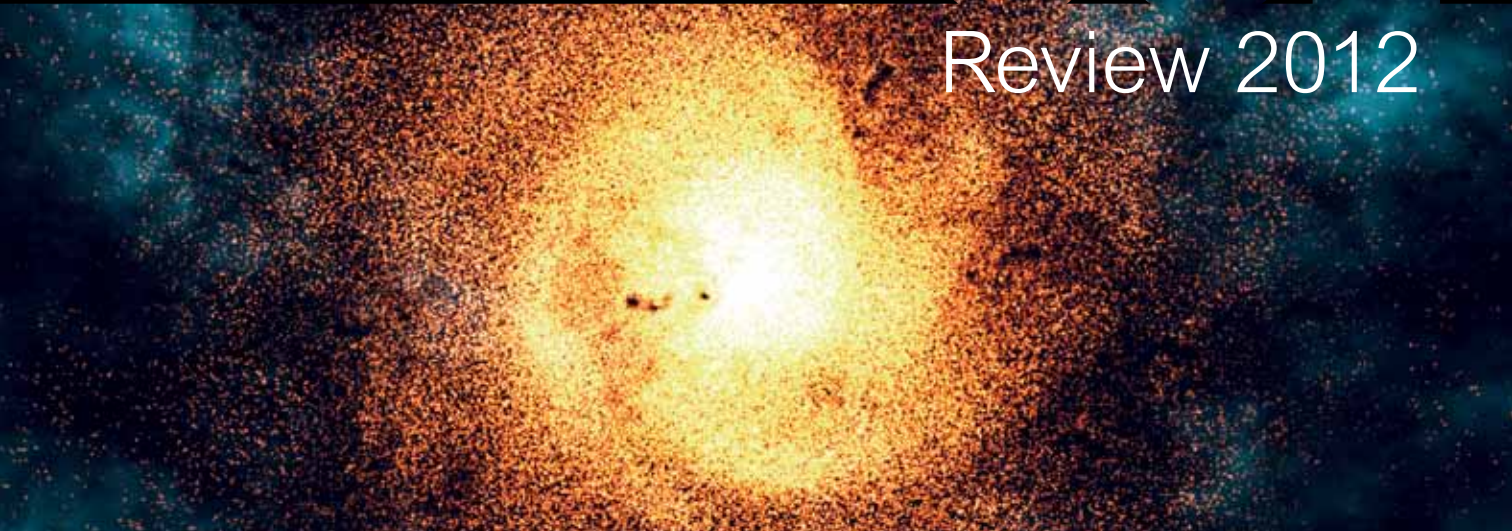


LONDON'S GLOBAL UNIVERSITY



UCL

Review 2012



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UCL – London’s Global University

Our vision

- An outstanding institution, recognised as one of the world’s most advanced universities and valued highly by its community of staff, students, alumni, donors and partners and by the wider community
- Providing an outstanding education to students from across the globe that imparts the knowledge, wisdom and skills needed by them to thrive as global citizens
- Committed to leadership in the advancement, dissemination and application of knowledge within and across disciplines
- Committed to achieving maximum positive social, environmental and economic benefit through its achievements in education, scholarship, research, discovery and collaboration
- Developing future generations of leaders in scholarship, research, the learned professions, the public sector, business and innovation
- Tackling global challenges with confidence
- As London’s global university, leading through collaboration across London and worldwide in the advancement of knowledge, research, opportunity and sustainable economic prosperity
- Operating ethically and at the highest standards of efficiency, and investing sufficiently today to sustain the vision for future generations.

Our values

- Commitment to excellence and advancement on merit
- Fairness and equality
- Diversity
- Collegiality and community-building
- Inclusiveness
- Openness
- Ethically acceptable standards of conduct
- Fostering innovation and creativity
- Developing leadership
- Environmental sustainability

It is my great pleasure to introduce this review of what has been a hugely successful year for UCL. At a time of acute financial challenge affecting all British universities, I am proud that we have succeeded so well in further enhancing our leadership in research excellence and global reach.



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 demand remains strong among highly qualified applicants for places at UCL, and our student numbers have remained steady. We are dedicated to ensuring the continuous improvement of the quality of the education that we offer all our students. We launched in 2012 a wholly new interdisciplinary undergraduate programme in arts and sciences – the BASc – and new courses in global citizenship and in entrepreneurship. Plans are well advanced for a new student centre adjacent to the Bloomsbury Theatre as a key project in the Bloomsbury Masterplan, a 10-year programme of rationalisation and new development to transform our estate.

The scope of our teaching and research was further enhanced by our successful merger in 2012 with the renowned School of Pharmacy of the University of London, allowing a joining of powerful forces in world-leading research focused on advancing and understanding medicines, and creating new ones.

I am also delighted to report the successful opening in the London Borough of Camden of the UCL Academy – the first secondary school in Britain to be wholly sponsored by a university, and a pioneer in educational partnership. It is housed in superb new buildings and will in due course have responsibility for more than 1,000 students.

Our international engagement is also expanding: 2012 saw the opening of our new postgraduate and research facility in Qatar and the further development of our campus in South Australia.

UCL research continues to address fundamental problems and to make real impact. There has been trailblazing work in the treatment of prostate cancer, the development of intestinal transplants, the health implications of urban planning, silicon memory chip technology and space science. The quality of UCL research is evidenced by success in winning grants. UCL is consistently one of the three highest-performing universities in Europe in awards of the prestigious starter and advanced grants of the European Research Council.

The UCL model is one as much of collaboration as of competition. We have joined forces with the BBC in a new strategic partnership to drive innovation and collaborate on

a wide programme of joint research and development activity. We have established with Cisco and DC Thomson an innovation hothouse – called IDEALondon – in London's Tech City to support the growth of start-ups.

UCL's continuing success brings its own problems. Even with the rationalisation envisaged in the Bloomsbury Masterplan, we do not have the space to locate major new research activity in Bloomsbury and anticipate that we will have reached capacity five years from now.

So we have been exploring opportunities to develop a new academic quarter in Stratford in east London, immediately adjacent to the Olympic Park, sharing its amenities and infrastructure and making a major contribution to the Olympic legacy. Our proposition has been endorsed by the London Borough of Newham and we are working closely with them to try to deliver an extremely complex scheme of urban regeneration that we believe will bring significant long-term benefits to this area of London.

The year was punctuated by the resounding success of the London 2012 Olympic and Paralympic Games. They were a timely reminder of London's stature and capacity as a truly global city, and the UCL community played its part – from medal-winning alumni to Games Makers, torchbearers and sports medicine.

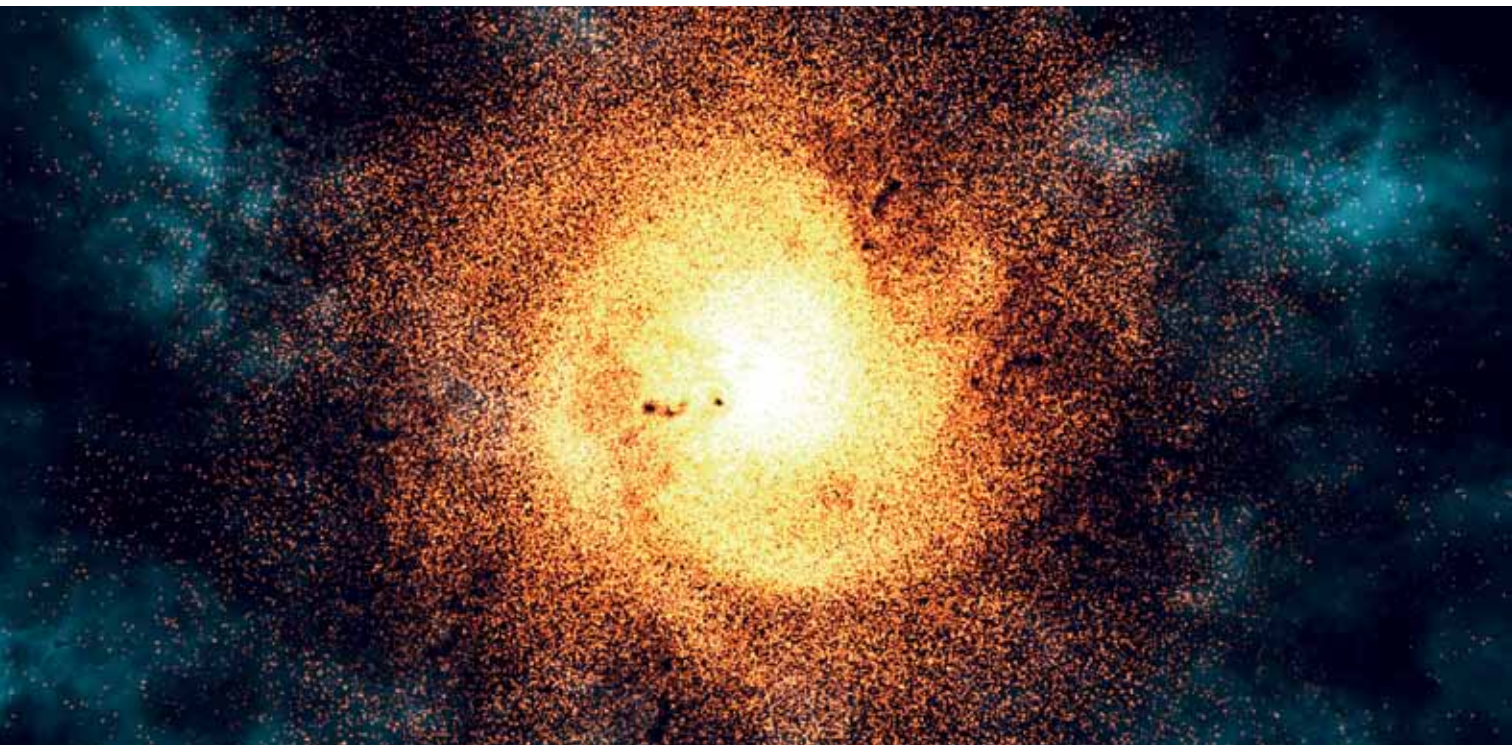
A personal note on which to conclude.

