus exhibition in the UCL Quad

First Lotus Engineering scholarship awarded

Nicholas Mak, a Singaporean UCL MSc Mechanical Engineering student, received the first UCL Colin Chapman Lotus Engineering Masters Scholarship. The scholarship, inspired by UCL alumnus and founder of Lotus, Colin Chapman, lasts for one year. It is awarded for engineering excellence and offers the recipient £10,000 and an internship at Lotus Engineering.

Support for e-learning development

UCL allocated £40,000 to e-learning development grants to help staff further integrate the benefits offered by digital delivery into their teaching. Personal support was provided by the UCL Learning Technology Support Service to develop innovative ideas, and the grants also funded the employment of students to assist with the creation of e-learning materials.

UCL's Access Agreement approved by Office for Fair Access

UCL's new Access Agreement, setting out plans to further encourage students from disadvantaged backgrounds to attend the university, was approved by the Office for Fair Access. From the academic year 2012–13, UCL will spend some 30% of additional student fee income on access measures, equating to around £8.2 million a year. Around £7 million will be spent on financial support for students, with the remainder dedicated to outreach activities. The university will seek to increase applications from prospective students from lower socio-economic groups by 25% over 2012–17. It will also aim to increase applications from students from low-participation neighbourhoods by equivalent numbers over the same period.

Learning and teaching at UCL 2010–15

Following consultation with the UCL community, UCL Council published a White Paper articulating a vision for the institution for the coming ten years. The paper builds on UCL's *Institutional Learning and Teaching Strategy 2010–15* in committing to the enhancement of teaching at UCL. Proposals include an all-programme review over the next two years, a review of the undergraduate curriculum, and new learning activities for students in all disciplines, exploring areas such as cultural difference, leadership and entrepreneurship.

Undergraduate tuition fees are set

UCL Council endorsed the recommendation of the university's Finance Committee to set the tuition fee payable from earned income after graduation by home and EU students for 2012 entry at £9,000 for all of its undergraduate programmes. This decision was designed to ensure undergraduates continue to benefit from the outstanding teaching and facilities they deserve, in light of the fact that from 2012, UCL will receive no government teaching funding for any undergraduate programmes in Arts and Humanities, Social and Historical Sciences (except Archaeology), Laws, Bartlett Faculty of the Built Environment, Slavonic and East European Studies, Mathematics, Statistics, Psychology and Computer Science.

UCL Transition Programme shortlisted for award

The UCL Transition Programme, an innovative project that supports new UCL students in adapting to university life, was shortlisted for a London Education Partnership Award. Departments with a full Transition Programme run a mentoring scheme with experienced students in the same teaching area and workshops on academic skills. As part of the project, UCL students also visit local schools as 'transition mentors' to run projects for young people.

Enterprise

It has been another excellent year for enterprise at UCL. Our ambitious UCL Enterprise strategy for 2011–15 was launched and work has already begun on implementation.

One of the cornerstones of the strategy is to greatly expand partnerships with external organisations. A great example

Success tastes sweet for Citrus

Saturday kids

UCL student volunteers helped Camden schoolchildren to produce and sell their own lemonade in July. The two-week project saw the pupils gain valuable business skills before they set up their stalls at key locations in London on the big day – Citrus Saturday. Sales totalled £1,200 and 1,500 bottles and cups of lemonade were sold from eight stalls. During the process children learned how to set goals, create budgets, secure investors, select a site, purchase supplies, serve customers, make a profit and repay investors.

Awards for Enterprise 2011

More than 400 staff, students and business professionals gathered at UCL's Bloomsbury Theatre in May to celebrate

UCL



UCL Council White Paper 2011–2021: a vision for the next 10 years

Following consultation with the UCL community, UCL Council published a White Paper in October 2011 articulating a vision for the institution for the coming 10 years. It sets out strategic aims and initiatives to help us achieve our aspiration to make UCL the most exciting university in the world at which to study and work.

Recent changes to the UK higher education landscape present us with a series of fundamental, unprecedented changes, with the removal of government support for most undergraduate teaching and research funding under more pressure than at any other time in the past decade. But these changes also provided UCL with a unique opportunity and obligation to develop new strategies to consolidate and flourish as the UK's leading outward-looking university, making a major contribution to society and enhancing the lives of our students.

