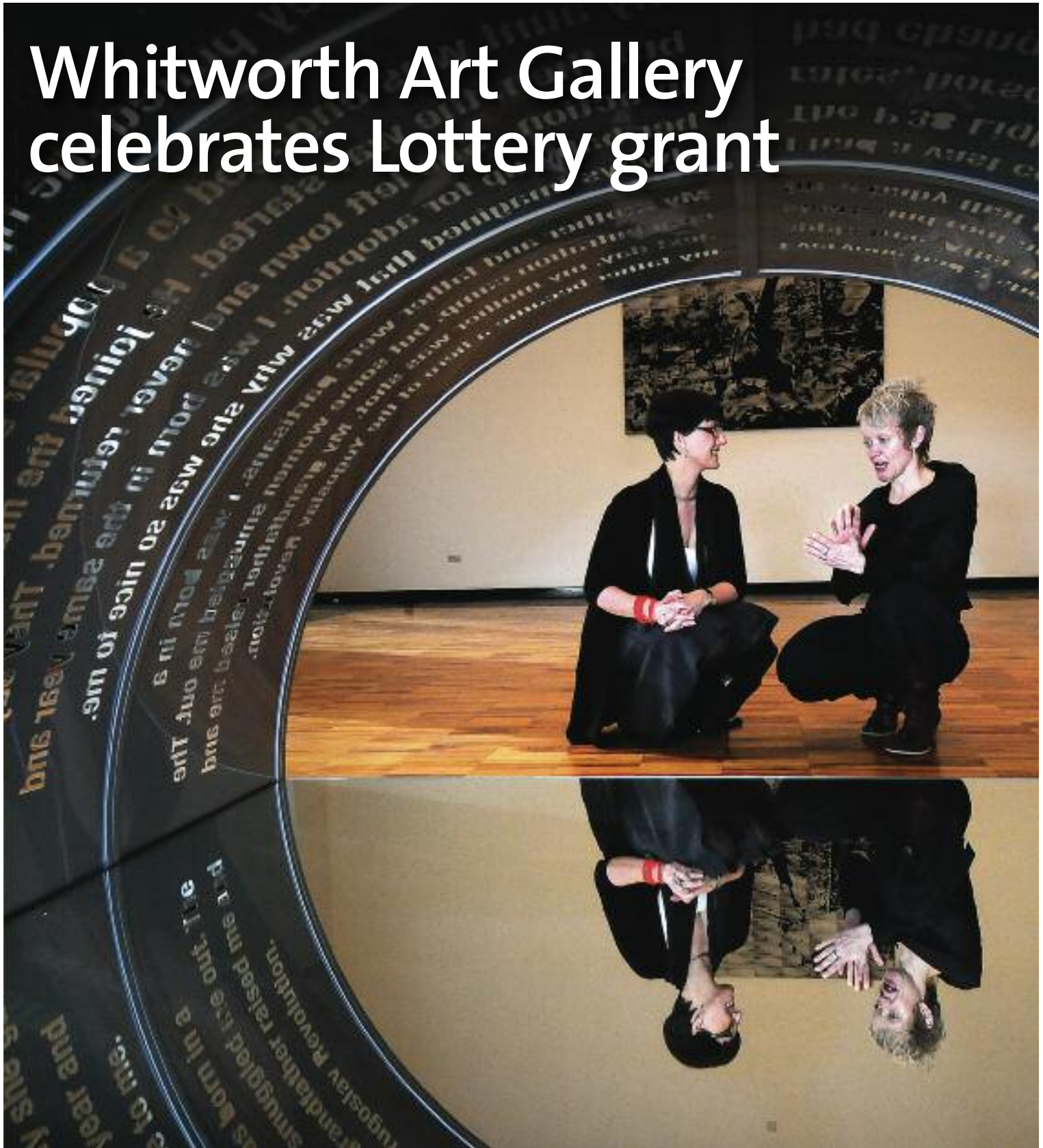


UniLife

Whitworth Art Gallery celebrates Lottery grant



Message from the President

Planning for the future and determining the characteristics of the University, are the themes of this month's message



With our Nobel Prize winners



Taking part in a conference with senior staff



Meeting medical students at one of our teaching hospitals



Joining students for a lecture

The results of our most recent staff survey indicate that a large majority of respondents are proud to work for the University and are committed to our core goals as described in *Manchester 2015* and in the more recent *Advancing the 2015 Agenda*.

I find this very reassuring, but no basis for complacency.

As we plan for a future that will be quite different to that we envisaged in 2004, or even a couple of years ago, it is appropriate to now consider how we wish to define and distinguish the future University. It is important that our staff and students contribute to the vision for the University beyond 2015. Your Heads of School or Heads of Directorates in the Professional Support Services, and the Students' Union, will soon be inviting your comments and discussion about our aims and ambitions.

At a recent meeting with some staff from varied parts of the University, I asked for their views on what sort of organisation we should be. The first answer, that we should be a 'moral organisation', was interesting and stimulating, but begs the question of what do we mean by a 'moral organisation'?

We are already committed to accessibility, openness and fairness, to high standards of ethical behaviour, to sustainability and to many other activities that might be attributed to a 'moral organisation'.
Though we have to question how effectively we meet these commitments and what more we could do to transform our goals and aspirations into measurable outcomes.

Others will say that we must also be a *collegiate* institution, which values and respects the contribution and views of its staff and students.

I agree that we must be both moral and collegiate, but above all else we must be an organisation that demands and expects excellence in every aspect of our mission, and is a real haven for scholarship, learning and discovery. Excellence must be a distinguishing factor for The University of Manchester - though this places many pressures on us. In striving for this, we are inevitably challenged by our external environment.

We face the same realities as any other organisation, whether charitable or commercial, public or private. The challenge for us is to meet these external pressures head on, to address the pressures upon us, but to remain true to our core values and our mission.

Concerns are often raised with me by staff about challenges to our core values and to the very foundation and character of a university. Many are worried about the harsh financial environment and linked to this about the uncertainties of the future. These are valid concerns which I and my senior colleagues are addressing with urgency and importance. Here I am committed to openness and honesty about the nature of the pressures and how we deal with them.

Colleagues also express concerns that we are becoming too 'commercial' and that we impose too many rules, regulations and bureaucracy.

These 'rules' reflect in part the world in which we live; most are imposed externally. Maybe we could choose to respond to some in a more measured way, but others we would do so at our peril. As critical and prescient examples of the latter, we only need to look to the requirements upon us (from the UK and the EU) for any research on humans. Infringements of the laws on patient confidentiality, ethics approval, how we deal with human tissues or with new medicines, however local, might well prevent *all future research* under this category within the University. Each of us here has a responsibility to the whole University community. Like it or not, we have to comply in the most efficient and effective way possible. In fact many of the requirements upon us in this area will actually lead to higher standards of research.

There is no doubt that we are subject to ever more stringent financial regulations. But we have to face the reality that as a charity in receipt of (ever diminishing) public funds, we must be ever more accountable. Many of our own financial processes will and indeed already have, delivered major benefits. We must now budget carefully for every pound we spend and must remove any costs that do not benefit our primary goals. Such savings have no value in their own right - we are not about making money, but they are critical to our future success because they allow us to invest in our core goals.

Our real challenge will be to achieve our ambition to be excellent in all our core activities, in the face of austerity and ever increasing regulation.



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Heritage Lottery Fund award set to transform Whitworth Art Gallery

The Whitworth Art Gallery has been awarded £8 million by the Heritage Lottery Fund (HLF) which will help fund a long awaited extension.

This development will transform the gallery - one of The University of Manchester's best-loved cultural treasures - creating a new experience that can be shared by visitors from across the local community with those coming from further afield.

This £12 million development will open up a staggering 396 square metres of new gallery space doubling the artwork on display, whilst creating a beautiful and inspiring environment where visitors can enjoy the magnificent collections on display.

Gallery Director Maria Balshaw says of the Heritage Lottery Fund grant: "We are delighted to have this investment which will enable us to make our vision for the Whitworth a reality.

"We've been developing our plans for over three years and can't wait to start on the real thing. The project will create a gallery that's truly fit for the 21st century and which we know our visitors are going to love."

Sara Hilton, Head of Heritage Lottery Fund North West, said: "The Heritage Lottery Fund award will bring a vital transformation to the Whitworth Art Gallery, opening it up to the park and its neighbouring communities, and offering new opportunities for visitors to explore and enjoy. The gallery will be revitalised, creating new spaces that will allow more of these magnificent collections to be shared with the public."

The extension has been designed by leading architects MUMA.