This review will be my last. I retire in September after 10 years in the role. I will do so with some sadness: this is absolutely the best job in higher education in the UK, and I have the deepest affection for UCL and for the ethos and the community that makes it such a superb institution. I am intensely proud of all the progress that we have made over the past decade and of the wonderful opportunity that will pass in September to my successor to take UCL to ever higher levels of achievement.

A handwritten signature in black ink, appearing to read 'Malcolm Grant'.

Professor Malcolm Grant

UCL President & Provost



It was a tremendous year for academic discovery, analysis and application at UCL; the small selection of examples on these pages reflects the vibrancy and diversity of achievement by the more than 4,000 members of our research community.

Individual researchers at the forefront of their disciplines form the core of our university. Yet it is what these curious, creative and insightful minds can achieve together – working across and beyond conventional disciplinary boundaries – that gives UCL its extraordinary potential to address complex and systemic problems of global significance.

In 2012, the UCL Institute for Sustainable Resources became the latest major cross-disciplinary centre to be established at our university, thanks in part to support from BHP Billiton, and represents one model to develop and advance novel understanding of critical issues. Another model is the series of UCL–Lancet commissions, the second of which issued its report, *Shaping Cities for Health: The Complexity of Planning Urban Environments in the 21st Century*, developed within the framework of the UCL Grand Challenge of Sustainable Cities. Following its publication, a series of sector-specific policy

Birds-eye view of a spiral galaxy

© Mr Awat Rahimi, Space & Climate Physics

briefings were developed, and targeted workshops with government, policymakers, practitioners and the research community provided an opportunity to bring together stakeholders to discuss the commission's findings. The project will continue in 2013, identifying new research paths and building relationships with new partners.

Finally, the first three UCL Public Policy commissions were established this year, on City Competitiveness, on the Green Economy and Communicating Climate Science. They represent another opportunity for UCL to draw on the breadth of its expertise in order to address urgent problems of major significance to contemporary society.

UCL is keen that its research and policy initiatives reflect the concerns of its external partners. Please contact us if you would like to explore how we can help you to make the world more prosperous, sustainable and equitable.



Professor David Price

UCL Vice-Provost (Research)

Focus on: space science

Dione's oxygen atmosphere

Professor Andrew Coates (UCL Mullard Space Science Laboratory) co-authored a study that found that Dione, one of Saturn's moons, has an exosphere containing oxygen. An international team made the discovery using combined data from the plasma spectrometer on the Cassini-Huygens spacecraft, which was designed and built at UCL.

Two wins on Solar Orbiter

UCL MSSL has been selected for major instrument contributions to Solar Orbiter, an ESA spacecraft that will travel very close to the Sun.

CubeSats Galore

UCL MSSL will provide the sensor suites for the EU funded 50 satellite strong QB50 mission, probably the most international collaboration of all time. The mission will study the Earth's lower thermosphere and one of the satellites will be UCLsat.

Public opinion on immigration more concerned with culture than economics

Public attitudes towards immigration policy are more influenced by cultural and social concerns than economic ones, according to new UCL research. Staff from the UCL Centre for Research & Analysis of Migration analysed the main factors that drive public opposition to immigration. The findings show that concerns about economic effects, such as wages and taxes, play only a minor role in explaining public opposition to immigration.

UCL Discovery surpasses two million

The total number of papers, reports and PhD dissertations downloaded from UCL Discovery, the university's open access repository, surpassed two million during September 2012. UCL Discovery, the UK repository with the largest number of records, contains more than 14,500 with access to full text. The two millionth to be downloaded was written by Professor Richard Blundell (UCL Economics). To mark the event, a bottle of champagne was sent to Professor Blundell from the Office of the UCL Vice-Provost (Research).

Climate geoengineering governance project

In May, Professor Catherine Redgwell (UCL Laws) was awarded £143,708 as co-investigator in a £1.3 million, two-year research project on climate geoengineering governance (CGG). The CGG project is a collaboration between the universities of Oxford, Sussex and UCL, that will advise on the ethical, legal, social and geopolitical implications of different geoengineering approaches. Geoengineering is the deliberate, large-scale intervention in the Earth's climate system in order to moderate global warming.

New silicon memory chip developed

UCL engineers have developed the first silicon oxide-based Resistive RAM (ReRAM) memory chip that can work in ambient conditions. Unlike other silicon oxide chips currently in development, the UCL chip does not require a vacuum to work, and is, therefore, potentially cheaper and more durable. ReRAM chips promise significantly greater memory storage than current technology, such as the flash memory used on USB sticks, and require much less energy and space.

Euclid jumps final hurdle

UCL MSSL will play a major role in the world's largest collaboration of astronomers, which will help to build the Euclid satellite. The project was adopted by the European Space Agency in June. Euclid will study the 'dark universe', tracing the distribution and evolution of enigmatic dark matter and dark energy throughout the universe.

Loopholes discovered in Sun's magnetic belt

An international team led by Dr Lidia van Driel-Gesztelyi (UCL MSSL) solved the mystery of how an electrically-charged solar wind can be unleashed from around the Sun's equator – an area where strong magnetic fields should strap it to the surface. The answer, is linked to 'null points', which are regions on the Sun where the magnetic field disappears altogether.

Record support for early career researchers

Researchers at UCL were awarded a total of 17 Starting Grants in September by the European Research Council (ERC), the highest number awarded at UCL under a single funding call to date. These grants have a total value of €21.6 million. The scheme aims to help European researchers to establish teams and develop their skills as independent research leaders. Applicants who can demonstrate their potential, both in developing ground-breaking research and leading projects, can benefit from long-term funding and support to help them progress their career.

Tuning the brain: how piano tuning may cause changes to brain structure

Wellcome Trust-funded scientists at UCL published a study in August showing that working as a piano tuner may lead to changes in the structure of the memory and navigation areas of the brain. Researchers used magnetic resonance imaging to examine how the brain structures of 19 professional piano tuners differed from those of 19 controls.



Caffeine crystals, Wellcome Images Awards finalist

© Annie Cavanagh and David McCarthy, UCL School of Pharmacy

Next generation of robotic surgeons

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 surgical systems to enable regular and flexible training opportunities in cutting-edge robotic and keyhole surgery. The centre is supported by the N Sethia Foundation, a UK-registered charity that enables medical research, responds to disaster appeals, celebrates the Hindu religion, promotes youth activities and helps to secure Britain's heritage.

Calendars in antiquity

Professor Sacha Stern (UCL Hebrew & Jewish Studies) has published a book that explores the role of calendars in ancient societies. Set and controlled by political rulers, calendars served as expressions of political power, mechanisms of social control and sometimes as assertions of political independence, or even of sub-culture and dissidence.

Cycling safer than driving for young people

A study led by Dr Jennifer Mindell (UCL Epidemiology & Public Health) have found that cycling is safer than driving for young males, with 17–20 year-old drivers facing almost five times greater risk per hour than cyclists of the same age. The team looked at hospital admissions and deaths in England between 2007 and 2009 for pedestrians, cyclists and drivers. Those most at risk using other modes of transport were men aged over 70 for cycling and women aged over 70 for walking. In general, fatality rates were substantially higher among men than women.

Minister announces £39 million investment during UCL Energy Institute visit

In November, the UCL Energy Institute hosted an announcement by the Minister for Energy & Climate Change of a £39 million investment in research supporting energy efficiency. The Rt Hon Gregory Barker MP announced the funding for five new research centres, including one at UCL, which will look into the complexities of energy use across society and provide insight into how energy can be saved.

Ageing population could boost economy

A report in April by the UCL School of Pharmacy (which merged with UCL on 1 January 2012) argues that older people are a benefit, rather than a burden, to society and the economy. The report, *Active Ageing: Live Longer and Prosper* provides evidence that the benefits of living longer will outweigh the additional health and social care costs of population ageing. By 2030, the report estimates that retired 'baby boomers' will contribute £80 billion to the economy.

Personalised feedback makes healthcare workers twice as likely to clean their hands

A major three-year trial led by researchers at UCL, in partnership with the Health Protection Agency, has shown that giving one-to-one feedback to healthcare workers makes them twice as likely to clean their hands or use soap. Carried out across 16 hospitals, the study showed that coupling feedback with personalised action planning improved hand-hygiene compliance by up to 18% and soap use by 30%. The main findings were presented at a national hand hygiene summit held by GovToday on 24 October.

Quantum bar magnets in a transparent salt

An international team co-led by the London Centre for Nanotechnology (LCN), have managed to switch on and off the magnetism of a new material – a transparent salt – using quantum mechanics. Professor Gabriel Aeppli, UCL Director of the LCN, said: "Understanding and manipulating magnetic properties of more traditional materials such as iron have long been key to many familiar technologies, from electric motors to hard drives in digital computers. While this may seem esoteric, there are deep connections between what has been achieved here and new types of computers, which also rely on the ability to tune quantum mechanics to solve hard problems, such as pattern recognition in images."



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 educational leadership across the school by identifying and developing innovative educational practice.

Forging successful partnerships with a range of institutions – including other universities, hospitals, schools, business and government – is central to our belief in maximising the social impact of our intellectual resources. We have expanded our Translational Research Office (TRO) to enhance the translation of UCL's research into therapies, techniques and medical products. The TRO led the successful UCL application for an MRC 'Confidence in Concept' award to accelerate our most promising drug discovery projects.