Download the White Paper in full and watch UCL President & Provost Professor Malcolm Grant discuss its themes at www.ucl.ac.uk/white-paper.

Key strategic aims

UCL is committed to the following aims, which provide the framework for the UCL Council White Paper 2011–2021:

1. Maintaining the qualities of a comprehensive university, committed to excellence in the arts, humanities, social sciences, physical, biological and medical sciences, engineering and the built environment.
2. Maintaining its openness as an institution, attracting wholly on merit the most talented students from the United Kingdom and from around the world.
3. Providing education of the highest academic quality, rigorous in its demands, distinctive in its character, imbued with UCL's world-leading research and delivered by academic staff at the forefront of their field.
4. Enhancing its position as one of the world's leading research institutions with a continued focus on single and multi-disciplinary research and a commitment to the application of new knowledge to addressing major societal challenges.
5. Becoming a global leader in enterprise and open innovation, supporting and promoting effective knowledge exchange, innovation, entrepreneurship and collaboration with commercial and social enterprises.
6. Attracting, rewarding and retaining outstanding staff from diverse backgrounds.
7. Securing long-term financial sustainability and sustaining the level of capital investment necessary to achieve its academic objectives.
8. Operating at the highest levels of efficiency, reducing overheads and eliminating waste.
9. Improving the quality, accessibility and sustainability of its estate and its use, upgrading its built environment and making optimal use of space.

Key innovations and initiatives

- Opportunities for academically strong undergraduates to acquire the equivalent of a GCSE Grade C or above in a modern foreign language once enrolled at UCL, given the expectation from 2012 that undergraduates have this qualification.
- The launch in 2012 of the liberal arts undergraduate BASc programme, a newly designed interdisciplinary degree incorporating both sciences and humanities.
- Proposals to consider admitting additional UK-EU students with grades of AAB or above at A level in programmes where there is strong demand from high-quality applicants, in the light of government reforms lifting quota controls on strong A level students and redistributing student places in new institutions.
- Extension of the impact award scheme, which supports collaborative PhD projects match-funded by organisations such as charities, companies, government institutions and social enterprises.
- Participation in the government's National Scholarship Programme, benefiting students who are in their first year of study and who come from a household with an annual income of under £25,000.
- Separate support for students from households with an income of £25,000–42,600, and significant additional funds for the UCL Friends Programme Hardship Fund.
- Proposals to open up the facilities of the UCL-sponsored Academy in Camden – our biggest single commitment to raising aspiration and opportunity within our community, due to open in September 2012 – to pupils in the borough.
- A fundamental review of admissions processes, with an emphasis on efficiency, transparent criteria and a customer-oriented focus.

- New learning activities for students in all disciplines, to take place in the post-examination period in the first and second year of study, exploring areas such as cultural difference, leadership and entrepreneurship.
- A review of every programme over the next two years to ensure continuing fitness for purpose, taking into account the relationship between teaching, research and scholarship; new technologies; feedback; assessment and employability.
- A review of the undergraduate curriculum, including the simplification of the entry points to accommodate radical changes occurring in secondary education around the world. We will also provide greater choice for students once they are at UCL, based on their first year study experience.
- Consideration of a possible adoption of a semester system, which is becoming the standard global model.
- Improvement in the range and quality of information provided to students and employers through the roll-out across UCL of the Higher Education Achievement Record, and through the pilot of a globally recognisable Grade Point Average approach to recording student achievement, alongside the existing honours system.
- Development of a Student Experience Strategy that will integrate approaches to learning and teaching with other aspects of student life such as work experience, careers education and volunteering, and will involve investment in student counselling.
- Enhancement of the student experience by improving technology, social and study spaces, feedback, tutoring, campus access, contact with subject leaders, curriculum diversity, opportunities for e-learning, and equipment. In tandem, more sophisticated ways of assessing the student experience will be developed to provide systematic information on these areas.
- Development of proposals to allow volunteering to become an element of all degree programmes.
- Significant investment in the Careers Service, to expand access to and involvement of alumni.
- Extension of the Provost's Teaching Awards scheme, which recognises transformative approaches to teaching. The postgraduate teaching assistant scheme will be expanded in terms of training, financial support and supervision.
- Refurbishment of accommodation in central London, with the additional aim of 1,000 new bed-spaces in readily accessible, safe and economical areas beyond the city centre.