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Above and below: artists impressions of the new extension

Front cover:
Sara Hilton from the Heritage Lottery Fund (left) and Maria Balshaw celebrate the Whitworth Gallery Lottery grant.
Photo by Nigel Hillier

News in brief



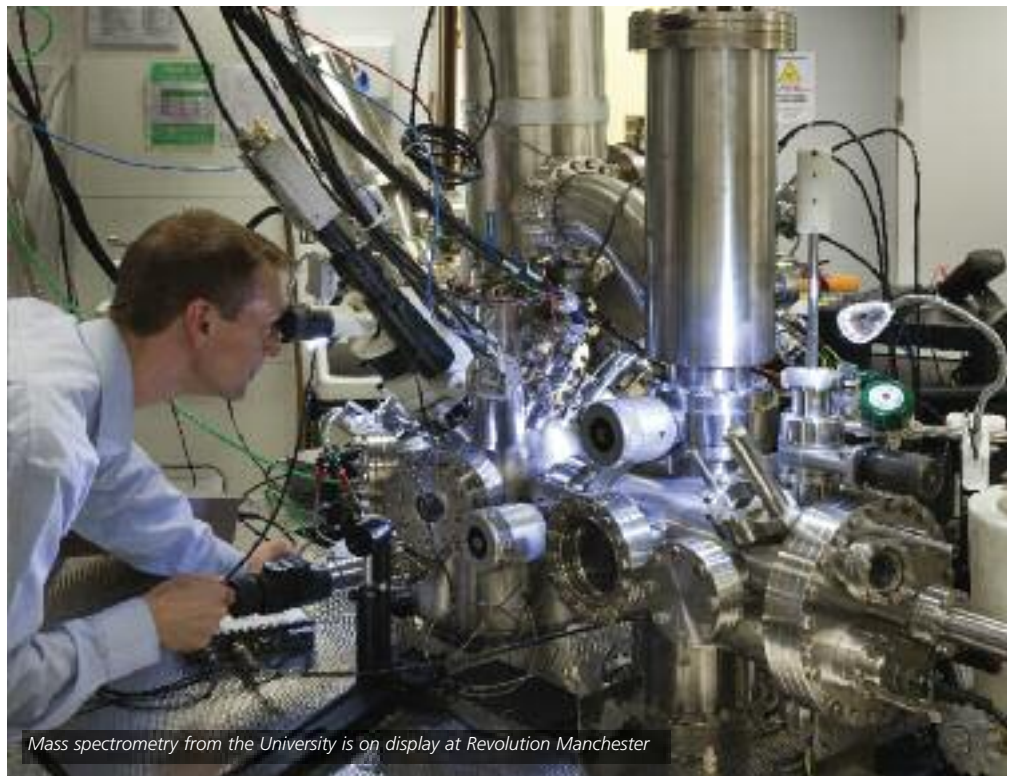
University backs African writers

A partnership between the University's Centre for New Writing and a leading African arts journal has born fruit with its first joint issue.

Three African writers read their work at a special event at the University in February to celebrate the start of the partnership.

Creative writing lecturer and science fiction author Geoff Ryman, talked about African graphic novels which are now finding large audiences throughout the French speaking world.

Geoff will oversee a new educational section of *African Writing* - which promotes a programme at two Nigerian universities funded through the British Council over one year.



Mass spectrometry from the University is on display at Revolution Manchester

MOSI celebrates launch of Revolution Manchester

The Museum of Science and Industry (MOSI) has launched its new gallery – Revolution Manchester.

The impressive £9 million project showcases Manchester's greatest innovations, including a number of exhibits to do with work carried out here at the University.

Visitors can play a simple binary code game linked to the replica 'Baby' computer, the world's first stored-programme computer, built at the University in 1948. There's also a new mass spectrometry exhibit, and Dr Claire Eyers, Acting Director of the Michael Barber Centre for Mass Spectrometry in the School of Chemistry was invited to a special event to mark the launch of Revolution Manchester.

The MOSI redevelopment project also includes a new coffee shop, gift shop, restaurant, learning and conference centres, as well as the updated interactive science gallery, called *Experiment*.

Revolution Manchester was opened by the University's Professor Brian Cox.

www.mosi.org.uk

Creating the complete researcher

Computer scientists of the future will benefit from top of the range doctoral teaching at a new facility – the first of its type in the UK.

The University has been awarded a £2.2 million grant to establish the Centre for Doctoral Training in Computer Science.

The centre, funded by Engineering and Physical Sciences Research Council (EPSRC), will admit at least 75 students over the next five years.

Students joining the centre will be given the chance to become 'the complete researcher', and it is a significant commitment to expenditure on studentships at a time when funds are in short supply.

They will receive training in all aspects of the research process; creativity and innovation, research problem solving in collaboration with industrial users and carrying out research with real world

impact. At the same time students will complete significant research in collaboration with world-leading academic staff.

The University won the grant despite strong competition from other leading computer science departments across the UK.

Professor Steve Furber, director of the new centre, said: "We are delighted to have been chosen by the EPSRC for this flagship centre, and look forward to rising to the challenge of using this opportunity to transform computing PhDs in the UK."

Dr Jonathan Shapiro, manager of the centre, said: "Manchester Computer Science has unsurpassed breadth of research and the highest level of government research funding in the UK.

"This makes Manchester an excellent place to carry out a PhD in Computer Science."

King Tut fundraiser hits target

Over 1,100 people attended a recent fundraiser event at the 'Tutankhamun – His Tomb and His Treasures' exhibition. The event raised a fantastic £10,000 for the Manchester Museum.

Christoph Scholz, Chief Producer of the Tutankhamun Exhibition said: 'It was such an honour to be able to hand over a cheque for £10,000 to the Museum. On behalf of the team, we'd like to thank all of those who came along and supported the event.'

Proud moments for University's Nobel winners

The University held a day of celebrations in January to honour the achievements of Professor Andre Geim and Professor Konstantin Novoselov, 2010 winners of the Nobel Prize for Physics for their pioneering work on graphene.

Having received their awards at an official ceremony in Sweden in December, the pair were honoured by the University at a special event in front of 600 people at University Place. The celebrations were attended by the Astronomer Royal and immediate past President of the Royal Society, Lord Rees, the British Ambassador to Sweden, heads of major UK academic and funding bodies, local leaders and many members, friends and guests of the University. The Laureate's speeches were broadcast live on the University website.

President and Vice-Chancellor, Professor Dame

Nancy Rothwell said: "The celebration was a fitting tribute to the fantastic achievements of both Andre and Kostya, who have been awarded the highest accolade in the scientific world.

"Their work is a wonderful example of a fundamental discovery based on scientific curiosity with major practical, social and economic benefits for society.

"I was thrilled to be able to welcome so many people to the University to help celebrate the award, which is an honour not just for the University but for the city of Manchester as well."

Professor Geim said: "I am immensely fortunate to have received incredible support from the University which has given us the time and opportunity to experiment and innovate.

"I am lucky enough to work for an employer which puts great emphasis on nurturing



Professor Andre Geim, Professor Dame Nancy Rothwell, Professor Konstantin Novoselov and Lord Rees

and supporting young talent and this has greatly contributed to our success."

Professor Novoselov added: "Since the Nobel Prize was awarded, we have been to many ceremonies and events.

"Here we have the chance to celebrate with our friends, families and colleagues and we are honoured to be rewarded in this way.

"It would not have been possible to have won the

Nobel Prize without the support and help of both the University and our colleagues and students, so this is our chance to say thank you to them."



Chinese troupe welcomes new year

A renowned performing troupe of children from China enchanted a theatre-full of school children in a colourful celebration of Chinese New Year.

In a performance organised by the University's Confucius Institute, the Xiao Hong Hua Children's Art Troupe performed at the Royal Northern

College of Music last month. The show was made up of songs, dances and music performed by 30 Chinese children of different ages.

Xiao Hong Hua - translated as Little Red Flower - have been delighting audiences in China and abroad for 50 years - though they have not been seen before in the UK.

This performance, marking the Chinese Year of the Rabbit, was attended by almost 600 schoolchildren from all over Greater Manchester.

Director of the Confucius Institute Professor Kersti Börjars said: "As one of the most prestigious children's performing troupes in China, the

extraordinary performances and choreography of Xiao Hong Hua have enchanted Chinese and overseas audiences for years.

"We were delighted to host them and it was a fitting way to mark the Chinese New Year."

Experts urge caution for shale gas extraction

The Government should impose an immediate moratorium on the extraction of natural gas from the UK's shale formations until all the ecological implications are fully understood, University scientists have warned.

The report, commissioned by The Co-operative and written by the Tyndall Centre, highlights evidence from the US, which suggests shale gas extraction brings a significant risk of groundwater contamination.

Moreover, the exploitation of gas shales is bringing new greenhouse gas sources into play and even a mid-range extraction scenario could see carbon dioxide levels rise globally by some five parts per million by 2050.

This will further reduce any slim possibility of maintaining global temperature changes at or below two degrees Celsius and thereby increase the risk of entering a period of 'dangerous climate change'.

The report concludes that until a sufficient evidence base is developed a precautionary approach to development in the UK is the only responsible action.

With conventional natural gas reserves declining globally, shale gas has emerged as a potential significant new source of 'unconventional gas'.

The rapid growth of shale gas production in the US has raised interest in the UK, with a number of businesses beginning activities particularly on the Fylde coast of North West England.

Mobile findings

Radio frequency exposure from mobile phone use does not appear to increase the risk of developing brain cancers by any significant amount, a study by University scientists suggests.

The researchers used publicly available data from the UK Office of National Statistics to look at trends in rates of newly diagnosed brain cancers in England between 1998 and 2007.

The study, published in the journal 'Bioelectromagnetics', reported no statistically significant change in the incidence of brain cancers in men or women during the nine-year time period under observation.