SLMS is integral to a number of important partnership initiatives. We are a founding partner of the Francis Crick Institute, an

Pathways of Thought

© Miss Jamie Kawadler, Institute of Child Health

ambitious project to create a £650 million world-leading centre of biomedical research and innovation in the heart of London by 2015. A pan-faculty team has been working with colleagues at the University of Oxford to establish the Centre for the Advancement of Sustainable Medical Innovation, which will address some of the major issues facing modern healthcare systems.

A new e-health research Centre of Excellence led by UCL has been established in London following an award of £4.3 million. Work here will combine electronic health records with other forms of research and data to unlock better healthcare. Finally, our Academic Health Science Centre, UCL Partners, has recently submitted an expression of interest and full prospectus to become an Academic Health Science Network serving a contiguous, direct population of six million people.

These partnerships, and the many others that SLMS is involved in, ensure that our work has a direct impact on the health and wealth of society.



Professor Sir John Tooke
UCL Vice-Provost (Health)

Focus on: stem cells

Step towards creating intestine transplant using patient's own cells

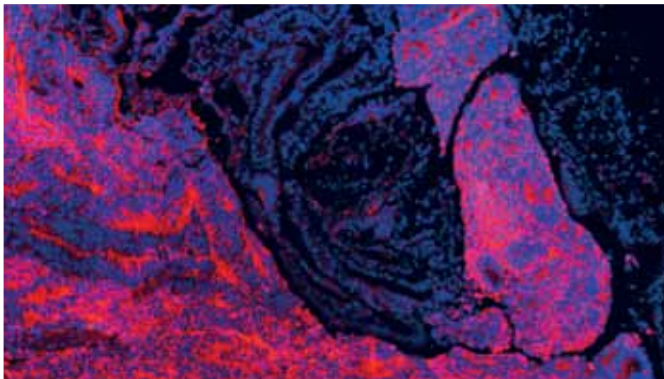
In February, doctors at the UCL Institute of Child Health took a major step towards engineering intestines that can be implanted without rejection. The technique, which involves stripping the organ of cells from a donor and rebuilding it using the recipient's stem cells, has been used successfully with other organs. The intestine is more difficult, because it is necessary to replicate the complex structure of the intestinal villi, but Dr Paolo de Coppi (UCL Institute of Child Health) and his team have demonstrated a technique in rats that has successfully replicated this complex structure.

Successful muscular dystrophy stem cell transplant

Stem cells from patients with a rare form of muscular dystrophy have been successfully transplanted into mice affected by the same form of dystrophy, it was announced in June. The technique was initially developed at the San Raffaele Scientific Institute of Milan, but was completed at UCL by Dr Francesco Saverio Tedesco (UCL Cell & Development Biology). It is hoped that, in the future, it will help treat patients with limb-girdle muscular dystrophy (a rare form in which the shoulders and hips are primarily affected) and, possibly, other forms of the disease.

Amniotic fluid yields alternatives to embryonic stem cells

Stem cells found in amniotic fluid can be transformed into a more versatile state similar to embryonic stem cells, according to a study published in July. Scientists from the UCL Institute of Child Health and Imperial College London succeeded in reprogramming amniotic fluid cells without having to introduce extra genes. The findings raise the possibility that stem cells derived from donated amniotic fluid could be stored in banks, providing a viable alternative to the limited embryonic stem cells currently available.



Amniotic fluid-derived stem cells on tumour

Dr Sayandip Mukherjee, Institute of Child Health

Europe's first research birth defects centre 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.

Global research team discovers new Alzheimer's risk gene

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.

The gene that can transform mild influenza into a life-threatening disease

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.

Potential new epilepsy treatment

Scientists from UCL and Royal Holloway have identified drugs that could offer a new treatment for epilepsy. Fatty acids have been identified that have potent anti-epileptic effects and could help control seizures in children and adults. Professor Matthew Walker (UCL Institute of Neurology) said: "Epilepsy affects more than 50 million people worldwide and approximately a third of these people have epilepsy that is not adequately controlled by our present treatments. This discovery offers a whole new approach to the treatment of drug-resistant epilepsies."

Regenerating skeletal muscle tissue

Scientists at the UCL Institute of Child Health have developed an innovative strategy for regenerating skeletal muscle tissue using cells derived from amniotic fluid. The research, published in June, shows that damaged muscle tissues can be treated with cells derived from the fluids that surround the foetus during development, leading to satisfactory regeneration and muscle activity. The study was funded by Great Ormond Street Hospital Children's Charity; Hopital Necker, Paris; and Cariparo and Città della Speranza in Italy.

Specific antibodies halt Alzheimer's

Antibodies have been identified that block the process of synapse disintegration in Alzheimer's disease, raising hopes for a treatment to combat early cognitive decline. Alzheimer's disease is characterised by abnormal deposits in the brain that induce the loss of neuron connections. Scientists discovered that specific antibodies that block the function of a related protein are able to completely suppress the toxic effect of the disease on synapses.



The Newlife Birth Defects Centre,
© UCL Medical Illustration Services

UCL joins School for Public Health Research

UCL is one of eight academic partners to form the newly established National Institute for Health Research (NIHR) School for Public Health Research in England. The school aims to increase the evidence base for effective public health practice by increasing the amount and quality of applied public health research, and creating an environment where first-class research can thrive. The UCL team will coordinate UCL's expertise in a wide range of areas, leading to joint research with partners at the school and beyond.

New infection and immunity research hub

Work began in November on a multi-million pound research centre that aims to give patients quicker access to the latest therapies. The Institute of Immunity, Infection & Transplantation, a partnership development between UCL and the Royal Free London NHS Foundation Trust, will see world-leading research and clinical trials being brought together in a purpose-designed centre at the Royal Free Hospital. The research will concentrate on developing vaccinations, gene therapy and cell therapy to target a wide range of diseases, as well as pioneering new types of transplantation.



Dr Hashim Ahmed (UCL Urology)
© Medical Research Council Image Archive

Ultrasound therapy for prostate cancer

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.

Toxic protein build-up in blood shines light on fatal brain disease

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 a blood test has been able to predict brain shrinkage in a neurodegenerative disease.



Reanimating cultural heritage in Sierra Leone exhibition

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 international staff.

The strategy also acknowledges the increasing competition in international higher education. It outlines how we can rise to the challenges this presents by revising governance arrangements for UCL's international activities; encouraging more staff

to consider secondments at our overseas operations; and attracting more top-quality international students and putting in place a plan for enhancing their experience at UCL.

UCL Qatar saw its very first cohort of 32 students from 13 different countries begin their studies. UCL Australia also had its second graduation ceremony for its MSc in Energy & Resources Management in December and launched its International Policy Institute. The first cohort of our MSc in Facilities & Environment Management, in conjunction with the building and construction authority in Singapore, finished their programme and will graduate in January 2013 at a ceremony in Singapore.

Our overseas locations are a profoundly strong means of extending the global reach of UCL's distinctive mission and the international strategy advocates establishing further institutional presences abroad, focusing on countries with rapidly developing economies.

I look forward to making substantial progress on this and the strategy's other aims throughout 2013.



Professor Michael Worton
UCL Vice-Provost (International)

Focus on: heritage

UCL Qatar welcomes first intake of 32 students

UCL Qatar welcomed its first students in 2012. UCL Qatar is a unique partnership between UCL, Qatar Foundation and Qatar Museums Authority, the first of its kind for a British university. It is part of Education City, an initiative promoting educational excellence in Doha, the capital city. The 32 students from 13 different countries are enrolled on three Master's programmes offered by UCL Qatar: MA Archaeology of the Arab & Islamic World; MA Museum & Gallery Practice; and MSc Conservation Studies.

Making historic Greek manuscripts accessible to all

Announced in November, a grant from the Stavros Niarchos Foundation will create an online digital library containing rare books and artworks related to Greek history and culture. For the first time, hundreds of key texts by the notable Greek mathematician Euclid, as well as copies of early Greek bibles and illustrations and plaster models created by John Flaxman, will be available to everyone. The material on the Digital Library website will be accompanied by information and commentary written by UCL academics to enhance engagement and understanding.

Bartlett student blog: what heritage means to us

To celebrate World Heritage Day, held on 18 April, postgraduate students from the UCL Bartlett Faculty of the Built Environment contributed their thoughts and images to a blog on the question of what heritage means to them. Topics included sustainable heritage and climate change, the creative reuse of redundant buildings and a look at the Old Town Square in Krakow as an example of sustainable heritage. All the contributors are studying on the MSc Sustainable Heritage and MRes Heritage Science courses at the Bartlett's Centre for Sustainable Heritage and come from an array of backgrounds and countries.

Reanimating cultural heritage in Sierra Leone

In January, UCL hosted a multimedia exhibition featuring films, images and cultural artefacts from Sierra Leone. 'Reanimating cultural heritage in Sierra Leone' explored the role that cultural heritage can play in reanimating post-conflict and developing societies. It is the culmination of a three-year research project funded by the UK's Arts & Humanities Research Council and led by Dr Paul Basu (UCL Institute of Archaeology). At the same time, the exhibition marked the launch of an innovative digital heritage resource, providing access to collections across a number of different museums in the UK and Sierra Leone.



Conservation at UCL Qatar

UCL Built Environment Clubs launched

In October, UCL launched its first two Built Environment Clubs (BECs) in Shanghai and Hong Kong. The BECs will help UCL develop significant academic and business networks in these and other Chinese regions. In addition to a core of UCL alumni from several faculties and departments, including the UCL Bartlett Faculty of the Built Environment and UCL Civil, Environmental & Geomatic Engineering, the BECs will also welcome others engaged in the built environment who are interested in networking opportunities in the region. UCL has strong ties to China, with five per cent of all Chinese students in the UK studying here.