- Creation of a unified organisational structure to support enterprise activity across the university in academic and other environments.
- Identification and support of enterprise activity in every academic department, alongside a network of enterprise champions.
- Universal student access to some form of entrepreneurship training as part of their study programme, or by participation in extracurricular activities.
- Stimulation of and support for 500 new commercial and social enterprises in the next five years, through a combination of mentors, business advice, space and investment – including a fund for student entrepreneurs.

- Development of a Research Frontiers programme of cross-disciplinary enquiry – running parallel with the Grand Challenges – into areas that have the potential to change fundamentally the way we understand subjects such as the origins of the universe, consciousness and language.
- Creation of opportunities for younger researchers to take leadership roles in new initiatives.
- Proposals to make bridging funding available to promising researchers who temporarily lose grant support due to funding agency administrative procedures. We will endeavour to increase the number of researchers holding personal fellowships or awards.
- Development of strategic and innovative awards and programmes at the interface between disciplines, such as four-year PhD and EngD programmes, and centres for doctoral training.
- Enrichment of the Graduate School's skills development programme for research students, with courses that b61.235 Tr

UCL prides itself on making a difference to London life

Focus on: Digital Engagement

UCL continued to expand and enhance its public outreach throughout the year with a number of digital innovations. The university's online presence is a vital element of its interaction with the wider community. This year's developments continue the strong trend of engagement that promises to be mutually beneficial for the public and for UCL.

UCL launches open access research repository

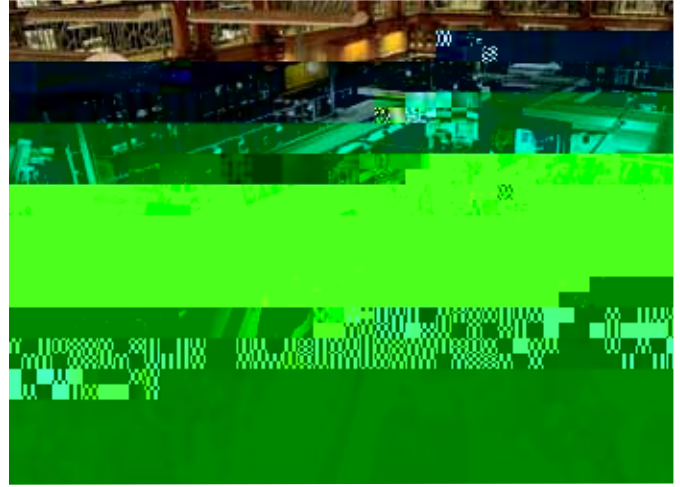
UCL Discovery, the public showcase of UCL research, was formally launched in July. The service provides details of more than 200,000 research items, and full public access to more than 6,000 items including journal articles, book chapters and conference proceedings. UCL's commitment to open access in academia is also demonstrated by its role as one of the leading contributors to the 'Roadmap Towards Open Access' launched in June by the League of European Research Universities.

Bentham mass transcription wins major digital award

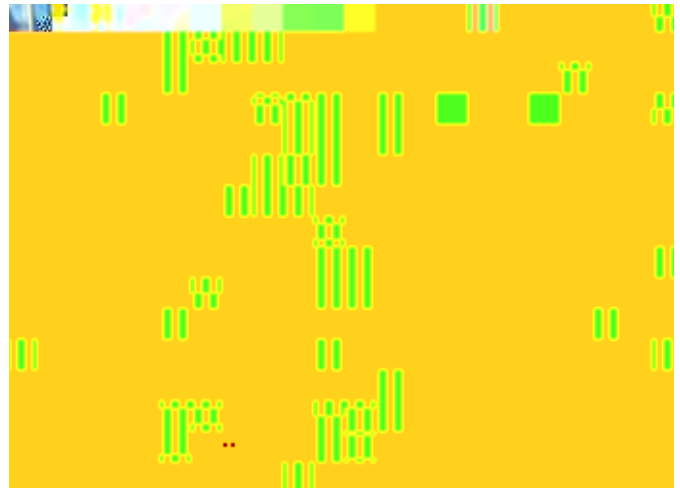
Transcribe Bentham, a pioneering 'crowdsourcing' scheme that involves members of the public in transcribing papers from the vast collection of philosopher Jeremy Bentham via the internet, received the Award of Distinction from the Prix Ars Electronica, the world's foremost digital arts competition. More than 1,000 volunteers have worked on UCL's extensive Bentham collection, transcribing more than 2,200 manuscripts on issues from economics to animal cruelty. The little-known writings were then made available to scholars and the wider public through UCL Library's digital Bentham collection. The eventual aim is to produce the new authoritative edition of *The Collected Works of Jeremy Bentham*.