The research was led by Dr Frank de Vocht, an expert in occupational and environmental health from the School of Community-Based Medicine.



Students discover what's new in genetics and genomics

Nowgen organised two 'Meet the Scientists' days for A-level biology students recently, as part of its Schools Genomics Programme, a Wellcome Trust funded project.

A range of scientists from the University and Central Manchester Universities Hospital NHS Foundation Trust volunteered to take part.

During the days, students visited scientists involved in cutting edge genetics and genomics research. The scientists talked about their work and it was a great chance for students to gain a real insight in to the world of research.

The overall aim of the Nowgen School Genomics Programme is to change the way that genetics is taught in UK secondary schools and help young people assess the potential of genomics.

Low carbon competition

UMIC and UMIP have launched their Low Carbon and Environment Competition 2011, and they are now looking for entries for innovative low carbon projects.

If you have an idea for a new low carbon technology, service or behavioural change then you could win a unique package of business support worth thousands of pounds.

Your idea does not need to be overtly technology-based or a commercial idea, as the judges want to discover as broad a range of ideas as possible.

The competition will be held over a series of heats, running until 20 May, and the competition is open to University of Manchester academics or staff members only.

UMIP manages the University's intellectual property commercialisation, whilst UMIC manages the facilities and business support associated with the University's incubation activities.

The prizes include:

- Up to £5,000 of commercialisation support from UMIP
- Business mentoring and accommodation support package from UMIC

Visit the web address below to find out more.





Dinosaur detectives

A new TV series featuring University dinosaur detectives looking at how the creatures once lived and functioned began in the UK last month.

Presented by palaeontologist Dr Phil Manning, the series was aired on the National Geographic Channel to great acclaim, and is now being transmitted to many countries around the world.

It is the first ever series on dinosaurs commissioned by the channel, as previously documentaries have only aired as one or two-hour specials.

Jurassic CSI provided for the first time a detailed forensic look at dinosaurs.

The programmes follow the innovative research program the Manchester team has been undertaking, helping to unpick the lives of dinosaurs.

The series features many University academics, from the School of Materials, the School



of Earth, Atmospheric and Environmental Sciences, Research Computing, The Manchester Museum and from the Faculty of Life Sciences.

Dr Manning said: "It was a privilege to work with some of the world's top scientists from multiple disciplines, all to help unlock secrets locked in the sands of time.

"The series would not have been possible without the support and collaboration of many scientists at The University of Manchester, and the staff of the Manchester Museum."

The series took Dr Manning and his team from North to South America and then across Europe to China.

Social science studentships

The largest centre in England for social science postgraduate training has been established at the universities of Manchester, Lancaster and Liverpool.

The North West Doctoral Training Centre (NWDTC) is one of 21 in the UK, created by the Economic and Social Research Council (ESRC), and will provide PhD students with access to quality research training in social science disciplines.

The universities are now guaranteed a total of 63 new postgraduate studentships per year to support research and training at doctoral level. This will amount to more than £15 million of investment over the next five years.

Studentships will be available across the full range of social science disciplines, including areas such as geography, economics and psychology.

Professor Bertrand Taithe is Associate Dean for Postgraduate Research in the Faculty of Humanities and said: "The North West Doctoral Training Centre is the largest in England, and thanks to the success of this bid we have actually increased the numbers of our studentships across the three universities. This is a great success for the Faculty of Humanities at The University of Manchester and more generally for social research in the North West of England."



Professor Parker shines as a northern light

An influential think tank has named one of our biomedical scientists as "one to watch" in the North of England following the successful creation of a university spin-off company.

Professor Geoff Parker, Director of the Biomedical Imaging Institute, has been named by the Institute of Public Policy Research as one of 50 'Northern Lights' in recognition of his work with University spin out company Bioxydyn.

Bioxydyn specialises in the development of new medical imaging techniques to improve the understanding of conditions such as asthma and COPD, as well as aiding cancer specialists and neuroscientists.

The Northern Lights list includes Members of Parliament, young entrepreneurs, academics, writers, councillors, community activists, business leaders and creatives.

Grant to trace medicine history

Work has begun on a new, five-year programme grant on the history of translational medicine since 1950.

The grant of £881,000 will support historical research and public engagement by a team led by Dr Carsten Timmermann and Professor Michael Worboys, with Professor John Pickstone and Professor David Thompson from Manchester's Medical School, alongside researchers Dr Rob Kirk, Dr Stephanie Snow and Dr Duncan Wilson in the Faculty of Life Sciences.

News in brief



Nuclear centre launches

The Centre of Nuclear Energy Technology (C-NET) launched last month to an audience of industry professionals and nuclear academics.

Established to place the region at the forefront of reactor fuels and nuclear fuels technology, C-NET is the result of collaboration with the North West Development Agency.

Showcasing C-NET's capabilities in research, testing, simulation and skills development, speakers included its director Professor Tim Abram (pictured above) and nuclear fuels expert Dame Sue Ion.

Professor Abram said: "Manchester is home to the UK's largest community of nuclear researchers, so it's appropriate that C-NET, focusing on fuels and reactors, should be based here."



Nobel prize winner joins MAHSC line up

Professor Ashley Woodcock (pictured above) is the latest high profile appointment to the executive management team of MAHSC (Manchester Academic Health Science Centre). Professor Woodcock has a track record in environmental campaigning, and he shared the Nobel Prize with Al Gore in 2007 for his work on CFCs and climate change.



New vision for Manchester Science Parks

A new master plan has been created to reshape Manchester Science Parks' (msp) nine-hectare 'Corridor' site and increase its connections with the city centre.

The plan will create 250,000 square feet of new floor space for the growth of innovative companies, across industries such as digital media, biotechnology and IT.

The design nearly doubles the facility's commercial space, introducing seven new buildings and will be rolled out over the next ten years.

The University is a key stakeholder in msp and the scheme occupies a prominent site between the University and the residential communities of Hulme. Crucially, the new master plan will strengthen physical links between the msp

and the surrounding institutions, promoting collaboration.

Jane Davies, msp chief executive, said: "This is an extremely exciting development for Manchester Science Parks. The expansion of our Corridor site will bring innumerable benefits to both our tenants and the surrounding area and we are looking forward to this next stage in our evolution."

Junk the jargon

What do rat's whiskers, teaching your Dad to use predictive text, and hunting for turbulence have to do with each other?

They were just some of the inspiring, creative and amusing talks presented by 11 early career researchers from across the University at the 'Junk the Jargon' grand final.

The researchers were challenged to engage a public audience in their research topic in just three minutes - no jargon allowed!

Surprised by the originality and quality of the talks, the judges Dr Marieke Navin (MOSI), Jo Combes (BBC Writersroom), and Dr Tiffany Jenkins (Institute of Ideas) found it extremely difficult to select the

competition winners. However after much lively debate the winners were:

- Louise Maddison - "How computers can find a cure for cancer" (First prize £500) (Faculty of Engineering and Physical Sciences)
- Eoin Keegan - "Combinatorial optimisation or how I taught my Dad to use predictive text" (Second prize £200) (Faculty of Engineering and Physical Sciences)
- Bob Nicholson - "Skedaddle! The Victorian love affair with American Slang" (Third prize £100) (Faculty of Humanities)



Easter Island study enters new phase

A team of archaeologists studying the famous statues dotting the landscape of a tiny Pacific island have been awarded a grant by the Arts and Humanities Research Council (AHRC).

The award of just over £640,000 will allow project directors Dr Colin Richards from The University of Manchester and Professor Sue Hamilton, from University College London, to continue their groundbreaking study of Easter Island.

They will continue their task of unravelling the mystery of the stone statues - or moai - dotted around the coastline of the island.

They lead the first British archaeological team working on the island for 90 years.

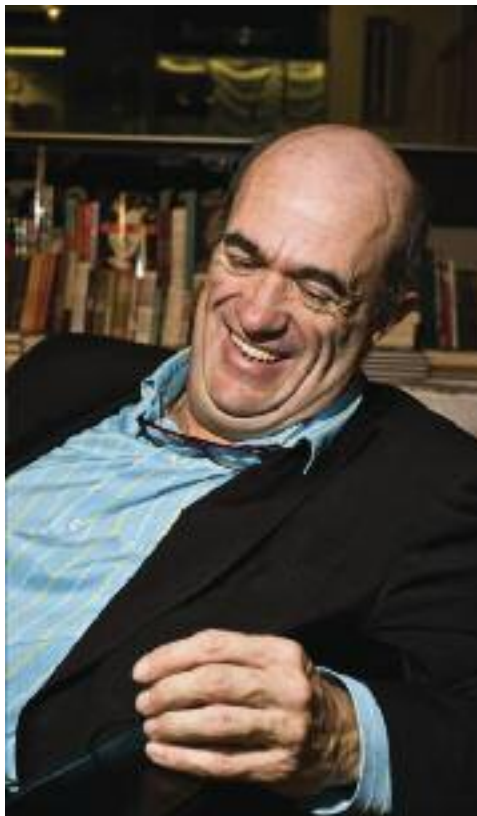
Colm Toibin comes to Manchester

World-renowned author Colm Toibin has been appointed as Professor of Creative Writing at the University. His appointment coincides with the news that Martin Amis is to finish his tenure at the University in July.