French embassy funds postdoc workshops

The French embassy agreed funding for a series of UCL collaborative postdoctoral research workshops in September. It will provide more than €110,000 funding for three annual science and technology workshops over the next five years. Each workshop will accommodate up to 16 participants: half from UCL, the other half from a research institution in France. The call for the first proposals for workshops in the current academic year will be announced in 2013.



Dhrupad Karwa, student (UCL Economics)

UCL Engineering receives Grand Challenges Explorations funding

UCL Engineering announced in May that two members of staff will receive funding through Grand Challenges Explorations, an initiative created by the Bill & Melinda Gates Foundation that enables individuals worldwide to test unorthodox ideas that address persistent health and development challenges. Dr Tarit Mukhopadhyay (UCL Biochemical Engineering) and Professor Clare Elwell (UCL Medical Physics & Bioengineering) will pursue their innovative global health research projects, respectively titled 'Elimination of the cold chain with low-cost liquid viral vaccines' and 'Novel biomarkers of nutrition-related cognitive development'. Launched in 2008, more than 800 Grand Challenge Explorations grants have been awarded to innovative, early-stage projects in almost 50 countries, with grants of up to \$1million available.

World TB Day conference

This year, UCL held a special conference to mark World TB Day. 'Tuberculosis: local and global' took place on 24 March and was hosted by the UCL Institute for Global Health. Most of the day was devoted to addressing the key issues in TB control, with presentations on drug development, clinical trials, diagnosis and biomarkers, epidemiology, immunology and paediatric tuberculosis. The conference also marked the launch of 'Tuberculosis and TB/HIV: controversies and unanswered questions', a *Journal of Infectious Diseases* special supplement, co-edited by Professor Ali Zumla (UCL Centre for Clinical Microbiology).

Student novelist attends Jaipur Literature Festival

A UCL student and aspiring novelist travelled to the Jaipur Literature Festival, after the university awarded him the DSC Travel Grant for 2012. Dhrupad Karwa, who is studying towards a BSc in Economics, attended the five-day festival in January, where speakers included Richard Dawkins and Javed Akhtar, one of India's most renowned poets, lyricists and scriptwriters. Dhrupad is finishing his first novel, *The Tibetan Waiter*, which is written in verse and explores the relationship between western and eastern civilisations.

Residency for Sudanese poet

Sudanese poet Al-Saddiq Al-Raddi completed a residency at the UCL Petrie Museum for Egyptian Archaeology between July and October. This residency was organised through a partnership with the Poetry Translation Centre and funding from Arts Council England. Saddiq first visited the museum in 2005 and read his poetry again there in 2006 and in 2010. His poetry frequently reflects on ancient Sudanese cultures and he has produced a series of poems in response to the museum's Sudanese collections.

Google search behaviour linked to a country's GDP

Internet users' Google search behaviour is affected by their country's gross domestic product (GDP), according to a study by UCL Mathematics. A quantitative analysis of Google search queries found that people from countries with a higher per capita GDP are more likely to search for information about the future than information about the past. Professor Steven Bishop (UCL Mathematics), who co-authored the study, is currently coordinating a large-scale European project called FuturICT, to examine how we can use people's online behaviour to understand society.



Workshop in the UCL Bartlett's new facilities at the former Royal Ear Hospital

© Matt Clayton

One of the most interesting developments of my second year in post has been the massive rise of open online courses. Offered free of charge by elite US universities such as Stanford, Harvard and MIT, these courses present a significant institutional challenge and raise students' expectations of UCL's e-learning provision accordingly.

With this in mind, and in line with our desire for leading-edge excellence, we have launched UCL's first-ever E-Learning Strategy. Broadly, it aims to enhance the quality of e-learning provision in all disciplines; develop seamless technology both online and in physical learning spaces; pilot approaches to the opening and sharing of UCL's online educational resources; and improve the digital literacies of staff and students.

An admirable appetite for e-learning best practice already exists across UCL and to meet this, we launched the Teaching and Learning Portal in January. It provides learning-related resources and materials; explains a variety of teaching methods, both classroom-based and online; and allows UCL colleagues to communicate about teaching and learning via a virtual staffroom.

This year, we have also started producing a new online resource for students: the Higher Education Achievement Report. This electronic document combines the academic data of a traditional

degree transcript with verified information on a student's non-degree-related achievements, and will allow employers to compare graduates with ease, as the report is based on a template that will be used by all universities.

Of equal significance this year has been the introduction of higher tuition fees and UCL's obligations under our Access Agreement to devote more resources to encouraging students from disadvantaged backgrounds to come to the university.

So, it was extremely pleasing that UCL's Horizons outreach programme won in the Building Bridges category at the London Education Partnership Awards in June. Designed for students in Years 10 to 13 from non-selective state schools in inner London, it aims to provide stimulating academic programmes and higher education guidance from GCSE through to UCAS application.

There is much more work to be done in this area, but it is encouraging to see that firm foundations have already been made.



Professor Anthony Smith

UCL Vice-Provost (Education)

Focus on: mentoring

UCL Union launches language support for international students
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."

UCL Transition awards

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), Raphaella Gabrasadig (UCL Classics), Katie Lines (UCL History) and Rajpreet Sahota (UCL Classics). Transition Mentors are second year and above students who have been recruited to provide help and advice to first year students during their first term of the academic year. A Transition Mentor from last year, James Xi Xu, was named International Student of the Year for 2011 by the British Council.

UCL's outreach work wins award

UCL's Horizons outreach programme won in the Building Bridges category at this June's London Education Partnership Awards. UCL Horizons is a long-term outreach programme aimed at students in Years 10 to 13 from non-selective state schools in inner London. It aims to provide stimulating academic programmes and higher education guidance from GCSE through to UCAS application. It targets students who are most able, but least likely, to apply to university, and is aimed especially at those whose parents have not been to university.



Politics summer school 2012



UCL Horizons outreach programme

UCL staff and students explain how they would change the world

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.



Global Citizenship programme

Support for UCL undergraduate students from underprivileged backgrounds

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.

UCL and partners win PhD studentships

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, media, teaching and industry.

Post-exam Global Citizenship programme announced

This year, Professor Anthony Smith, Vice-Provost (Education), announced the creation of the Global Citizenship programme. The optional two-week course for undergraduate students will focus on UCL's four research Grand Challenges. It will offer students the chance to develop their ideas, skills and ambitions in ways that reflect the attributes UCL seeks to foster in its students, including critical and creative thinking, cultural sensitivity, entrepreneurship, and ethical and socially responsible behaviour.

New Teaching & Learning Portal

UCL launched its Teaching & Learning Portal in January 2012. It provides teaching and learning-related resources and materials, alongside advice on current issues. It also explains a variety of teaching methods, both classroom-based and online. The site has been created with three aims: to highlight the innovative teaching taking place across UCL through news stories and features; to provide teaching and learning-related resources and reference materials; and to allow users to communicate easily with each other around learning and teaching at UCL.

UCL Medical School ranked number one in London

UCL Medical School was ranked number one in London and joint fourth in the UK by the National Student Survey 2011. Achieving a student satisfaction score of 95%, the results show an impressive improvement in the Medical School's overall results. Areas scoring particularly well included the quality of the course, teaching, personal development and learning resources. In common with other medical schools featured, feedback on assessment scored the lowest, but this is something that UCL has targeted for continued development in future.

UCL student awarded child health prize for voluntary work in Zambia

A UCL medical student was awarded a prize for her work with HIV-positive children in Zambia in February. Anna Rose received the Tony Jackson Memorial Prize for 2011 from the Royal College of Paediatrics and Child Health. The prize encourages medical students and junior doctors to take up a career in paediatrics. Anna has visited Zambia a number of times while working for the Rainbow Trust Africa. Her prize was awarded for an essay looking at malnutrition in HIV-positive children.



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 Olympics, the major economic boost to the capital has been a continued focus on the digital and media hub of Tech City around Shoreditch. In December, the Prime Minister announced that UCL – along with partners Cisco and DC Thomson – had established IDEALondon, an innovation hothouse in Tech City to support the growth of start-ups.

This giant map of London's streets created by UCL spinout Space Syntax was transferred onto the Olympic stadium for the opening ceremony

© Space Syntax

UCL is rightly recognised as an international leading institution in enterprise, but we can do more. The great successes of UCL's enterprising community, reported in the news daily, are the result of the endeavour of the individual champions, the students and staff of UCL. They are a powerful illustration of our continued commitment to core values, to make a difference to society, which is at the heart of UCL's success as one of the world's truly leading universities.

Over the next five years, we aim to double our activities across the spectrum of enterprise, and with that will come transformational academic, reputational and financial benefits that are essential if UCL is to progress still further in its aspiration to become the world's leading university.



Professor Stephen Caddick

UCL Vice-Provost (Enterprise)

UCL to help establish Institute for Sustainable Connected Cities

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."

UCL wins contract to internationalise the internet

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.



LED lights by Old Bond, London

Prime Minister announces Cisco, DC Thomson and UCL Innovation Centre

In December, Prime Minister David Cameron announced IDEALondon, an innovation 'hot-house' established by UCL and partners Cisco and DC Thomson. IDEALondon will aim to support the growth of digital and media companies, in particular, the promising start-ups that have come to characterise the area around Old Street known as 'Tech City'. The project represents an initial three-year investment of £3.5 million by the three partners, who will also offer consultancy and mentoring programmes. In addition, UCL researchers will work in IDEALondon, drawing on UCL's world-leading research excellence to develop innovative new digital products and services.