UCL Events blog expands audiences and discussion

The UCL Events blog was launched in March, with a review and video footage of the sell-out 2011 Rickman Godlee lecture by Noam Chomsky on 'Contours of Global Order'. The blog features contributions by a variety of writers from across the UCL community, and provides an interactive channel for feedback on and discussion about the lectures, exhibitions and other events that UCL hosts and participates in throughout the year.



The UCL Grant Museum of Zoology reopens



Lottolab at the Science Museum

UCL Grant Museum of Zoology reopens
with interactive focus

UCL undergraduates mentor

local teenagers

In August, 70 teenagers from inner London

The year saw a significant improvement in the overall financial position of the university, with the retained surplus rising from £5 million to £30 million.

While some of the improvement has come from continued income growth of 6% from almost all sources in the year, much of it has come from robust controls over its cost base. These have meant that staff and operating costs, which make up 94% of total expenditure, have risen by only 4.6%. The improvement in the surplus has followed through to the year-end cash position

HEFCE 2011–12 announced

HEFCE, the Higher Education Funding Council for England, announced a £171.3 million teaching and funding recurrent grant for 2011–12 at UCL. This was £1.5 million (0.9%) lower than the final grant for 2010–11, against sector reductions of 4.1%.

Two pro rata reductions brought the total cut since UCL's 2010–11 budget to £6 million. Within the grant, the amount available for research was protected; £5.6 million of the £6 million cut fell on the teaching grant element, a cut of 8.3%.

HEFCE also indicated the allocation of capital funds, including the reinstatement of £1.1 million teaching funds clawed back last August and a £720,000 capital allocation for learning and teaching for 2012–13. The allocation for research for the years 2011–12 to 2014–15 was £40 million, a cut of around 70% on the 2008–11 allocation.

Lewis's Building reopens with new facilities

UCL President & Provost Professor Malcolm Grant officially reopened the Lewis's Building in June 2011. The new-look building is part of the university's overall strategy to open up the campus space, improve the approach to UCL and continue to provide students with a world-class experience.

UCL alumni provided generous support for the cost of redevelopment with more than £1.2 million raised from a number of donors.

UCL Union also provided funding of £350,000. The project's total cost was just under £6 million.

The new building features facilities such as a rehearsal room, dance studio, bar, café and entertainment venue. Other improvements include a ramp for better access and lifts from the basement to the fourth floor.

UCL-led birth cohort study receives £28.5 million boost

The largest ever UK-wide study of babies and young children, led by scientists at UCL, received a landmark £28.5 million commitment from the Department for Business, Innovation and Skills, adding to an earlier £5 million contribution from the Economic and Social Research Council and Medical Research Council.

The pioneering study will track the growth, development, health, wellbeing and social circumstances of more than 90,000 UK babies and their families. It will be the first of its kind.



The proposed Sainsbury-Wellcome Centre

© Ian Ritchie Architects

Sainsbury-Wellcome Centre granted planning permission

Plans to build a new research centre at UCL were approved by the London Borough of Camden in July. The new Sainsbury-Wellcome Centre represents a partnership between the Gatsby Charitable Foundation and the Wellcome Trust to establish a new Research Centre in Neural Circuits & Behaviour at UCL. Neuroscientists working at the centre, which is expected to be completed in 2014, will investigate how brain circuits process information to create neural representations and guide behaviour.

Children's policy research unit established

The UCL Institute of Child Health secured a five-year, £4.6 million grant from the Department of Health Policy Research Programme to lead a new Policy Research Unit in the Health of Children, Young People and Families (CPRU).