Professor Toibin, who is currently at Princeton University, takes up the role in September and will continue where Amis left off, holding a fiction workshop for Masters students and a new course called Arts for Writers - where he will bring composers, artists and other arts practitioners into the seminar room to explore how music art and theatre influences writing.

Commenting on his appointment he said: "I visited the Centre for a reading two years ago and I liked how the students combined writing new work with reading and talking about literature, in seminars and workshops and in the public events which bring the work out of the University and into contact with the wider world."

Commenting on his departure Martin Amis said: "Teaching creative writing at Manchester has been a joy. I was impressed by the four instalments of 'youth' I encountered - they seemed to me impressively independent-minded and non-ideological. I loved doing all the reading and the talking and I very much took to the Mancunians who are a witty and tolerant contingent."



The eagle has landed

The University has teamed up with Eagle Genomics Ltd to provide commercial support for Taverna, the open-source Workflow Management System.

The partnership will see Eagle Genomics take on responsibility for providing commercial support for Taverna, which was invented by Computer Science academic Professor Carole Goble (pictured above).

Taverna, part of the myGrid family of projects, is a computer program for designing and executing workflows representing scientific experiments.

Valuable volunteers

Nominations are now open for the Community Service and Volunteer of the Year Awards.

These awards recognise the time and energy given by staff, students and alumni, who help disadvantaged groups, whether on a local, national or international level.

Cash prizes are on offer for the organisations which the winners work with.

The closing date for entries is 21 March, and you can find out more at the web address below.

 www.manchester.ac.uk/careers/volunteeroftheyear

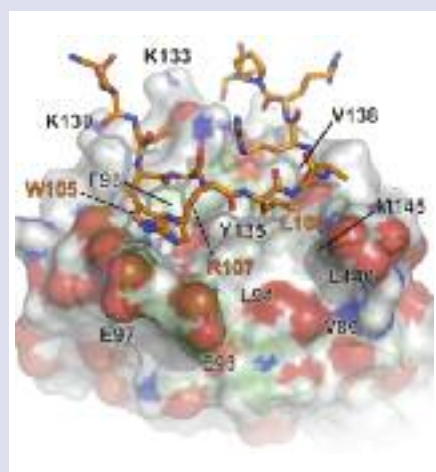
Researchers visualise herpes virus's tactical manoeuvre

Researchers have for the first time developed a 3D picture of a herpes virus protein interacting with a key part of the human cellular machinery, enhancing our understanding of how it hijacks human cells to spread infection.

This discovery uncovers one of the many tactical manoeuvres employed by the virus and opens up new possibilities for stepping in to prevent or treat infection.

The University of Manchester team, funded by the Biotechnology and Biological Sciences Research Council (BBSRC), have used NMR – a technique related to the one used in MRI body scanners and capable of visualising molecules at the smallest scales – to produce images of a herpes virus protein interacting with a mouse cellular protein. These images were then used to develop a 3D model of this herpes virus protein interacting with human protein.

Lead researcher Dr Alexander Golovanov, from the Manchester Interdisciplinary Biocentre and Faculty of Life Sciences, said: "There are quite a few types of herpes viruses that cause problems as mild as cold sores through to some quite serious illnesses, such as shingles or even cancer. Viruses cannot survive or replicate on their own – they need the resources and apparatus within a human cell to do so. To prevent or treat diseases caused by viruses we need to know as much as possible about how they do this so that we can spot weak points or take out key tactical manoeuvres."



Walk like an Egyptian

Two artificial big toes – one found attached to the foot of an ancient Egyptian mummy – may have been the world's earliest functional prosthetic body parts, says the scientist who tested replicas on volunteers.

University of Manchester researcher, Dr Jacky Finch (pictured), has shown that a three-part wood and leather artefact housed in the Egyptian Museum in Cairo, along with a second one, the Greville Chester artificial toe on display in the British Museum, not only looked the part but also helped their toeless owners walk like Egyptians.

Dr Finch, who is based in the University's KNH Centre for Biomedical Egyptology, recruited two volunteers whose right big toe had been lost in order to test exact replicas of the artificial toes in the

Gait Laboratory at Salford University's Centre for Rehabilitation and Human Performance Research.

Writing in the *Lancet*, Dr Finch said: "To be classed as true prosthetic devices any replacement must satisfy several criteria. The material must withstand bodily forces so that it does not snap or crack with use. Proportion is important and the appearance must be sufficiently lifelike as to be acceptable to both the wearer and those around them. The stump must also be kept clean, so it must be easy to take on and off. But most importantly it must assist walking."

The volunteers were asked to wear the toes with replica Egyptian sandals and, while neither design was expected to perform exactly like a real big toe, one of the volunteers was able to walk extremely well with both artificial toes.

Trial could help babies breathing

A trial of alternatives to ventilators for helping premature babies to breathe could reduce the risk of lung problems and other complications for around 7,000 babies a year.

Led by Dr Suresh Victor from the Newborn Intensive Care Unit at Saint Mary's Hospital in Manchester, the study involves experts from the University and several neonatal units from the North West of England.

The team from the 'Extubate Trial' will look at two alternatives

to long-term use of a ventilator, to see which helps premature babies the most. They have been awarded funding of £240,000 by the National Institute for Health Research (NIHR) to carry out the three-year trial.

Dr Victor, who is also a clinical lecturer at the School of Biomedicine here at the University explained: "Babies born prematurely have breathing difficulties and need support from a ventilator, which gives them regular breaths through a breathing tube in the wind pipe.

"The process of removing the tube, known as extubation, and allowing the baby to breathe on its own does not always go to plan. Around a quarter of babies need to have the breathing tube replaced in the wind pipe. This can be traumatic and spending more time on the ventilator can damage the baby's immature lungs."

The trial is looking at less invasive ways of supporting breathing. The trial will involve up to 540 babies born before 30 weeks' gestation and who are less than two weeks old.

Secrets of dinosaur footprints revealed, thanks to Goldilocks

Terrain thought to be ruled by only the largest dinosaurs to inhabit the earth could have in fact been home to dozens of other creatures.

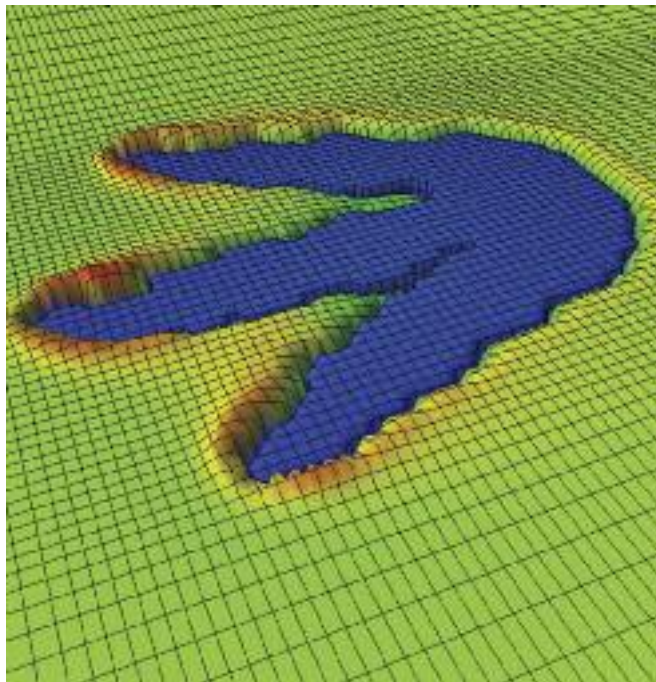
Dr Peter Falkingham has discovered that dinosaurs only created lasting footprints if the soil conditions were perfect to do so – and entirely depending on the animal's weight.

Dubbed the 'Goldilocks Effect' – as all conditions have to be 'just right' for a print to be created – this work could help to bring ancient environments to life, by showing how a great number of animals can walk over an area, but only a few leave behind tracks.

The findings mean that hugely-significant prehistoric dinosaur track sites could have been host to a much larger number of dinosaurs and other animals than the tracks themselves show.

Dr Falkingham, from the School of Earth, Atmospheric and Environmental Sciences, used computer modelling to simulate dinosaurs making tracks. This allowed his team for the first time to run dozens of simulations in order to systematically change the conditions of the mud.

As dinosaurs ranged vastly in weight, from Brachiosaurus,



weighing around 30 tonnes, to Compsognathus, which was the size and weight of a chicken, Dr Falkingham worked out that only the heaviest creatures would leave prints in certain mud conditions.

Equally, in other areas where the mud was deep and soft, only lighter, nimbler dinosaurs would be able to walk over it and therefore leave prints; larger animals would become stuck and die.

He said: "By using computer modelling, we were able to recreate the conditions involved when a 30-tonne animal makes a track.

"We were able to ensure that in every simulation we could look at the effects of each variable (for instance, the shape of the foot, or the weight of the animal) independently."



Great British class survey

The BBC has launched a nationwide interactive survey examining what class really means in Britain today, and whether it still matters in the 21st century.

The Great British Class Survey (www.bbc.co.uk/labuk) aims to be the largest study of its kind ever conducted in the UK, and is the first interactive commission by BBC Current Affairs.