UCL student's business rides to victory in *Dragon's Den*

UCL PhD student Art Stavenka and his business partner Kyril Chykeyuk secured £90,000 in funding for their business after appearing on BBC2's *Dragon's Den* in October. Their company, Old Bond London, uses strips of LED lights attached to bike wheels to create moving images. The technology allows them to create startling animations, providing an innovative new approach to outdoor advertising. The company took their first steps after Art received a UCL Bright Ideas Award. UCL Advances established the award in 2008 to bridge the gap that many new companies face when they have a great idea but are searching for their first funding.

New app Chirp enables data sharing with sound

In July, UCL spinout Animal Systems launched Chirp, an app that lets you share pictures with sound. Animal Systems originated in UCL Computer Science and was initially funded by a UCL Business. Their new app for iPhone and iPad produces digital audio designed to sound like birdsong, which transfers photos, notes and web-links to any Chirp-enabled device within listening distance. It is hoped that Chirp will help demonstrate that data can be sent from anything that makes a sound – including radios, public address systems and televisions – and collected by anything that can receive sound.

New internship scheme aims to benefit London's small businesses

UCL Advances has established a scheme to provide small, high-growth enterprises throughout London to benefit from an internship by a UCL graduate – fully funded by the university. Currently, students are paid £250 a week in a stipend by UCL to cover all their expenses, enabling the companies to benefit from their expertise and enthusiasm at minimal cost. Fifty-five students took part this summer, working across a range of industries.

Impact Acceleration Accounts launched

Vince Cable, the Secretary of State for Business, Innovation & Skills, announced the launch of Impact Acceleration Accounts, new funding to help universities apply their research in the real world. The funding will be used to enable businesses and other research users to engage with research projects at an earlier stage and also help more researcher staff to be seconded to businesses. UCL will receive £4.5 million worth of funding, the second highest of the 31 universities across the UK, which is being distributed through the Engineering & Physical Sciences Research Council (EPSRC).

BBC and UCL announce new strategic partnership

BBC Research & Development announced a new strategic partnership with UCL in November to drive innovation and collaborate on a wide programme of R&D activity. The venture will tackle the challenges for digital media and the creative industry at large. Over the next four years, the partnership will focus on an ambitious programme to advance state-of-the-art communications technologies, internet research, content production, user experience and access services. The outcomes will be shared with the wider industry.

UCL to launch world's biggest 'living lab' to support start-ups

UCL announced in August the launch of a new service for digital and media start-ups – the world's largest 'living lab' for entrepreneurs. Jointly funded by UCL and the EU's European Regional Development Fund, the project – UCL DECIDE – will see the university use its staff and student body as the world's largest closed community for testing and evaluating digital products in pre-commercial development. As part of this, UCL will develop a closed, university-only app store so that small and medium-sized enterprises will be able to test apps with staff and students, and act on their feedback to iron out glitches and bugs – giving them a better chance of success when they are released into the marketplace.

Fulbright Commission and UCL launch new scholarship

In April, the Fulbright Commission and UCL announced a new scholarship for UCL's MSc in Technology Entrepreneurship. The Commission – which promotes peace and cultural understanding through educational exchange – will initially offer the scholarship for the next four years, with one US student a year benefitting from the scheme. The scholarship, which will be known as the Fulbright–UCL Technology Entrepreneurship Award, includes a fee waiver of £20,000 and will enable American students to immerse themselves in London's leading entrepreneurial culture. The MSc in Technology Entrepreneurship has been running since 2005 and, in that time, enrolment has increased to the current intake of 63 students annually, drawn from countries as diverse as Bulgaria, Chile and China.



The BBC's Broadcasting House

© BBC



Highlights 2012



Oculus reopened

John Flaxman's sculpture *St Michael Overcoming Satan*, the centrepiece of UCL's Flaxman Gallery, was placed on a stunning glass pedestal as part of an extensive construction project to reunite the dome, the main library and the new Octagon Gallery at ground floor level.

© Matt Clayton

The oculus – the circular opening between the ground and first floors – was an original design feature by the building's first architect William Wilkins. The Octagon Gallery uses interactive touchscreen displays to allow users to learn more about the exhibits.



JANUARY

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.



FEBRUARY

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.



MARCH

Dickens's London

2012 marked 200 years since the birth of Charles Dickens. A panel debate in March by the UCL Institute for Risk and Disaster Reduction questioned how much London has really changed over the past two centuries. The panel consisted of UCL Quain Professor of English Rosemary Ashton, UCL Emeritus Professor of Climate Modelling Julian Hunt and Professor Jerry White (Birkbeck). Each of the panel had their own position in the debate, discussing the changing state of poverty, civil unrest and public health.



APRIL

Smart Cities open day

More than 350 members of the public attended the 'Smart Cities: Bridging Physical & Digital' open day on 20 April, hosted by the UCL Centre for Advanced Spatial Analysis (CASA). The full day of talks was accompanied by an exhibition displaying some of the visualisations that CASA has been creating to work with urban data. These included the Pigeon Sim, which allowed visitors to fly around London by flapping their arms in front of a Kinect system, and an interactive model of the London riots.

MAY

Healthy Cities commission

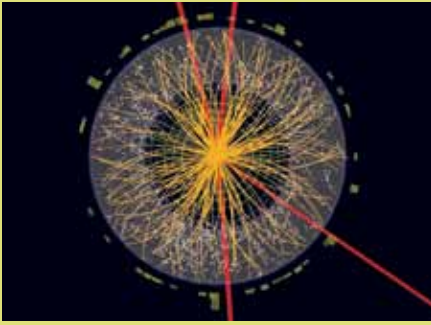
The UCL-Lancet Commission on Healthy Cities, published in May, explored the many issues that contribute to population health in a city environment. The proportion of the world's population that lives in cities has been steadily rising, so that three in five of all people globally will live in a city by 2030. The Healthy Cities Commission is a UCL Grand Challenge of Sustainable Cities project on the role that urban planning can, and should, play in delivering health improvements through reshaping the fabric of our cities. The project, led by Professor Yvonne Rydin (UCL Bartlett School of Planning) used specific examples from cities as diverse as Accra, Bogota, London and Toronto.



JUNE

Woven art installation on the portico

UCL's portico formed part of a striking art installation in June. Slade School of Fine Art student Nicolas Feldmeyer wove giant pieces of white fabric between its neoclassical columns as part of the school's 2012 MA/MFA Degree Show. Nicolas explained the thinking behind the installation: "From my first day at UCL, I was interested in this elegant and empty portico, finding it a dignified space full of potential, just waiting to be activated ... I knew the form, but couldn't say exactly where it comes from. It has to do with something very old and deeply human, with the archaic gesture of weaving and with a kind of architectural remembrance of past times – as if the portico were remembering where it came from, when huts were made of wooden posts and woven branches."



JULY
UCL physicists celebrate discovery of Higgs-like particle

Scientists at the Large Hadron Collider, including members from UCL's High Energy Physics Group working at the ATLAS experiment, discovered a particle consistent with the Higgs boson. Results were presented on 4 July 2012, showing a clear observation of a new particle decaying, as is predicted by the Standard Model Higgs boson. The Higgs is an unstable particle, living for only the tiniest fraction of a second before decaying into other particles, and positive identification is predicted to take some time. Professor Peter Higgs, who first proposed the particle's existence, was a lecturer at UCL in the 1950s.



SEPTEMBER
UCLTV reaches one million views

Digitally, UCL hit several important milestones including 10,000 followers on Twitter and one million video views on UCL's YouTube channel UCLTV, a feat achieved by very few other British universities. Since its creation in 2009, more than 250 videos have been uploaded to the channel, with some of the most popular including a dinosaur discovered by a UCL researcher and an uncannily accurate mini-lecture from 2010 predicting what a hung parliament in the forthcoming election would mean.



NOVEMBER
Jeremy Bentham scrubs up

In November, the UCL Teaching and Research Collections team arranged for the auto-icon of Jeremy Bentham to be removed from its box for cleaning. Regular cleaning is only one part of a programme for the long-term care of the auto-icon. The team are also monitoring the environment of the box for light, temperature, relative humidity and pests.



AUGUST
First student intake at UCL Qatar

UCL Qatar opened its doors in preparation for its first-ever intake of students. The campus, based in Education City, Doha, hosts 32 students from 13 countries studying one of three Master's programmes on offer: MA Archaeology of the Arab & Islamic World; MA Museum & Gallery Practice; and MSc Conservation Studies. UCL is the first British university to open a campus in Qatar and joins a number of the world's leading institutions. A number of academic staff from UCL's Institute of Archaeology have relocated to Qatar, as have four existing research projects of significance to the Gulf region.

OCTOBER
UCL Stratford project progresses

UCL Stratford – UCL's proposition to develop a new university quarter adjacent to the Olympic Park, bringing science, technology, education and research to the heart of Stratford – was formally accepted by the London Borough of Newham at a cabinet meeting in October. The decision gives a green light to UCL to continue work on developing proposals for the site. It is anticipated that, ultimately, it will lead to capital investment into the borough of more than £1 billion together with new employment and a permanent major boost to the local economy. The outline proposition for UCL Stratford envisages research and teaching activities, a hub for business collaboration, residential accommodation and the enhancement of educational opportunities across Newham.



DECEMBER
New Provost announced

Professor Michael Arthur, currently Vice-Chancellor of the University of Leeds, was announced as the new President & Provost of UCL. He will succeed Professor Malcolm Grant, who has led UCL since 2003 and will be stepping down in September 2013. Professor Arthur said: "It is a very great honour to be appointed as the next President and Provost of UCL, one of the world's leading universities. I admire the history and origins of UCL, and the continued focus on its founding principles and values. Malcolm Grant will be a very hard act to follow, but I look forward to rising to that challenge in leading London's global university."



Highlights 2012

© Dr James Cheshire and Mr Ed Manly (UCL, CASA and Civil Environmental and Geomatics Engineering)

London's multilingual tweets visualised

A map generated by UCL PhD student Ed Manly and academic Dr James Cheshire (UCL Centre for Advanced Spatial Analysis) illustrates the multilingual tweeting habits of Londoners between March and August 2012.