The CPRU's work will operate around four research themes. Themes each have two projects to be completed by December 2012, the outcomes of which will inform the programme for future years. The themes in the first year are 'Healthy Child', 'Healthcare Provision', 'Child Mental Health' and 'Adolescence'.

Biomedical research centres receive £165 million

Medical research centres run by UCL in partnership with three NHS trusts received preliminary government funding worth approximately £165 million over five years in August 2011. Three biomedical research centres (BRCs) with UCL as an academic partner were established in 2007 with National Institute for Health Research (NIHR) funding. The recent funding award included £4.5 million to enable UCLH and UCL to set up a fourth separate biomedical research unit specialising in dementia.

Professor Malcolm Grant, UCL President & Provost, said: "The outcome of this grant process really is a fantastic success for UCL and our partner hospitals. I pay tribute to all those staff who were involved in the bids and who have made these initiatives the successes that they are. The fact that we are a partner in four centres and units which will receive funding is testament to the strength of our links with UCLH, Moorfields and Great Ormond Street, and our ability to effectively combine medical research with clinical practice."

Professor Deenan Pillay, BRC Director at UCLH, said: "I can't express how pleased we are here at the BRC. It means we can continue our plans to develop some of the most cutting-edge experimental medicine. The BRC is a powerful partnership between leading clinicians and scientists, and we want to build on our partnership working. This will bring optimal, cutting-edge, research-led care to patients."



Professor Deenan Pillay

Wolfson Foundation awards major grant for experimental neurology centre

The Wolfson Foundation awarded £20 million, its largest ever grant, for the establishment at UCL of the Leonard Wolfson Experimental Neurology Centre. It will be dedicated to the understanding and treatment of neurodegenerative diseases, such as Alzheimer's disease and Parkinson's disease.

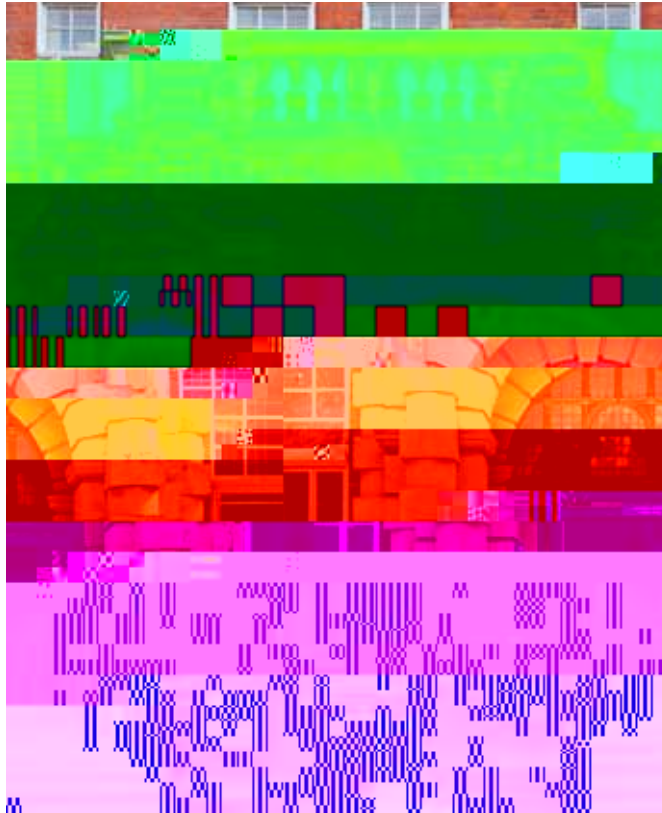
The centre, which will be based at the National Hospital for Neurology and Neurosurgery, will accelerate the development of treatments and identify future therapeutic targets for neurodegenerative diseases, with the aim of earlier intervention for patients.

The grant was made as a result of the Wolfson Neurology initiative, designed as a legacy to Lord Wolfson of Marylebone, who died in 2010.

School of Pharmacy merges with UCL

The Council of the School of Pharmacy, University of London, decided by a decisive majority in May 2011 that the School's long-term future would be best secured through a merger with UCL. The merger occurred formally on 1 January 2012 when the school, now the UCL School of Pharmacy, was incorporated into UCL's Faculty of Life Sciences.

