BENCH TO BEDSIDE
NHS Trusts set to merge with Imperial in UK's first Academic Health Sciences Centre.

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TOP TEN SUCCESS
Imperial climbs four places in THES World University Rankings.

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Top of the Profs
Imperial's new professors

CENTRE PAGES
New head for Population Biology
Georgina Mace, FRS, has been appointed Professor of Conservation Science and Director of the Natural Environment Research Council’s (NERC) Centre for Population Biology, Professor Mace joins Imperial from the Zoological Society of London, where she has been Director of Science since 2000. Her new role will see her leading a large team at Silwood Park Campus working on diverse research projects including biodiversity patterns, ecology and evolution.

MRC selects Kennard
Deputy Principal of the Faculty of Medicine, Professor Chris Kennard, has been selected for the Council of the Medical Research Council (MRC) by the Science and Innovation Minister, Lord Sainsbury, and will also chair the MRC’s Neuroscience and Mental Health Board. The MRC, which is publicly funded, aims to improve human health by supporting research and training scientists to meet the needs of the health services, the pharmaceutical and other health-related industries and universities.

Blunt named new Earth Science and Engineering head
Professor Martin Blunt has become the new Head of the Department of Earth Science and Engineering. Professor Blunt, whose research interests include improved oil recovery, carbon dioxide capture and storage, and how to extract low carbon energy from fossil fuels, was previously head of the Petroleum Engineering and Rock Mechanics research group. See the next edition for our feature A word with...Professor Blunt.

New institute adds up
A new centre focusing on the use of mathematics to tackle a host of global challenges has opened at the College. The Institute for Mathematical Sciences is a multidisciplinary enterprise applying mathematical understanding and techniques to issues including climate change and control of infectious diseases.

Higgins leaving for Durham
Chris Higgins, Director of the Medical Research Council Clinical Sciences Centre, will leave the College next year to take up the post of Vice Chancellor at the University of Durham. Professor Higgins' move takes him back to his alma mater from where he graduated with a degree in botany in 1976 and completed his PhD in 1979. He held posts at the Universities of Dundee, Oxford and California, Berkeley, before coming to Imperial in 1996, where he took on the role of Director of the CSC and Head of the Division of Clinical Sciences.

Historian gets fired up on the Queen’s Lawn
A flaming kettle lit up the Queen’s Lawn this summer when TV science historian Adam Hart-Davis dropped into the College for an afternoon’s filming for his new show, How London Was Built. The renowned science broadcaster watched as Dr Jon Gibbins from Mechanical Engineering gave an impressive demonstration of the combustion of coal gas, in the shadow of the Queen’s Tower. You can see this edition of How London Was Built on Thursday 2 November at 19.30 on ITV.

— Danielle Reeves, Communications

Wye update
Imperial’s Management Board has confirmed that the College will not proceed any further with its investigation into delivering a world class research centre, science hub and associated housing at its campus in Wye.

Since the announcement of the Concordat between Imperial, Ashford Borough Council and Kent County Council in December 2005, the College has been exploring its vision for sustaining and developing the campus in Wye that could have secured jobs locally and regionally, and led to scientific developments of global importance.

Having carefully considered all the issues involved, the project team has concluded that none of the scenarios for the vision would represent a wise, viable or desirable investment of public funds for Imperial and Wye.

Deputy Rector, Professor Borysiewicz, said: “I would personally like to thank the people in Wye and surrounding villages, particularly the Parish Council and other elected representatives, for their patience and cooperation over the last few months. As I said at the first public meeting in January, the views of local people would play a significant part in our decision-making process and I have appreciated the responses that have been received.

“The College remains committed to the high quality teaching that takes place at Wye and we will continue to support academic teaching activity there. This includes the highly successful Imperial College/University of Kent Applied Business Management undergraduate degree courses, Master’s degrees and the Distance Learning Programmes. As we stated in December 2005, we will review the arrangements with University of Kent in 2011.

We have no current plans to expand research and development at Wye, and we will not be instigating a search for a replacement to the vision project. Any decisions on future activity at Wye campus will, of course, be shared with local residents at the earliest opportunity.”

— Wendy Raeside, Communications
Game SET and match to Imperial

Three students and a member of staff from Imperial trounced the competition at this year’s national Science, Engineering and Technology (SET) Student of the Year awards.

Gabriel Keeble-Gagnere won Best Mathematics Student, whilst Marc Hull was given the award for Best Information Technology Student and Andreas Kyrtatos picked up the accolade for Best Mechanical Engineering Student. All three students beat off stiff competition from candidates from some of the UK’s other top universities, with only one student from Oxford and two from Cambridge winning similar awards in other categories.