By geolocating and colour-coding by language, a map emerges showing the location and intensity of 3.3 million tweets. It shows 66 different languages, with Spanish being the most used language after English, closely followed by French, Turkish and Arabic respectively.



UCL has outstanding intellectual and cultural resources. A central part of our mission is to make these publicly accessible, and engage with our local community and London as a whole.

UCL has developed formal links with several schools in the capital in order to foster lasting educational results and aspirations. This year, our work in this area entered a new phase with the opening of the UCL Academy – the first in the UK to be solely sponsored by a university. The Academy is a new non-selective, mixed state secondary school in Swiss Cottage. Through it, UCL will help raise standards and invigorate the secondary curriculum, while our students will mentor and support pupils.

We want everyone who could benefit from a university education – especially those on our doorstep – to have the knowledge and inspiration to apply to UCL. As a result, the UCL Faculty of Laws and the UCL Bartlett Faculty of the Built Environment have announced financial support to encourage people from all backgrounds to apply to UCL.

Visitor in the Grant Museum of Zoology

© Matt Clayton

The wish to get involved with our local community is strong among our students and 2012 saw the numbers involved in volunteering continue to grow, with more than 1,500 students working on community projects across the capital, organised through UCLU's Volunteering Services Unit.

The resoundingly successful London 2012 Olympic and Paralympic Games demonstrated that London is a vibrant world city and there was considerable involvement from UCL staff and students – not only in terms of medal-winning alumni, but also Games Makers, torchbearers and speakers at Olympic-themed events on campus.



Christine Ohuruogu

© PA Photos



Rob Williams

© PA Photos



Paralympic sports taster day

© Kirsten Holst

Focus on: London 2012

London 2012 in the quad

Thousands of UCL students, staff, local residents and visitors came together this summer to enjoy the London 2012 Olympics, thanks to a big screen installed by UCL Estates in the Main Quad. With students alone coming from 150 different countries, UCL's international community had an athlete to support for almost every event, as they enjoyed the games together on the steps of the portico each day.

UCL students chosen to be Olympic torchbearers

Three UCL students were chosen to represent the university as part of Samsung's nomination programme for the London 2012 Olympic Torch Relay. Daniel Grant, Tom Traill and James Xu all carried the Olympic flame through east London on Sunday 22 July. Daniel Grant is European handball champion, Tom Traill founded the charity Food Cycle and James Xi Xu was named International Student Volunteer of the Year.

UCL alumni win silver

Two UCL alumni enjoyed sporting success at the London 2012 Olympics. Christine Ohuruogu (BA Linguistics 2005), who won a gold medal in Beijing 2008, won silver in the women's 400m. Rob Williams (BSc Biotechnology 2005), competing in his first Olympics, won a silver medal in the men's lightweight four rowing. Congratulations to both of them.

Paralympic sports taster day

A Paralympic Sports Taster Day was organised by the charity Aspire, with help from the Greatest Needs and Opportunities Fund and the Volunteering Services Unit at UCL. Seven UCL student volunteers were given training before running the activities at the Talacre Sports Centre in Camden. Attendees were given the chance to try out Boccia, as well as sitting volleyball and wheelchair basketball.

Iconic London map recreated for opening ceremony

UCL spinout company Space Syntax created the giant map of London's street network that formed an iconic part of the Olympic opening ceremony. The map – to advise on plans for new streets and public spaces in London – was spotted by the organisers in a book about the history of mapping in London. Based on mathematical analysis of street networks developed at UCL's Bartlett School of Architecture, the map forecasts how people will flow through new developments and how this leads to social and economic benefits such as safer public spaces, more successful shops and higher property values. See page 14 for a picture of the map.

New scholarship to tackle social mobility

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.

Bartlett announces studentships to tackle inequality

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 started their course in September 2012. The initiative is part of a bigger push at the Bartlett to widen participation in their degrees and encourage people from all backgrounds to consider a career in the built environment.

PM visits UCL Institute of Neurology

Prime Minister David Cameron visited the Dementia Research Centre at UCL in March as part of the government's pledge to double dementia research funding to £66 million by 2015. Mr Cameron visited the centre, part of the UCL Institute of Neurology, and spoke to clinicians and academics about their work, and to patients involved in UCL research. During the visit, he described dementia as "one of the greatest challenges of our time".



A superstudio in the UCL Academy

UCL scientists helping school students get to university

In2ScienceUK, a pioneering mentoring scheme that helps sixth-form science students from underprivileged backgrounds gain places at leading universities, nearly doubled its intake in 2012. The scheme matches gifted A-level science students with scientists from some of the UK's leading universities, giving them the opportunity to experience science research firsthand over a two-week summer placement. The scheme, led by UCL PhD student Rebecca McKelvey, offered 64 placements in 2012 and saw 80% of the previous year's students obtain a place at university to study science.

UCL Academy opens its doors

The UCL Academy opened its doors to Year 7 and 12 students in September. UCL is the sole sponsor of the academy, a non-selective, mixed state school, becoming the first and, so far only, English university to enter into this kind of relationship. The UCL Academy includes a number of state-of-the-art 'superstudios', groups of linked teaching spaces which encourage students to move between activities and to work collaboratively and across disciplines. The *London Evening Standard* described it as 'likely to match, or even outstrip, what's on offer at the country's most outstanding private schools'.

UCL hosts a celebration of all things green

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.

Buried Victorian anatomical teaching collection put on display

An exhibition in April at the UCL Grant Museum of Zoology displayed a selection of bones that were discovered by construction workers underneath UCL's quadrangle in 2010. The 7,394 fragments, 6,773 of which are human and represent at least 84 individuals, were buried around 100 years ago and are believed to be part of a Victorian teaching collection. One early theory was that the site was a 14th century plague pit, however, the UCL forensic team were able to date the burial of the specimens more accurately using a Bovril jar that was found among the bones.

UCL medics run Save a Baby's Life course

The number of UCL students involved in volunteering continued to grow in 2012, with more than 1,500 working on community projects across London. One such project is 'Save a Baby's Life', led by UCL medical students Avni Hindocha, Finola Brooke-Williams, Amy Kang and Rosie Ghui. They ran child lifesaving courses for 90 parents on low incomes in Camden, working in partnership with organisations such as Castlehaven Community Association, West Euston Partnership, Somers Town Community Association and Kids Unlimited. In total, 52 student volunteering projects were supported by UCLU's Volunteering Services Unit this year.



Gardening during Green Week

UCL's History of Art department stars in BBC One documentary

UCL's History of Art department made two separate appearances in September on *Fake or Fortune?*, a BBC One programme investigating the stories behind paintings. Libby Sheldon, who recently retired as Director of the UCL Painting Analysis Unit, helped art historian Philip Mould expose a possible painting by Baroque artist Sir Anthony van Dyck. In another episode, PhD student Kathleen Froyen analysed the chemical make-up of paint used for what was confirmed to be a painting by Degas.

UCL student undertakes an ultra-triathlon for lung cancer

UCL PhD student Jim Brown took part in a continuous ultra-triathlon from Marble Arch to the Arc de Triomphe to raise money for charity. Jim and the rest of the team ran 90 miles from London to Dover, from where they swam the 21 miles of the English Channel, before finally cycling 180 miles to Paris. They raised more than £16,000 for the Lungs for Living charity, set up by Dr Sam Janes (UCL Centre for Respiratory Research).

UCL Chemistry students wow Year 8 pupils

In September, 70 Year 8 pupils arrived at UCL Chemistry for a demonstration workshop, a tour of the university and a question and answer session on what it is like to study science. Students from Oasis Academy Enfield and Overton Grange Sutton took part in a wide range of activities, from making models of diamonds to working out how soap molecules clean grease. The demonstrations, all prepared by UCL Chemistry students, were developed to be taken into schools as part of the department's outreach efforts to enthuse and excite children using the science around them



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

The Octagon Gallery

© Matt Clayton

Newham, is well underway. Meanwhile, our excellent team in Development & Alumni Relations has contributed to the early achievement of our £300 million campaign target, with plans for the next campaign in development.

The development of the Octagon Gallery offers UCL a wonderful new showcase for the rich resources managed by the Museums & Public Engagement team. The year also saw the completion of the SMART IT programme in ISD, which will enable us to invest more of our IT resources in direct support for learning, teaching and research.

Summer 2012 saw us bid farewell to our Director of Finance and Business Affairs, Alison Woodhams. Alison did a great job in leading improvements in systems and processes and UCL's financial management, leading to the generation of funds for investment that will help to secure our future. We were delighted to welcome Phil Harding from City University as her successor.



Rex Knight

UCL Vice-Provost (Operations)



The new UCL Institute of the Americas

First steps in the Bloomsbury Masterplan

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.

New professional development programme

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 grant writing, networking skills, time management and personal effectiveness. Overall, the programme offers more than 50 courses to UCL staff, completely free.

New research IT Services department and ISD restructure

UCL's Information Services Division (ISD) is undertaking a major programme to transform the university's IT services. Smart IT aims to extend and improve IT services for research, learning and teaching; improve and standardise common shared services; and improve the efficiency and effectiveness of ISD. UCL's IT strategy has been updated and a major new staff training and development programme has been introduced. This will provide staff with the skills and capability needed to use new technologies.



QRator in use at the Grant Museum

Museum and heritage award

The UCL Grant Museum of Zoology won the Innovation Award at the annual Museums and Heritage Awards ceremony. The museum was awarded for its QRator: Visitor Participation Through Social Interpretation project. QRator allows visitors to type their reactions to museum pieces on tablet computers. Their comments are then posted next to the objects, becoming part of the display itself. The award's judging panel praised QRator for "[encouraging] participation within museums but also, importantly ... maintaining that participation beyond the walls of the museum when visitors have returned home."