Professor Sir John Tooke, UCL Vice-Provost (Health), said that he was "confident that this innovative new alliance will be mutually beneficial, drawing on the considerable complementary academic strengths of both institutions".

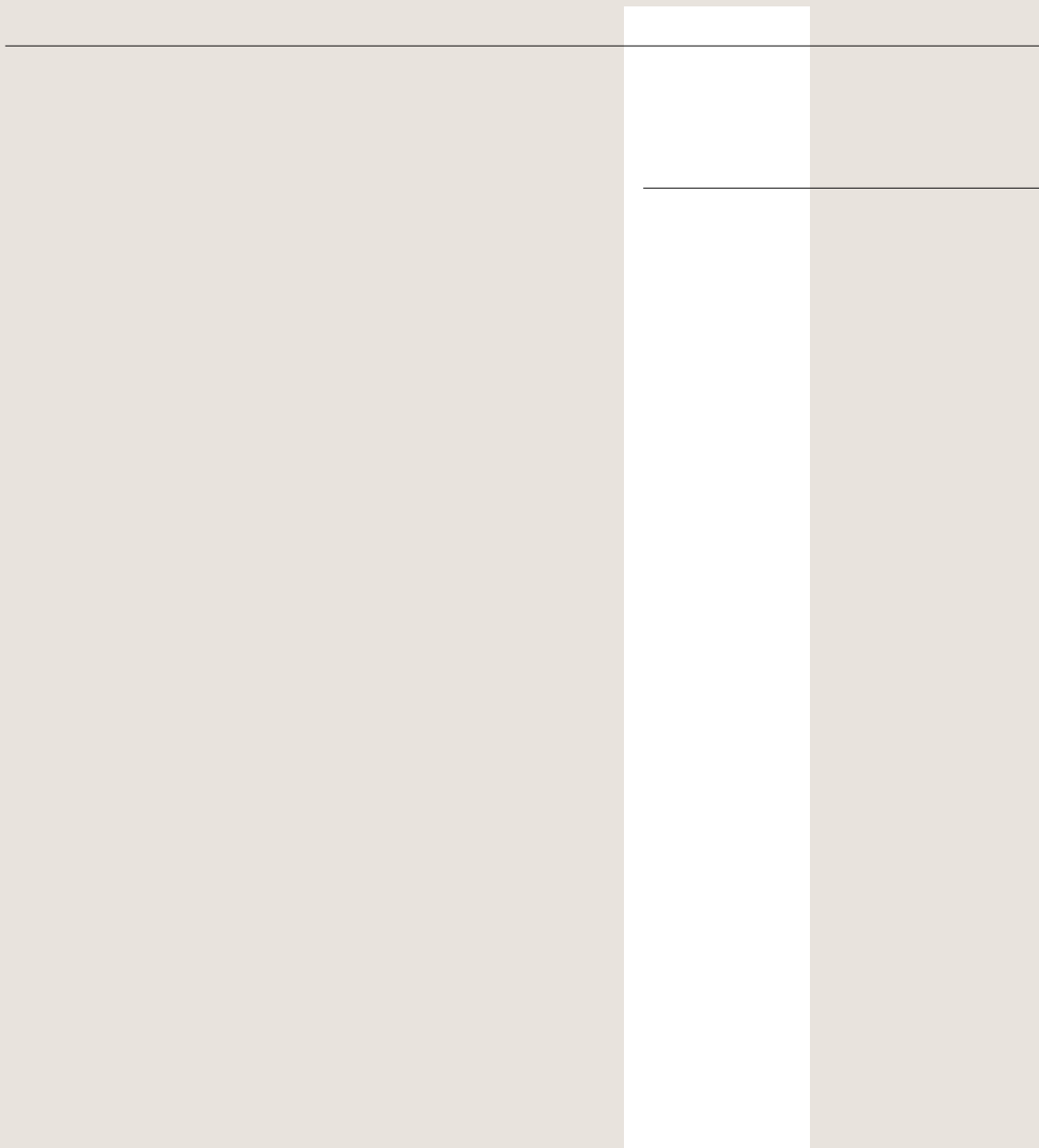


The National Hospital for Neurology and Neurosurgery

UCL looks east for additional campus

UCL and the London Borough of Newham announced plans to explore the establishment of an additional campus for UCL in the Olympic borough. If the proposals go ahead it is likely that UCL will develop a significant presence in Stratford over the next five years. Both parties will develop site proposals during 2012.