Best Mathematics Student winner, 2006 graduate Gabriel Keeble-Gagnere, also went on to win the top GKN Award for the 2006 Science, Engineering and Technology Student of the Year, and a lecturer from his department, Dr Lynda White, was pronounced Lecturer of the Year 2006.

Gabriel’s personal tutor Dr Gerald Moore said: “I’m delighted that Gabriel has received these two national awards in recognition of all the hard work he has done and the student at Imperial, and in particular for his final year maths project on simple groups. He was a talented, conscientious student who worked extremely hard throughout his course. It’s great to see his outstanding efforts rewarded at the SET awards.”

Dr Lynda White added: “It’s an honour and a privilege to be named Lecturer of the Year, and a real success story for mathematics at Imperial for both myself and Gabriel to have been singled out in this way. I’ve been lecturing in statistics at Imperial for 35 years now and I still really enjoy the challenge of working with some of the brightest young mathematicians in the country—it’s wonderful to be recognised for the work that I love doing!”

— Danielle Reeves, Communications

Top ten hit in World University Rankings

Imperial is the ninth best university in the world, according to the latest Times Higher Education Supplement table.

The College is one of only three non-US institutions in the top 10 of last week’s World University Rankings, jumping from thirteenth in last year’s survey.

Welcoming the result, the Rector said: “Above all, this is a tribute to the world class staff we are able to attract, both academic and non-academic.”

— Abigail Smith, Communications

Bench to bedside vision moves forward

Over the summer, the Boards of St Mary’s and Hammersmith Hospitals NHS Trusts resolved to pursue a merger to become the UK’s first Academic Health Sciences Centre (AHSC) in partnership with Imperial.

The goal would be to achieve a merger of the Trusts and their services, and closer working with Imperial’s Faculty of Medicine through a new governance structure formally integrating clinical service delivery, teaching and research, by 1 April 2007. This ‘bench to bedside’ approach—the formal integration of hospitals with medical education and research institutes—is in place in other parts of the world and is yielding improvements and better clinical outcomes for patients.

The decision followed a four-month review period and discussions with staff, and Imperial’s decision to endorse the move at its July Council meeting, the organisations believe the creation of the UK’s first AHSC would enhance the services provided to patients and promote London’s position as a key player in the global health market.

The merger would be subject to staff, patient and public consultation, plus NHS London and Department of Health approval.

— Tom Miller, Communications

Independence by 2007

Imperial’s formal request to withdraw from the University of London was accepted at last week’s meeting of the University of London Council. The terms of the withdrawal were agreed by the Councils of both institutions during the summer.

Imperial expects to become wholly independent in July 2007, to coincide with its Centenary. It will now apply to the Privy Council to make the necessary changes to the Charter, Statutes and the Medical Act.

The first students to register for an Imperial degree will be able to choose whether to switch to an Imperial degree.

Sir Graeme Davies, Vice Chancellor of the University of London said: “Like any other institution, and in keeping with its own history, the University of London continues to evolve. After nearly 100 years as a member of the federation, Imperial has now considered it appropriate to withdraw, while only last year the Central School of Speech and Drama successfully sought membership”.

Rector, Sir Richard Sykes, said: “This is a major step on our road to full independence and I’m particularly pleased that we are able to manage it in time for our 100th birthday. My thanks go to the University of London for their cooperation.”

— Abigail Smith, Communications
media mentions

— ABIGAIL SMITH, COMMUNICATIONS

THE SCOTSMAN 11.08.06

Scary liquids can escape screening

The liquid explosives, thought to be at the centre of this summer’s airline security scare, would be easy to make or obtain, according to Professor Hans Michels, Chemical Engineering and Chemical Technology. Explaining in The Scotsman why airlines were banning all liquids on board aeroplanes, he says of the explosive: “It can be colourless, pale yellow or brown, but you can add colour to make it resemble anything you like, such as fizzy drinks or even baby food. In a handbag under an X-ray machine, it would just appear that you were carrying a harmless liquid; there would be no way of picking it up.”

THE GUARDIAN 09.08.06

Are you dancing? Barry’s asking

Despite undergoing hip surgery, Barry Manilow should not think about hanging up his dancing shoes just yet. According to Professor Justin Cobb, Surgery, Oncology, Reproductive Biology and Anaesthetics, the 61-year-old showman could find that shaking his booty to hits such as Copacabana is the key to a healthy old age. Commenting in The Guardian that dancing is very good for the elderly because it keeps bones strong and the heart active, Professor Cobb says: “One should encourage dancing. Professional dancers are extraordinarily fit.”