Outreach and access measures

UCL's new Access Agreement with the Office for Fair Access came into force in 2012. In order to be able to charge £9,000 tuition fees, UCL has committed to spending 30% of its additional fee income on access measures to ensure traditionally under-represented groups are encouraged to apply to UCL. These have included residential summer schools in medicine, biosciences and foreign languages, allowing UCL to interact with students beyond London and the South East, and for UCL students to mentor and tutor university applicants.

Stonewall success

For the third year running, UCL has been recognised by gay rights charity Stonewall as one of six UK universities that have scored top marks in their 2013 *Gay By Degree* guide for lesbian, gay and bisexual prospective students. Stonewall's Head of Education, Wes Streeting, commented: "It's hugely important for gay school leavers to be able to look for universities where they can be themselves. By supporting their gay students and staff so effectively, UCL helps make sure all students really do have a great start to their adult lives."

Sustainability strategy publication and EcoCampus silver medal

This year, UCL was awarded an EcoCampus silver medal in recognition of its work in reducing carbon emissions, minimising waste, using sustainable resources and minimising water use. In the past six years, the university's carbon emissions have reduced by three per cent (while student numbers have increased by 29%) and more than 60% of rubbish was recycled. UCL will now work towards achieving a gold medal by, among other things, undertaking a full analysis of the university's carbon footprint.

Appointment of Phil Harding

Following an extensive recruitment process, UCL appointed Phil Harding as the university's new Director of Finance & Business Affairs in April. Mr Harding has an excellent track record in a range of organisations in both the public and private sectors, including the NHS. His previous role was as Director of Finance at City University. He takes over following the retirement of Alison Woodhams, who had been at UCL since 2007.

UCL and Raindance Film Festival announce short film competition

In November, UCL launched a short film competition in conjunction with the Raindance Film Festival. The competition's theme was 'London for free', which is part of a campaign to show people that London does not have to be expensive and, in line with this principle, the films did not need to be produced with high-end equipment. Prizes included a £300 Jessop's voucher and a place on a Raindance training course, and all entries were showcased on UCL's YouTube channel, UCLTV. Winners included a video of two glove puppets enjoying a free day around London.

Prospectus redesign and digital developments growth in 2012

It was a landmark year for external communications at UCL in 2012. Publication & Marketing Services completed a fundamental redesign of the undergraduate and postgraduate prospectuses, with particular focus on improving UCL's student information provision – a commitment UCL made as part of its Access Agreement. Digitally, UCL hit several important milestones including 10,000 followers on Twitter and one million views on UCL's YouTube channel UCLTV, a feat achieved by very few other British universities.

Operations

Focus on: Fundraising

Campaign for UCL exceeds £300 million

In May, and two years ahead of schedule, UCL announced the closure of the fundraising campaign it launched in 2004, having exceeded its £300 million target.

The Campaign for UCL is the largest UK campaign to close outside the universities of Oxford and Cambridge. A range of projects were supported through philanthropy during the eight years of the campaign, including UCL neuroscience research, the UCL Cancer Institute, the Denys Holland Lecture Theatre in the Faculty of Laws and UCLU's Lewis's Building.

A recent fundraising initiative saw UCL's Development & Alumni Relations Office launch an innovative appeal with the distribution of hundreds of paper lanterns designed to look like Jeremy Bentham's head, challenging alumni and friends to ask "what Jeremy would do?" in this time of financial need. The appeal has generated great interest in the media, as well as much-needed funds for UCL.



UCL Cancer Institute



George Farha Café, UCLU Lewis's Building



Denys Holland Lecture Theatre, UCL Laws

Reports and financial statements for the year ended 31 July 2012

FINANCIAL HIGHLIGHTS 11/12

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

Awards & Appointments

Awards, Medals and Prizes



Dr Meera Parish



Professor Alwyn Seeds



Professor Mark Handley



Professor Volker Sommer

Awards & Appointments

Alexander von Humboldt Foundation

Humboldt Research Award:
Professor Geoff Thornton
(UCL Chemistry)

American Academy of Paediatrics

Ladd Medal:
Professor Lewis Spitz
(UCL Institute of Child Health)

American Chemical Society

John William Draper Medal:
UCL Chemistry Department

British Academy

President's Medal:
Professor Lisa Jardine
(UCL Centre for Editing Lives
& Letters)

Serena Medal:

Professor Richard Bellamy
(UCL Political Science)

British Pharmacological Society

Gaddum Memorial Medal:
Professor Trevor Smart
(UCL Neuroscience, Physiology
& Pharmacology)

British Tinnitus Association

Marie & Jack Shapiro Prize:
Dr Roland Schaette and
Professor David McAlphine
(UCL Ear Institute)

European Academy for Allergy & Immunology

Claus von Pirquet Award:
Dr Glenis Scadding
(UCL Ear Institute)

European Physical Society Condensed Matter Division

Europhysics Prize:
Professor Steven Bramwell
(UCL Physics & Astronomy)

European Respiratory Society Research Award:

Dr John Hurst
(UCL Academic Unit of
Respiratory Medicine)

Institute of Physics

Gabor Medal:
Professor Alwyn Seeds
(UCL Electronic & Electrical
Engineering and UCL London
Centre for Nanotechnology)

Maxwell Medal and Prize:

Dr Meera Parish
(UCL London Centre for
Nanotechnology)

International Association for the Study of Pain

Patrick D Wall Young
Investigator Award:
Dr Giandomenico Iannetti
(UCL Neuroscience, Physiology
& Pharmacology)

International Balzan Prize Foundation

Balzan Prize:
Professor Ronald Dworkin
(UCL Laws)

Institute of Electrical & Electronics Engineers

Internet Award:
Professor Mark Handley
(UCL Computer Science)

International Genetically Engineered Machines (iGEM)

Synthetic Biology Competition
Gold:
Plastic Republic team
(UCL Advanced Centre for
Biochemical Engineering)

International Society for Magnetic Resonance In Medicine

British Chapter MRI Prize:
Dr Jack Wells and Isabel Christie
(UCL Centre for Advanced
Biomedical Imaging)

Mansfield Prize:

Dr Simon Walker-Samuel
(UCL Centre for Advanced
Biomedical Imaging)

IPSEN Foundation

Neuropsychology Prize:
Professor Cathy Price
(Wellcome Trust Centre
for Neuroimaging at UCL)

Karolinska Institutet Sweden Annual Science Prize and Lecture:

Professor Ali Zumla
(UCL Infection & Immunity)

Medical Research Council

Centenary Award:
Dr Frances Rice
(UCL Division of Psychology
& Language Sciences)

North of England Zoological Society

Gold Medal:
Professor Volker Sommer
(UCL Anthropology)

Origin of Life Challenge Co-winners:

Dr Matt Powner (UCL Chemistry)
with John Sutherland (MRC
Laboratory of Molecular Biology)

Qatar National Research Fund Research Fund Awards:

Dr Rob Carter (UCL Qatar)
Professor Thilo Rehren (UCL Qatar)

Royal Academy of Engineering Leadership Advanced Award:

Alexa Bruce
(UCL Environmental Engineering)
Giulio Ferrini
(UCL Environmental Engineering)

Fellowships



Professor May Cassar



Dr Hiranya Peiris



Professor Mohan Edirisinghe



Professor Anthony Finkelstein

Royal Astronomical Society

Chapman Medal:

Professor Andrew Fazakerley
(UCL Space & Climate Physics)

Fowler Award:

Dr Hiranya Peiris
(UCL Physics & Astronomy)

Royal Institute of British Architects

President's Award for Outstanding Practice-located Research:

The Environmental Design Pocketbook by Sofie Pelsmakers
(UCL Energy Institute)

Royal Warrant Holders Association

Plowden Medal Conservation Award:

Professor May Cassar
(UCL Bartlett)

SET for Britain

Gold (Chemistry):

Dr Matthew Powner
(UCL Chemistry)

Silver (Biological Sciences):

Renata Gomes (UCL Medicine)

TargetJobs Undergraduate of the Year

Accountancy & Economics:

Shabbir Merali (UCL Economics)

WellChild

Researcher of the Year:

Professor Carol Dezateux
(UCL Institute of Child Health)

Wellcome Images

Image Award:

Robert Ludlow
(UCL Institute of Neurology)

Women in the City

Woman of Achievement Award

(Medicine/Healthcare):
Professor Jane Dacre
(UCL Medical School)

Worshipful Society of Apothecaries

William Farr Medal:

Professor Mark Emberton
(UCL Urology)

UK Biomaterials Society

President's Prize:

Professor Mohan Edirisinghe
(UCL Mechanical Engineering)

University Consortium for Geographic Information Science

Research Award:

Professor Michael Batty
(UCL Centre for Advanced Spatial Analysis)

University of Wales

Dylan Thomas Prize:

The Spider King's Daughter
by Imachibundu Onuzo
(MSc Public Policy)

Academy of Medical Sciences

Professor Michael Häusser
(Wolfson Institute for Biomedical Research at UCL)

Professor Marie-Louise Newell
(UCL Institute of Child Health)

Professor Kathy Pritchard-Jones
(UCL Partners & UCL Institute of Child Health)

Professor Sophie Scott
(UCL Institute for Cognitive Neuroscience)

Professor Jane Wardle
(UCL Institute of Epidemiology & Health Care)

Association for Psychological Science

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

British Academy

Professor Chris Brewin
(UCL Psychology & Language Science)

Professor Chris Carey
(UCL Greek & Latin)

Professor Julian Hoppit
(UCL History)

Professor Bencie Woll
(UCL Deafness, Cognition & Language Research Centre)