The decision to explore this opportunity was driven by several factors, including the growth strategy outlined in the UCL Council White Paper coupled with the limited long-term capacity in central London; the combination of affordability, Olympic legacy and accessibility offered by Stratford; and the expected social and economic benefit to the area from a UCL development. from



Awards & Appointments

Awards, Medals and Prizes

Khalid Iqbal Lifetime Achievement Award:
Professor John Hardy
(UCL Institute of Neurology)

International Prize for Research in the Field of Basic & Clinical Neurosciences:
Professor Eleanor Maguire
(UCL Wellcome Trust Centre for Neuroimaging)

Lightmonger's Award:
Rachel Nicolls (MSc Light & Lighting)

Forum Prize:
Professor Susanne Kord
(UCL German)

European Grand Prize for Alzheimer's Research:
Professor John Hardy
(UCL Institute of Neurology)

India International Foundation Science Award:
Professor Alimuddin Zumla
(UCL Infection & Immunity)

Moseley Medal & Prize:
Dr Giovanna Tinetti
(UCL Physics & Astronomy)

Baker Medal:
Dr Dan Brett
(UCL Chemical Engineering)

Trevithick Fund Award:
Dr Catalina Spataru
(UCL Energy Institute)

Savage Award in Theory & Methods:
Dr Julien Cornebise
(UCL Statistical Science)

Best AUA Advocate:
Adam Cresswell
(UCL Bartlett)

NYSCF-Robertson Prize:
Professor Pete Coffey
(UCL Institute of Ophthalmology)

Biological & Biomedical Sciences Gold Award:
Talia Atkin (UCL Neuroscience, Physiology & Pharmacology)

Biological & Biomedical Sciences Silver Award:
Jay Stone (UCL Ophthalmology)

Outstanding Contribution to UK Bioprocessing:
Professor Mike Hoare
(UCL Biochemical Engineering)

Best PhD Honourable Mention
Dr Elisabete Cidre
(UCL Bartlett School of Planning)

Premier Award:
Professor Richard Allsop
(UCL Civil, Environmental & Geomatic Engineering)

David E. Rumelhart Prize:
Professor Peter Dayan
(UCL Gatsby Computational Neuroscience Unit)

Bellagio Centre Residency Award
Professor Yves Cabannes
(UCL Bartlett Development Planning Unit)

Lifetime Achievement TDr UeCL PhysiS Institute of Oph1 Tf()Tj/T10 1 Tf-0.055 Tw 0

Professor Phillip Béales
(UCL Institute of Child Health)

Professor David Hawkes
(UCL Medical Physics
& Bioengineering)

Professor Eleanor Maguire
(UCL Wellcome Trust Centre
for Neuroimaging)

Professor Andrew Phillips
(UCL Infection & Population
Health)

Professor Andrew Pömiankowski
(UCL Genetics, Evolution
& Environment)

Professor Martin Cripps
(UCL Economics)

Dr Ronan McCrea (UCL Laws)

Hashim Ahmed (UCL Surgery
& Interventional Science)

Professor Ofer Lahav
(UCL Physics & Astronomy)

Dr John Morton OBE
(UCL Institute of Cognitive
Neuroscience)

Dr Matthew Piper
(UCL Genetics, Evolution
& Environment)

Dr Nichola Raihani
(UCL Genetics, Evolution
& Environment)

Dr Christoph Salzmann
(UCL Chemistry)

Dr Simone Severini
(UCL Computer Science)

Dr Thomas Wills
(UCL Cell & Developmental
Biology)

Professor Mark Girolami
(UCL Statistical Science)

Professor Rick Battarbee: Emeritus
Professor of Environmental
Change, UCL Geography

Professor Bernard Buxton:
Emeritus Professor of Information
Processing, UCL Computer
Science

Mr Victor Chu: World Economic
Foundation Board

Dr Jane Collins: CEO of Great
Ormond Street Hospital
for Children

Baroness Jean Coussins:
Advocate for the teaching
of modern languages

Professor Janet Darbyshire CBE:
Joint Director of the UK Clinical
Research Network Co-ordinating
Centre, UCL Infection & Population Centre,
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UCL Bright Ideas Awards:
Brink, LearnBuddy, TagChats,
Circalit, Frame Medical,
Literary Kitchen