The project was designed by Professor Fiona Devine (pictured) from the School of Social Sciences and Professor Mike Savage of the University of York, in collaboration with BBC Lab UK.

The unique survey asks the British public to help answer important questions about class in Britain today. The survey will examine if we still have a class system and, if so, what kind it is.

Until now, most major studies have focused on economic factors such as wealth and occupation, and social factors such as networks of personal contacts to determine class. But there is increasing evidence to suggest that our interests and hobbies – or 'culture' – can also influence our life chances. For the first time, this study will investigate all three factors together.

The survey takes about 20 minutes to complete, and the results will be revealed later in 2011 as an interactive visualisation that will allow the public to explore the findings from every angle.

Professor Fiona Devine said: "This survey is an exciting opportunity to explore the economic, cultural and social dimensions of class. It will be really interesting to hear what the British public thinks about all of these aspects of class in the 21st century."

www.bbc.co.uk/labuk

North South health divide widens

The chances of dying early (under 75) are a fifth higher in the north of England than the south according to research from the University.

The north-south health divide is now at its widest for 40 years and the report warns that "the north is being decimated at the rate of a major city every decade."

The north-south health divide in England is well documented and has posed a public health challenge – as well as a political and economic challenge – to successive governments.

From 2003 to 2010, the UK government had performance targets for reducing geographical inequalities in health, but there has been little research of time trends in this divide. So, researchers from the University and Manchester City Council set out to compare death rates between the north and south of England over four decades.

They analysed deaths and population data for all residents from 1965 to 2008 from the five

northernmost and four southernmost English regions. Their results show that overall death rates have been 14% higher in the north over the four decades. This inequality was larger for men (15%) than for women (13%). The north experienced a fifth more premature deaths than the south, and this figure changed little between 1965 and 2008.

"The findings point towards a severe, long-term and recently worsening structural health problem in the geography of England, which may not have received the attention it requires from government policy and which has been resistant to specific policies to reduce inequalities in health or regenerate local communities," said Professor Iain Buchan from the School of Community Based Medicine and John Hacking from Manchester City Council's Joint Health Unit.

"More research is needed into why policies to reduce such inequalities have failed; how the wider determinants of health may be unbalanced between north and south; and what role selective migration plays."



Alys's achievements

As part of the first generation in her family to go into higher education, Alys Young was proud to secure a place at Kings College, Cambridge to read English Literature. But far from feeling a weight of responsibility when she took up her place, she had little idea of what the future might hold. “It was very much a case of taking each stage as it came, I’m not the kind of person who’s ever had a five-year plan,” she says. “Throughout my career I’ve always pursued whatever interests and challenges me.”

So it was that, as her undergraduate studies came to an end, Alys found herself increasingly interested in the social and psychological issues highlighted by literature: “I wanted to understand more about them in real life, rather than fiction,” she says. The solution was to take on a year’s voluntary role in a therapeutic community, with people diagnosed with schizophrenia, to test her emerging interest in social work and mental health.

Although the experience confirmed her intention to focus on psychiatric social work rather than literature, and she went on to

undertake an MSc in Applied Social Studies and Certificate of Qualification in Social Work at Oxford, Alys’s interests were still deepening. Encouraged by her tutor to broaden her experience in the field, she undertook a month-long residential placement working with young deaf people with mental health difficulties.

“I knew absolutely nothing about young deaf people, or the British Sign Language (BSL) they used at the centre, but with the arrogance of youth I thought I could do anything for a month,” she says. “I thought BSL was a kind of visual version of English, like semaphore, and it was only

when I got there that I saw that it was all about the people, not the language. From the moment I arrived I was hooked.”

Encouraged and mentored by a Deaf* staff member at the facility, Alys quickly became committed to understanding the issues for Deaf people with psychiatric problems better, and investigated the diagnosis of so-called ‘personality disorders’ for her MSc dissertation. Upon graduating she started work in mental health social work and child protection, but continued to learn BSL via voluntary work in her own time. Eventually, having this skill prompted one of the

most significant requests in her career: could she cover a colleague's secondment and work with deaf people?

Given her trademark can-do approach, of course she could; and as she was also working two other half-time social work jobs there's no question that Alys was busy. But intellectually she soon became frustrated, and boredom led her to apply for a PhD at the University of Bristol's Centre for Deaf Studies. "I had no idea what a PhD was, or that Economic and Social Research Council (ESRC) funding was difficult to get," she admits, but she sailed through and began a funded doctorate on sign-bilingual approaches to early intervention.

By the time she finished in 1995 however, Alys was missing her other great love - social work, and quickly got involved in setting up a centre for families with deaf children. She then won funding to research service delivery relationships between Deaf and hearing professionals at Bristol, but when she relocated to Salford two years later it was to teach mainstream social work education. As ever, though, she wasn't limited to a single path; beginning a portfolio of research with d/Deaf people in parallel to her junior lectureship.

In 2001 she switched paths again and took up a post at The University of Manchester - as a Senior Lecturer in Deafness and Deaf Education. "I feel quite strongly that people should be allowed to keep their options open if they have more than one interest," she says, "and build careers that work flexibly across different areas." Finally, four years later, she was able to bring the paths together in her current role as Professor of Social Work Education and Research, returning once again to social work, but able to pursue her specialised research interests with the help of a dedicated team.

"I think that if you work in an academic discipline which is also a professional discipline like social work there's a sort of culture there, and I was missing that," Alys explains, "and the way you think as a social worker is also important in how teams work." The Social Research with Deaf People group she leads is made up of Deaf and hearing researchers and uses BSL as its academic medium; "There's something really important about hearing people having to struggle and become fluent when you're trying to equalise the power relationships, between a minority community and one that's always thought it knows best," she says.

The group looks at family, service and community situations involving d/Deaf people, and a key project was the country's largest ever review of social care services for deaf children and their families. Last year this reported that many services were failing deaf children despite the personal and social challenges they face, and the fact that they are more than twice as likely to experience abuse.

"Two thirds of local authorities in England didn't regard deaf children as being 'in need', even though the law defines them as such," Alys says, "and half had no social workers qualified to work with deaf children and couldn't assess their needs accurately. Children's social care, education and health services weren't working together effectively, so local authorities' statutory duty to promote the wellbeing of the country's 45,000 deaf children was being significantly compromised."

Publicity for these findings, which included the first press release issued in BSL at the University, garnered huge media coverage, including print media, BBC Breakfast, Radios 4 and 5 and even CBBC. It was estimated that the story had reached about 35 million people, hugely raising the profile of the issues. The study also led to Alys being asked to produce an auditing framework for Local Safeguarding Children Boards' contact with deaf children or their families, which was used as a tool in a consultation by the last government which led to new guidelines on safeguarding deaf children and a national board which Alys is proud to sit on.

Another important project for Alys was leading the parent evaluation of the Universal Newborn Hearing Screening Programme's implementation in 2007. Alys designed the 'true case study', documenting the experiences of parents whose babies were now confirmed deaf at about eight weeks, to understand how this differed from that under old diagnoses at about 26 months and allow it to suggest good practice and the need for new service approaches. The studies were hugely influential on family support structures worldwide.

Alys and her team are now working on projects to follow up deaf children's mental health outcomes as adults, look at terminology in genetic counselling involving deaf people, and improve early diagnosis and management of dementia among Deaf people who use BSL. They have also undertaken a project for the Welsh Assembly looking at residential care provision, assessing older Deaf BSL-users' preferences and concerns in situations where they may often be the only BSL user and once again bringing Alys's interests in social work and deaf people together.

The coming together of her two specialisms is one of the things Alys most enjoys about her current role, along with writing about her findings and heading a cross-disciplinary team ideally placed to investigate niche areas. She's also proud of the department's educational achievements.

"We train 70 masters students each year here and it's really important to me that we're contributing to the social work workforce, especially at such a difficult time," she says. "The current Monroe Review of Child Protection, and implementation of new recommendations on social work education, will bring a lot of upheaval to the profession, so it's important that a Russell Group university like this is committed to social work training - especially in the context of our emphasis on social responsibility."

Married to a physicist at Queen Mary, University of London, Alys lives south of Manchester in Derbyshire; in a house she and her husband spend much of their free time restoring. The bilingualism of her working life is extended at least four-fold at home, where there are four other first languages among her husband's close family and no central language in common. "I communicate with my mother-in-law through gestures, playing games and cooking together, it actually makes an interesting case study," Alys says. "There are plenty of ways of communicating with no verbal language at all."

* The word 'Deaf' with a capital D usually refers to BSL users

Name

Professor Alys Young

Position

Professor of Social Work Education and Research

Social Care and Population Health Research Directorate

School of Nursing, Midwifery and Social Work

Other Positions

Director of Social Research with Deaf People programme

Trustee, Manchester Deaf Centre

Ambassador for Deaf Parenting UK

Executive member of the Association of Directors of Adult Social Services, Sensory sub-committee

Executive member of the NSPCC/National Deaf Children's Society Safeguarding Deaf Children group

Education

1986 BA Hons. English Literature, Kings College, University of Cambridge

1989 MSc Applied Social Studies and CQSW, University of Oxford

1995 PhD on the impact of sign-bilingual approaches to early intervention on hearing families, Centre for Deaf Studies, University of Bristol

Career

1986 Residential social work assistant

1989 Community mental health social worker

1991 Social worker and specialist social worker with d/Deaf people

1995 Helped set up the Family Centre for Deaf Children, Bristol

1996 Post Doctoral Research Assistant, University of Bristol

1997 Junior Lecturer in Social Work, University of Salford

1999 Senior Lecturer in Social Work, University of Salford

2001 Senior Lecturer in Deafness and Deaf Education, The University of Manchester

2005-date Professor of Social Work Education and Research, The University of Manchester

Professional calling

Researchers are being urged to take part in a survey aimed at finding out how the University can support their career development.