Awards & Appointments

Honorary Doctorates, Fellowships, Lectureships and Senior Investigatorships



Professor Ray Dolan



Alan Hollinghurst



H.E. Sheikh Mohamed Bin Issa
Al Jaber



Professor Patricia Woo

Honorary Fellowships

American College of Surgeons

Honorary Fellow:
Professor Lewis Spitz
(UCL Institute of Child Health)

British Science Association

Honorary Fellow:
Professor Andrea Sella
(UCL Chemistry)

Institute of Physics

Honorary Fellow and
Cockcroft-Walton Lectureship:
Professor Sir Michael Pepper
(London Centre for
Nanotechnology)

Honorary Doctorates

University of Gothenburg

Honorary Doctorate in Medicine
Professor Stephen Porter
(UCL Eastman Dental Institute)

Wellcome Trust

Senior Investigators:
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), Bangladesh
Gastroenterology Society

Professor John Morton OBE
Honorary Member, UCL Institute
of Cognitive Science and former
Director, MRC Cognitive
Development Unit

Charles Peebles
Conductor and Music Director,
UCL Union and University
College Opera

Dr Lorna Wing
Founding Member, National Autistic
Society; Consultant Psychiatrist,
the NAS Lorna Wing Centre
for Autism

Professor Patricia Woo
Emeritus Professor of Paediatric
Rheumatology, UCL Medical
Sciences

Presidencies, Directorships, Chairs and Editorships



Dr Nora Pashayan

Academy of Royal Medical Colleges Chair

Professor Terence Stephenson (UCL Institute of Child Health)

Department for Business, Innovation & Skills Director General of Knowledge & Innovation

Professor Sir John O'Reilly (UCL Electronic & Electrical Engineering)

Memberships



Dr Anna Holin

Academia Europaea Professor Sir Michael Pepper (UCL Nanotechnology)

Professor Dmitri A Rusakov (UCL Institute of Neurology)

Professor Lars Stixrude (UCL Earth Sciences)

European Committee for Treatment and Research in Multiple Sclerosis

Honorary Membership Professor Alan Thompson (UCL Brain Sciences)

American Academy of Arts & Sciences

Professor Gabriel Aeppli (UCL Physics & Astronomy)

Academy of Social Sciences

Professor Paul Higgs (UCL Brain Sciences)

European Association for Architectural Education

Council Member Professor Murray Fraser (UCL Bartlett School of Architecture)

Science & Technology Facilities Council

Board Member Professor David Price, Vice Provost (Research)

Royal, National and International Honours

Queen's Counsel honoris causa
Professor Dawn Oliver (UCL Laws)

Queen's Birthday Honours
Honorary Dame Commander of the British Empire

Professor Uta Frith (UCL Institute of Cognitive Neuroscience) for services to clinical science

Order of the British Empire
Anne Bulford (UCL Treasurer) for services to broadcasting

New Year's Honours

Knights Bachelor
Professor Sir Mark Pepys (UCL Medicine) for services to biomedicine

Commander of the Order of the British Empire (CBE)
Professor Clare Fowler (UCL Institute of Neurology) for services to uro-neurology

Dr Eileen Vizard (UCL Mental Health Sciences Unit) for services to children and young people

Russia
Order of Friendship
Professor Hiroshi Oda (UCL Laws)

Zambia
Commander of the Order of Distinguished Services – first division

Professor Ali Zumla (UCL Infection & Immunity) for his contribution to the fight against TB, HIV/AIDS and other related diseases

Research Fellowships

Harvard University Radcliffe Institute Fellowship
Dr Katherine Ibbett (UCL French)

IChemE and the North East of England Process Industry Cluster Ashok Kumar Fellowship
James Lawrence (UCL Biochemical Engineering)

Engineering & Physical Sciences Research Council Manufacturing Fellowship
Dr Ajoy Velayudhan (UCL Biochemical Engineering)

Cancer Research UK Clinical Scientist Fellowship
Dr Nora Pashayan (UCL Epidemiology & Public Health)

Royal Society Industry Fellowship
Professor Mark Maslin (UCL Geography)

Professor Vincent Walsh (UCL Institute of Cognitive Neuroscience)

Royal Society University Research Fellowship
Dr Christopher Arridge

Dr Lucinda Green (UCL Physics & Astronomy)

Dr Andrew Pilkington

Dorothy Hodgkin Fellowship
Dr Anna Holin (UCL Physics & Astronomy)

Professorial Appointments



Professor Piet Eeckhout



Dr Mark Miodownik



Professor Margot Finn



Dr Ben McFarlane

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

Chair of British Later Pre-history
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

Ramsay Memorial 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 Community Child Health
Dr Monica Lakhnypaul

UCL Centre for Computational Statistics & Machine Learning

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 Ruysevelt

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 Ibrahim Abubakar

UCL Centre for Interdisciplinary Research in the Humanities

Chair of Renaissance Studies
Professor Lisa Jardine

UCL Language & Communication

Chair of Acquired Disorders
of Language Communication
Professor Rosemary Varley

UCL Laws

Chair of Law
Dr Ben McFarlane

Chair of Law
Professor Piet Eeckhout

Chair of Law & Professional Ethics
Professor Richard Moorhead

UCL Institute for Liver & Digestive Health

Sheila Sherlock Chair of Hepatology
Professor Massimo Pinzani

UCL Management Science & Innovation

Chair of Organisational Behaviour
Professor Martin Kilduff

UCL Institute of Orthopaedics & Musculoskeletal Science

Chair of Academic Clinical
Orthopaedics
Dr Alister Hart

UCL Neuroscience, Physiology & Pharmacology

Chair of Quantitative Neuroscience
Dr Kenneth Harris

UCL School of Pharmacy

Chair of Medicinal Chemistry
Professor Paul Fish

UCL Institute for Risk & Disaster Reduction

Chair of Risk & Disaster Reduction
Professor David Alexander

UCL Statistical Science

Chair of Statistics
Professor Patrick Wolfe



Dr Tao Cheng



Dr Amit Nathwani



Dr David Gems



Dr Serena Viti

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 Korner

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 Bitner-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 Sebastien 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 Oppenheim

Professor of Astrophysics
Dr Serena Viti

UCL Science & Technology Studies

Professor of History and Philosophy of Biology
Dr Joseph Cain

UCL School of Slavonic & East European Studies

Professor of Russian History
Dr Susan Morrissey

UCL Security & Crime Science

Professor of Security & Crime Science
Dr Kate Bowers

UCL Space & Climate Physics

Professor of Astrophysics
Dr Mathew Page

UCL Structural & Molecular Biology

Professor of Molecular Biophysics
Dr Finn Werner

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 (people, not positions)	13,772	11,087

UCL Officers

Visitor
The Master of the Rolls

President & Provost
Professor Malcolm Grant

Members of UCL Council:

Lay Members:
Ms Anne Bulford
(Treasurer to 30/09/12)
Ms Philippa Foster-Back
Mr Rob Holden (to 30/9/12)
Mr Mark Knight
Mr Simon Melliss (from 01/01/12)
(Treasurer from 01/10/12)
Ms Catherine Newman
(to 30/09/11)
Mr Ven Balakrishnan (from
01/01/12)
Ms Vivienne Parry (Vice-Chair)
Ms Katharine Roseveare
Dr Gill Samuels
Professor Chris Thompson
Sir Stephen Wall (Chair)
Baroness (Diana) Warwick
Lord Clement Jones
(from 01/01/12)

Academic Members:
Professor David Attwell
Dr Robert Barber
Professor Malcolm Grant (Provost)
Dr Benet Salway (to 30/9/12)
Dr Stephanie Schorge
Professor Nick Tyler
Professor Maria Wyke
Dr Sarah Snyder (from 01/01/12)

UCL Union:
Mr Luke Durigan (to 31/07/12)
Mr Edwin Clifford-Coupe
(from 01/08/12)
Mr Timothy Rees Jones
(to 31/07/12)
Ms Natasha Gorodnitski
(from 01/08/12)

Vice-Provosts

Education
Professor Anthony Smith

Enterprise
Professor Stephen Caddick

Health
Professor Sir John Tooke

International
Professor Michael Worton

Operations
Mr Rex Knight

Research
Professor David Price

Pro-Provosts

The Americas
Professor Alejandro Madrigal

China
Professor Z Xiao Guo

South & Southeast Asia
Professor Nick Tyler

Deans of Faculties

Arts and Humanities
Professor Jonathan Wolff

Brain Sciences
Professor Alan Thompson

Built Environment
Professor Alan Penn

Engineering Sciences
Professor Anthony Finkelstein

Laws
Professor Dame Hazel Genn

Life Sciences
Professor Mary Collins

**Mathematical and Physical
Sciences**
Professor Richard Catlow

Medical Sciences (Interim)
Professor Jean McEwan

Population Health Sciences
Professor Graham Hart

Social and Historical Sciences
Professor Stephen Smith

UCL Officers

Vice-Provost (Operations)
Mr Rex Knight

Director of Bloomsbury Theatre
Mr Peter Cadley

Director of Careers Service
Ms Karen Barnard

**Director of Communications
& Marketing**
Mr Mark Sudbury

**Director of Development
& Alumni Relations**
Mrs Lori Manders

Director of Estates
Mr Andrew Grainger

**Director of Finance
& Business Affairs**
Mr Phil Harding

Head of Graduate School
Professor David Bogle

Director of Human Resources
Mr Nigel Waugh

Director of Information Services
Dr Mike Cope

Director of Library Services
Dr Paul Ayriss

**Director of Museums
and Public Engagement**
Ms Sally MacDonald

**Director of Registry & Academic
Services**
Mr Tim Perry

Director of Research Planning
Dr Andrew Clark

Dean of Students (Academic)
Professor Michael Ewing

Dean of Students (Welfare)
Dr Ruth Siddall

Review 2012