UCL Business Award:
Professor Mark Pepys
(UCL Medicine) for his
determination in pursuing the
development of three novel small
molecule targets

**UCL Knowledge Transfer
Partnership Award:**

Professorial Appointments

UCL Institute of Archaeology

Chair of Archaeological
Materials & Technologies:
Professor Ian Freestone

UCL Bartlett School of Architecture

Chair of Architecture
& Global Culture:
Professor Murray Fraser

Bartlett Chair of Architecture:
Mr Frédéric Migayrou

UCL Bartlett School of Planning

Chair of Urban Governance
& Development: Dr Mike Raco

Bartlett Chair of Planning:
Professor Fulong Wu

UCL Biomedicine

Chair of Medical Humanities
& Enterprise:
Professor Maurice Biriotti

UCL Developmental Science

Chair of Psychology:
Professor Charles Hulme

UCL Economics

Chair of Economics:
Professor Jan Eeckhout

UCL Engineering Sciences

Faculty Office Ui(44 TD[(UCL)37(Biomedicine)]TJ/T1_1 1 Tf()Tjn:4neeri2iogy:) Professor CharMr Frédéric Migayro0un

Dr Jean McEwan

UCL Cardiovascular Medicine

UCL Institute of Archaeology

Professor of Mesoamerican

Archaeology:

Dr Elizabeth Graham

Professor of African

Archaeology:

Dr Kevin Macdonald

Professor of Comparative

Archaeology:

Dr David Wengrow

**UCL Bartlett School
of Graduate Studies**

Professor of Urban

Form & Society:

Dr Laura Vaughan

UCL Cardiovascular Medicine

Professor of Clinical Education:

Dr Jean McEwan

**UCL Cell & Developmental
Biology**

Professor of Cell Signalling:

Dr Sandip Patel

UCL Chemistry

Professor of Chemistry:

Dr Jawwad Darr

Professor of Chemistry:

Dr Andrea Sella

UCL Institute of Child Health

Professor in Developmental

Biology & Genetics:

Dr Jane Sowden

Professor in Adolescent Health:

Dr Russell Viner

Dr Karen Radner

UCL History

UCL Cay

**UCL Civil, Environmental
& Geomatic Engineering**

Professor of Geographical

Information Science:

Dr Mordechai Haklay

**UCL Clinical, Educational
& Health Psychology**

Professor of Clinical

Psychology:

Dr Christopher Barker

Professor of Clinical

Psychology:

Dr Nancy Pistrang

Professor of Developmental

Psychopathology:

Dr Essi Viding

UCL Clinical Neuroscience

Professor of Clinical

Neuroscience:

Dr Thomas Warner

**UCL—CRUK Cancer Trials
Centre**

Professor of Epidemiology

& Medical Statistics:

Mr Allan Hackshaw

UCL Earth Sciences

Professor of Earth Materials:

Dr David Dobson

UCL Economics

Professor of Economics:

Dr Jerome Adda

**UCL Epidemiology
& Public Health**

Professor of Cognitive

Epidemiology:

Dr Marcus Richards

UCL Greek & Latin

Professor of Greek Literature

& its Reception:

Dr Miriam Leonard

Professor of Latin:

Dr Gesine Manuwald

UCL Haematology

Professor of Clinical

Haematology:

Dr Kwee Yong

UCL History

Professor of South East

European History:

Dr Catherine Bracewell

Professor of Ancient

Near Eastern History:

Dr Karen Radner

UCL Imaging Neuroscience

Professor of Imaging Science:

Dr John Ashburner

UCL Inflammation

Professor of Immunology:

Dr Claudia Mauri

UCL Information Studies

Professor of Archives &

Records Management:

Dr Elizabeth Shepherd

Professor of Digital Humanities:

Dr Claire Warwick

People

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UCL Officers

Visitor

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President & Provost

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Members of UCL Council

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Mr Michael Chessum

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Mr Rob Holden

Mr Mark Knight

Ms Catherine Newman

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Ms Katharine Roseveare

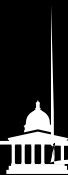
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