Anyone with a research contract is being encouraged to take part in the 'Careers in Research Online Survey' (CROS) which is now open and will run until 30 May 2011. The survey gathers anonymous data about working conditions, career aspirations and career development opportunities for research staff.

Leading the drive to encourage staff to take part is Professor Matt Lambon Ralph (right), Associate Vice President for Research, who heads up the University's Research Staff Development Working Group.

This group brings together research staff from all four Faculties, as well as representatives from the Research Office, Human Resources and the Staff Training and Development Unit. Their aim is to develop new ways of supporting researchers and Matt is determined to get the issue on the agenda at the highest levels within the University.

"Research staff are critical to the success of the University – if we didn't have them we wouldn't be doing as well as we are," said Matt. "So it's vital that we provide a supportive environment in which our research staff can develop their career, training and skill base."

"As well as delivering on the projects that they are working on, we also want researchers to think about and to plan their career paths, and to gain the skills they will need to further their careers.

"The results from the 2009 CROS have helped to shape the things that we've been doing. The survey findings suggested that it was difficult for researchers to easily find the information they needed for personal and career development. So as a result we've put together a handbook for research staff which pulls all of this information together in one place and will be launched online later this year."



A key priority of the Research Staff Development Working Group (RSDWG) is to ensure that researchers are kept updated on how the CROS data is being used to improve the support of researchers.

The survey is part of a wider Concordat to Support the Career Development of Researchers to which

the University has signed up. Overseen by Research Councils UK (RCUK) and Universities UK (UUK), this is a formal statement of principles which higher education institutions are expected to implement.

To complete the survey visit the web address below.



www.survey.bris.ac.uk/manchester/cros2011

Dawn's experience



Dr Dawn Edge joined the University in 2005 as a Research Fellow in the School of Nursing, Midwifery and Social Work. In 2006, she received a 'Stepping Stones' award. Stepping Stones is a Faculty of Medical and Human Sciences scheme, which is intended to develop 'rising stars' to become leading research in their areas of work.

The award enabled Dawn to continue her research into inequalities in mental healthcare, with a particular focus on the perinatal mental health of Black Caribbean women and how they access healthcare.

Now at the end of Stepping Stones, like many researchers on a fixed term contract, she finds herself in the precarious position of trying to achieve the next step in her research career.

Whilst she put her heart and soul into her research project, undertook work for the

Department of Health, and submitted a number of proposals and applied for research fellowships, she feels that she maybe didn't focus enough on her own career development: "I didn't have a clear, strategic plan for where my career was going, how I was going to get there and who could help me," she said.

"It would have been really helpful to have worked out very early on in my project what my career was going to look like and set clearer career objectives and milestones to achieve along the way. Whilst acknowledging that research differs according to subject area, I think there are some common skills that everyone needs such as supervising students, leadership and budget management.

"I was very fortunate to participate in the Faculty's Research Leadership Programme which addressed these areas. I think the role of mentors is also vital. Having a really good mentor can make all the

difference. I think a lot of researchers receive informal mentoring but this would be much more effective and fairer if it was formalised by being part of a better appraisal system.

"At a personal level, I think appraisals could have been an effective means of helping me to measure how I was performing against my objectives and to constantly review and realign these against my career plan."

Dawn is part of the Research Staff Development Working Group. She sought the nomination because she wanted to help issues around career progression that are unique to researchers on fixed term contracts.

She would urge her fellow researchers to take part in the CROS survey: "We need the information firstly to better understand what the issues are, and then to identify and test out potential solutions."

Food for a fairer world

Healthy, sustainable food and drink is now the order of the day at FoodOnCampus, the University's catering service. Its new sustainability policy, introduced in January 2011, aims to offer food and drink that is produced, processed and traded in ways that:

- Contribute to local economies
- Avoid damaging our planet
- Enhance animal welfare
- Provide social benefits

With 33 cafes and eateries and 125 vending machines on campus, plus ten catered halls of residence, the day-to-day activities of FoodOnCampus impact on the environment in a number of ways and the policy aims to minimize the potentially harmful effects of such activities as far as possible.



Meat-Free Mondays

An extra vegetarian option has been appearing on the Monday menu in the University's catered halls recently. The additional choice supports 'Meat Free Monday' - a national campaign to educate students and staff in the environmental benefits of having a weekly meat-free day.



Meat and dairy production is responsible for 18% of global greenhouse gas emissions. If everyone in the UK went meat-free on Mondays, there would be a carbon reduction equivalent to taking 5 million cars off the road.

Fairtrade coffee

Each week, FoodOnCampus outlets sell over 13,000 cups of Fairtrade coffee. One of their suppliers, PEROS, provides coffee from consortia of coffee co-operatives in Peru, Guatemala, Costa Rica and Ethiopia, which were set up to improve the standard of living of small farmers.



Up to 70% of profits from sales and export are distributed back to the consortia. As a result, thousands of growers and their families benefit from schools and higher education, social programmes and entrepreneurial opportunities.

Your daily latte or americano is just one of a range of products - including other hot drinks, sugar, bananas, fruit juices, snack bars and clothing - which have earned the University Fairtrade status since 2005.

Locally sourced ingredients

"Fresh is best" has long been a foodie mantra and the freshest food is most likely to come from local sources. A shorter journey to your plate will also reduce the damage done to the environment. For these reasons, FoodOnCampus is dedicated to sourcing its ingredients from as close to home as possible.



Vegetables are bought locally when in season and by summer 2011 the majority of salads and, where possible, vegetables and potatoes will be purchased via the Kindling Trust, which promotes local organic farmers.

The award-winning Cafe at the Rylands is the University's flagship for local food, with 90% of its food originating from suppliers in an area bounded by Cumbria, Cheshire, the Pennines and Derbyshire. Taste Manchester, the University's delivered hospitality service, also offers locally-themed menus from the same suppliers.

Hug Mug

Disposable cups are a thing of the past in University halls of residence restaurants. The University's recent decision to ban them affects all ten FoodInResidence catered halls and is just the start of a plan to discourage their use altogether across campus.



Until recently, 1.3 million cups and lids a year have been used once in halls and catering outlets and then thrown away. The financial cost to the University is £150,000, but there is also a profound environmental cost: 600 trees must be cut down to provide the raw materials for the cups.

These days, the University's 39,500 students and 11,000 staff are being encouraged to embrace re-usable Hug Mugs. Students living in catered halls receive a free Hug Mug at the beginning of the session, which they can use in hall restaurants and take to FoodOnCampus outlets to be filled with drinks or soup at a discounted price. Other students and members of staff are eligible for the same discounts if they buy Hug Mugs at any FoodOnCampus cafe or eatery.

What's On

Centre for New Writing

Our unique events bring the best-known, contemporary novelists and poets to Manchester to discuss and read from their work. Everyone is welcome, and ticket prices include a complimentary glass of wine or soft drink.

7 April, 6.30pm, £5/£3

Alan Hollinghurst

The John Thaw Studio Theatre

Website: www.manchester.ac.uk/arts/newwriting

Online journal: www.themanchesterreview.co.uk

The Martin Harris Centre for Music and Drama

Bridgeford Street, Manchester M13 9PL

0161 275 8951/8950

email boxoffice@manchester.ac.uk

www.manchester.ac.uk/martinharriscentre

Jodrell Bank Discovery Centre

Jodrell Bank is going through an exciting period of change with a new visitor centre development and is due to re open in the summer 2011. During the interim period, visitors will be welcomed at a temporary reception area located in the Environmental Discovery Centre. There will be limited facilities and no café. Visitors will have access to the Gardens and Telescope Observation Pathway. Opening times are 11am-4pm and admission is free. For all development updates please visit our website.

Jodrell Bank Discovery Centre

Macclesfield, Cheshire, SK11 9DL

01477 572 621

www.manchester.ac.uk/jodrellbank/viscen

International Society

- Sat 12 March **North Wales visiting Anglesey [with guided tour of the island]**
- Sun 13 March **Yorkshire visiting Fountain's Abbey and Harrogate**
- Sat 19 - Sun 20 March **Oxford featuring a visit to Blenheim Palace**
- Sat 19 March **Lake District visiting Aira Force Waterfall, Ambleside and Grasmere**
- Sun 20 March **Trentham Monkey Forest and Little Moreton Hall**
- Sat 26 March **North Wales visiting the Snowdon Mountain Railway and Betws-y-coed**
- Sun 27 March **Alton Towers**
- Sat 2 April **North Wales visiting Bodnant Gardens and Penrhyn Castle**
- Sun 3 April **Lake District visiting Windermere and Sizergh Castle**

Opening hours

Mon-Fri 9.30am - 7pm (during term time)

Mon-Fri 9.30am - 5pm (during vacation)

Small World Café opening hours

Mon-Fri 11am - 3pm

327 Oxford Road (next to Krobar)

0161 275 4959

email int.soc@anchester.ac.uk

www.internationalsociety.org.uk

Gig Guide

MANCHESTER ACADEMY 1, 2 and 3

Thurs 10 Mar

The Decemberists - £15.32 Adv

Bruno Mars - £15 Adv

Fri 11 Mar

Example - £14.30 Adv

The Rainband - £7 Adv

Sat 12 Mar

Example - £14.30 Adv

Caitlin Rose - £9 Adv

Billy Bragg - £16 Adv

Tue 15 Mar

Iron and Wine - £15.32 Adv

Thur 17 Mar

Whiplash - £15 Adv

Fri 18 Mar

Levellers playing 'Levelling The Land' + The Wonder Stuff - £23.49 Adv

Steve Lukather and Band - £23 Adv

Does It Offend You, Yeah? - £10 Adv

Sat 19 Mar

Chase and Status - £15.32 Adv

Silverstein - £12.50 Adv

Tue 22 March

Sonata Arctica - £15 Adv

Weds 23 Mar

The Maine - £11.23 Adv

Fenech Soler - £8.17 Adv

Thur 24 Mar

Dark Decadence Tour - £13.50 Adv

Funeral For a Friend - £15.32

Sat 26 Mar

The Stranglers + Wilko Johnson - £23.49 Adv

The Levi Roots Experience - £8 Adv

Van Der Graaf Generator - £20 Adv

Patrick Wolf - £12.50 Adv

Sun 27 Mar

Cee Lo Green - £23.50 Adv

Mon 28 Mar

Emma's Imagination - £10 Adv

Tue 29 Mar

New York Dolls - £23.50 Adv

Weds 30 Mar

Eliza Doolittle - £12.77 Adv

Thur 31 Mar

Peter, Bjorn and John - £12.77

Killing Joke - £19.50

Fri 1 April

Gary Numan - £25 Adv

Sat 2 April

Children of Bodom - £19.50 Adv

Tickets from:

Students' Union, Oxford Road

Piccadilly Box Office @ easy Internet Café (c/c)

0871 2200260

Royal Court (Liverpool) 0151 709 4321 (c/c)

Students' Union

Oxford Road, Manchester, M13 9PL

0161 275 2930

www.manchesteracademy.net

The Martin Harris Centre for Music and Drama

Thurs 10 Mar, 1.10pm

Quatuor Danel Lunchtime Concert With Oliver Triendl (piano)

The Cosmo Rodewald Concert Hall

Fri 11 Mar, 1.10pm

Opera Scenes

The Cosmo Rodewald Concert Hall

Fri 11 March, 7.30pm

Quatuor Danel Evening Concert with Oliver Triendl (piano)

From the heart of Haydn's classical mastery, to the warm embrace of Schumann's sunniest quartet, to the Ravelian impressionism of George Enescu's rarely heard but gorgeous piano quintet.

Sat 12 March, 7.30pm

University of Manchester String Orchestra and Chamber Orchestra

Time to forget the cold and welcome in spring with Yoshimatsu, Greig, Mozart, and Schubert.

Thurs 17 Mar, 1.10pm

Trio Atem

The Cosmo Rodewald Concert Hall

Fri 18 Mar, 1.10pm

VAGANZA invites CHIMERA: The Next Generation

The Cosmo Rodewald Concert Hall

Sat 19 March, 7.30pm

Manchester University Wind Orchestra

Picture Postcards 2: Europe

Thurs 24 Mar, 1.10pm

Richard Whalley Piano Recital: Child's Play

The Cosmo Rodewald Concert Hall

Fri 25 Mar, 1.10pm

Winds at One

The Cosmo Rodewald Concert Hall

Fri 25 March, 7.30pm

BBC Radio 3 Hungarian Chamber Music Series: CHROMA

Sat 26 March, 19.30

Ad Solem - University of Manchester Chamber Choir

Manchester's highly acclaimed Chamber Choir explore the music of the 16th century, including Tomás Luis de Victoria's Requiem.

Thurs 31 Mar, 1.10pm

Songs Old and New: Marcus Farnsworth: Baritone, Elizabeth Burgess: Piano

The Cosmo Rodewald Concert Hall

Fri 1 April, 7.30pm

PSAPPA The University of Manchester's Contemporary Ensemble in Residence

The European première of Grazioso!, inspired by Led Zeppelin, by one of today's leading British composers.

Fri 1 April, 1.10pm

GAMELAN DEGUNG: The University of Manchester's music students with guest.

The concert includes a selection of traditional and contemporary Sundanese repertoire.

Sat 2 April, 7.30pm

The University of Manchester Chorus and Symphony Orchestra

An exciting programme of American music conducted by Gregory Batsleer.

Tue 5 April, 7.30pm

University of Manchester Big Band

Director Patrick Hurley brings together the brightest young jazz musicians from across the University.

The Martin Harris Centre for Music and Drama

Bridgeford Street, Manchester M13 9PL

0161 275 8951/8950

email boxoffice@manchester.ac.uk

www.manchester.ac.uk/martinharriscentre



The Manchester Museum

SPECIAL EXHIBITIONS

CHINA: Journey to the East
until June 2011. A British Museum Tour supported by BP, a CHINA NOW legacy project. Find out about China's global impact in this major exhibition combining fantastic objects from the British Museum with stories from one of the world's fastest growing economies.

Health Rocks
until April 2011. Scientists believe doing five simple things a day can protect our mental wellbeing. This display and trail shows how the Museum could contribute to your five a day.

Stonehenge: Henge Diggers
until 17 July. Photos by Bill Bevan and emotive texts capture the feelings of archaeologists as they dig and make discoveries near this renowned sacred site.

After Life
As well as discovering the ancient Egyptians' beliefs about the after life, find out about some personal reflections, and potential options, for funerals and remembrance today. The After Life exhibits are displayed within the Ancient Egypt gallery.

FAMILIES

Tues 8 Mar, 3.30-5pm
International Women's Day Skills Swap Shop

Thurs 17 Mar, 12.30-1.45pm
Arguments and Umbrella Stands: Victorian Manchester's Natural History Collections

Sat 19 Mar, 11am-4pm
Big Saturday: The Body Experience
A day of hands-on activities about the body's organs and functions. Part of National Science and Engineering Week.

Sat 19 Mar
Young Curators' Exhibition

Mon 21 Mar, 12.30pm-1.30pm
Confucius Institute China talk: Travel within China

Wed 23 Mar, 3-4.30pm
Showcase Lecture: Timothy Taylor, author and archaeologist.
The Artificial Ape: Technology, Evolution and Humanity

Fri 25 Mar, 11am-12pm
Magic Carpet: Head, shoulders, knees and toes
Storytelling and activity session for under 5s.

Opening hours
Open: Tues-Sat 10am - 5pm
Sun-Mon (and Bank Holidays) 11am - 4pm
FREE Admission

The Manchester Museum
Oxford Road, Manchester
0161 275 2634
www.manchester.ac.uk/museum



John Rylands Library (Deansgate)

Wed 9 March, 1pm - 1.45pm
Enriqueta Rylands: Who do you think she was?
Curator tour and Close-up

Sat 12 March, 12pm - 1pm
Here be Dragons!
The walls and ceiling of the Library are full of strange and mysterious creatures - join our tour to seek them out!

Wed 16 March, 12pm - 1pm
Unusual Views: Library Tour for Photographers

Thur 17 March, 12pm - 12.45pm
Collection Close-up with Library Tour

Sat 19 March, 12pm - 1pm
Mrs Rylands' Footsteps
Explore the building and find out how to build a library the Mrs Rylands way!

Thur 24 and Sat 26 March, 12pm - 12.45pm
In like a lion...
The Library's collections contain a fascinating range of material concerned with the weather - a reflection, perhaps, of our national obsession!

Sat 26 March, 11am - 12pm
Enchanting Tales
Join the Library's storyteller in one of our beautiful book-lined rooms for tales of magic, mystery and mayhem!

Public opening hours
Mon 12-5pm, Tues-Sat 10am-5pm, Sun 12pm-5pm
Reader opening hours
Mon-Wed 10am-5pm, Thurs 10am-7pm, Fri-Sat 10am-5pm
FREE ADMISSION

The John Rylands Library
150 Deansgate, Manchester, M3 3EH
0161 306 0555
email jrl.visitors@manchester.ac.uk
www.manchester.ac.uk/library

Chaplaincies

St Peter's House Chaplaincy
11am Holy Communion
12.15pm Bible Study
12.45pm Lunch (first Sun)
6.30pm Evening Worship (term-time only)
FOYER 10am - 5pm
An area where students and staff can relax and meet friends. A tea/coffee machine is available.

RC Chaplaincy Avila House
Mass Times (term-time only)
Sun, 7pm (in the Holy Name Church) next door to the Chaplaincy
Mon - Tue - Thurs - Fri at 5.30pm in the Chaplaincy Chapel
Weds at 1.05pm in the Chaplaincy Chapel

The Jewish Student Centre and Synagogue
Hillel House, Greenheys Lane
0161 226 1139
Email rabbiiyy@hotmail.com
www.rabbiiyy.com

Muslim Chaplaincy
South Campus Mosque, McDougall Centre
Jammaat (Group Prayer) Daily
Juma Prayer Friday 1.15pm
Honorary Imam: Imam Habeeb, h_chatti@hotmail.com
North Campus Mosque, Basement of Joule Library, Sackville Street Building
Jammaat (Group Prayer) Daily
Juma Prayer Friday 12.30pm

The role of the Volunteer Muslim Chaplain is to provide pastoral support, guidance and a listening ear to Muslim staff and students

Chaplains' emails: a.sami99@yahoo.co.uk,
mbm1411@hotmail.com, assia_shah61@yahoo.co.uk,
hawwah@hotmail.com



The Whitworth Art Gallery

EXHIBITIONS

Mary Kelly: Projects, 1973-2010
until 12 June 2011
Four decades of projects by American artist Mary Kelly are brought together in the most comprehensive exhibition of her work ever presented.

Who Cares? If you only see the illness, you miss the person
opening 26 March 2011
Encounter an environment populated by portraits from the Whitworth's collection alongside work by Lucy Burscough.

CONTINUING EXHIBITIONS

- ROTOR: a Response (*until 13 March*)
- Stories of the World
- The Fireworks
- Private Paradise
- Family Allowance

SPECIAL EVENTS

Tues 8 March, 3.30-5pm, Free
Centenary of International Women's Day
Look around Love Songs, Mary Kelly's celebration of the Women's Movement and help us mark the 100th International Women's Day.

Tues 15 March, 2pm, Free
Mary Kelly: Projects, 1973-2010
Tour with Dominique Heyse-Moore exploring the four decades of Mary Kelly's artworks.

Fri 25 March, 6pm, £6/Students Free
The Piano
The story of a pianist and her daughter set in 19th century New Zealand, with a memorable score by Michael Nyman.

Sat 26 March, 10am-5pm, £25/£12
Symposium Dialogic Space: Mary Kelly
Mary Kelly, Juli Carson, Carol Mavor, Laura Mulvey and Griselda Pollock talk about the artist's work, concluding with a roundtable discussion chaired by Janet Wolff.

FREE EVENTS

We offer a range of FREE family workshops and events. Please visit our website for details.

www.whitworth.manchester.ac.uk/whatson/

The Whitworth Art Gallery
Oxford Road, Manchester
0161 275 7450
email whitworth@manchester.ac.uk
www.manchester.ac.uk/whitworth



The International Society



Supporting international students and promoting international friendship since 1966

- English and Foreign Language classes •
- Trips around the UK • Small World Café •
- Dance Classes • Opportunities for Volunteers •
- Families Groups • Cultural Evenings •
- Hospitality Scheme • Room Hire •

The International Society, 327 Oxford Road, Manchester M13 9PG
tel 0161 275 4959 email int.soc@man.ac.uk

www.internationalsociety.org.uk

The International Society is an independent, non-profit organisation
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the Together Trust



The Together Trust nurtures and encourages children, young people and adults with complex needs, to help them break through barriers, take control of their lives, and experience happiness and a feeling of self-worth. **We are looking for high calibre volunteers to express their support for us by taking an interest in our work and operational environment.** Members join us formally, for two events per year but also act as a conduit for future trusteeship and governance roles throughout the charity. If you have a track record of success within a profession, occupation or charity or have worked in some form of business relevant to our work then we'd love to hear from you. We are especially interested in attracting people from the higher education sector and UK universities.

For more information please contact Julie Isted for an informal, confidential discussion or application pack. There is no closing date for applications.

email ceoffice@togethertrust.org.uk

phone **0161 283 4790**

or visit www.togethertrust.org.uk

together trust

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First Impressions

The John Rylands University Library's outstanding collections of early printed books are being studied and made accessible to new audiences, thanks to an innovative project funded by the Museums, Libraries and Archives Council (MLA).

'First Impressions' focuses on the Library's world-class collections of incunables (books printed before 1501), and a group of historic printing presses, enabling visitors to experience for themselves the techniques of printing developed by Johann Gutenberg in the mid-fifteenth century.

A major outcome of the project is an interactive website, rich in images from the Library's collections.

The website tells the story of the 'explosion of print' between 1450 and 1500, triggered by the invention of movable metal type which made possible the mass-production of books.

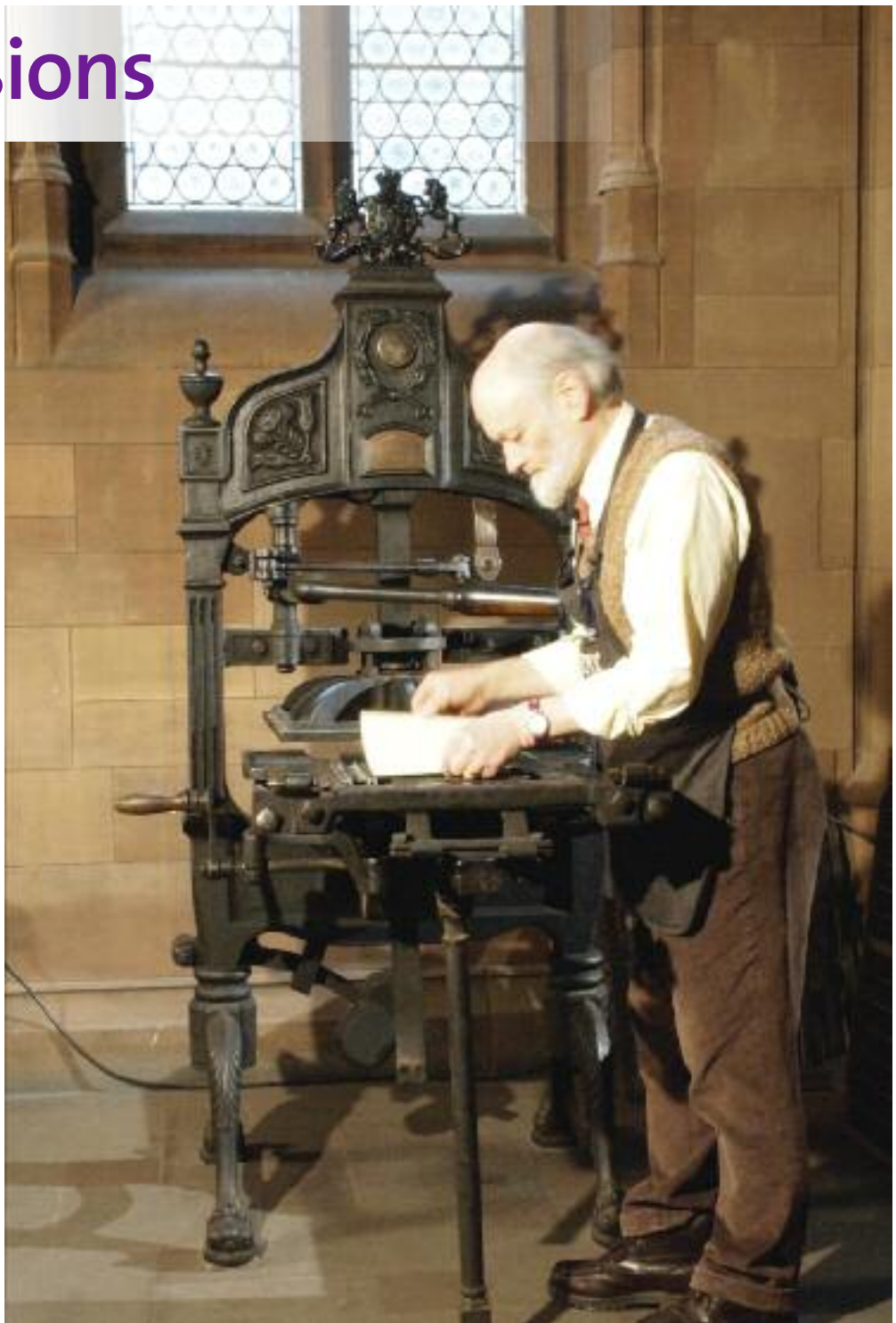
This unleashed major social and cultural changes, and played a crucial role in the Reformation. The transformation of information technology in the fifteenth century was just as dramatic as today's digital revolution.

The Library's magnificent Columbian iron hand-press, dating from the 1820s, has been restored to full working order, and is being used to deliver printing demonstrations, within a few metres of the early printed books on display in the Library's galleries.

Renowned expert on early printing, Dr Lotte Hellinga has researched the collections extensively and written a series of essays, charting the explosion of print from Germany to Italy, France, the Low Countries and England. She discusses many highlights from the Library's collections, and places them in their broader historical context.

Another key element of the project is the development of a series of educational resource packs on the theme of early print technology and its impact on social, religious, political and cultural history.

Over 600 schoolchildren have participated in print workshops, enabling them to experience first-hand the tactile pleasure of printing.



www.manchester.ac.uk/library/firstimpressions

News Contact

News and story ideas

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Next Issue Monday, 4 April 2011

J3189 02.11 The University of Manchester, Oxford Road, Manchester M13 9PL Royal Charter Number RC000797