THE FINANCIAL TIMES 12.09.06

Space Station lift off was a let down

The scientific worth of the International Space Station was put under the microscope again this summer, when the space shuttle Atlantis docked to deliver new equipment. Among critics disappointed by what the station has achieved is Professor Andre Balogh, Physics, who tells the Financial Times: “When it was first conceived in the 1990s, it was going to be much more ambitious, but it has had to be scaled down because of costs and is now a shadow of its former intention.”

Generating Genius in the community

An exciting new project aimed at raising aspiration and achievement among Afro-Caribbean teenage boys was launched at Imperial College in August adding to the College’s sizeable summer school programme. The scheme aims to provide incentives for the teenagers, often from failing schools, to pursue their passion for science and to nurture talent in the community.

A group of 25 boys aged 12 and 13, from London and the south, spent three action-packed weeks at the College under the Generating Genius scheme, gaining hands-on experience of science, engineering and medicine. This innovative scheme is supported by Imperial College, the charity Generating Genius and Exscitec.

Over the next five years the group will return to Imperial and other institutions every summer to build on their skills and, as they get older, receive help with preparing for university.

The summer school was divided up into three strands: chemistry, robotics and engineering, and life sciences. Activities included lectures and experiments. At the end of each week each group of boys presented their work to a panel made up of Imperial academics and representatives from the funding bodies, the Learning Trust and the Sutton Trust.

Dr Tony Sewell, Chief Executive of the Generating Genius project explained: “The programme was started by myself in 2005, in response to the lack of black British students present in our top universities. I wanted to change this and also make a difference amongst boys who were clearly brilliant at science but were never chosen for special attention. Imperial should feel proud that they are partners in this innovative venture.”

“The boys loved the competitive element and responded well to being stretched,” added Dr Mark Richards, Physics, who was the academic coordinator for the project and is an active member of the Imperial as One BME group at the College, which raises the profile of equality issues and ensures equal representation.

Feedback from the group was very positive, one boy commented: “I have learnt more than I would learn in school in a whole year during this scheme.”

— NAOMI WESTON, COMMUNICATIONS
Innovative flotation

Imperial Innovations, the technology commercialisation company majority owned by Imperial College, admitted its shares to trading on AIM on 31 July 2006.

The company raised £26 million at flotation, the first undertaken by a university-based technology transfer company in the UK. A public offer enabled staff to buy shares at the same price as institutional investors and contributed £1 million towards the gross proceeds.

The proceeds will allow Imperial Innovations to invest to a greater level in more early stage spin-out companies from the College. The company will also have the flexibility to work with other external investment partners, companies and entrepreneurs.

Imperial Innovations was established by Imperial College in 1986 to realise the full commercial potential of its research. Since then, the company has concluded over 100 intellectual property agreements arising from the College’s research activity and currently has equity holdings in 58 spin-out companies.

Sir Richard Sykes, Rector of the College, said:

“Our universities are powerhouses of innovation and it is vital for the UK’s economy that we get our best ideas out of the laboratory and into the marketplace quickly. Imperial College is world renowned for carrying out leading edge research, and Imperial Innovations has a track record of making this research commercially viable. The flotation will provide Imperial Innovations with the capital to go on to develop its business further and that in turn will feed back into developing the College’s intellectual property.”

— Caroline Gaulter, Communications

Fifty-year bond

Imperial has taken out a £50 million private placement to support its world class teaching and research.

The unsecured funding, borrowed on a 50-year term, will support the College’s academic mission, as well as providing capital for new student facilities and other estate projects.

With a highly competitive cost of funds (below five per cent), the private placement demonstrates the value placed on the College by the financial markets. It provides the College with a pool of freely disposable capital to invest at its discretion, and means the College is not wholly reactive to changes in the external funding environment.

The Rector said: “We are borrowing these funds from a position of financial strength. Universities are not businesses, but they must still be managed according to a sound financial strategy. The fact that we have received this loan on such favourable terms is a good sign that at Imperial we are doing just that.”

The College’s total borrowing facilities now amount to £173 million, following financings arranged in 2003 and 2005.

— Abigail Smith, Communications

A fresh outlook on accommodation

Last month saw busy scenes in Evelyn Gardens as Imperial freshers moved into their halls of residence. This year around 3,000 students will be living in Imperial or University accommodation.

— Naomi Weston, Communications

Southside halls a step closer

Imperial’s new Southside halls of residence in Prince’s Gardens took a further step to completion with the ‘topping out’ ceremony that took place last week.

The Rector laid the final piece of concrete and planted a sprig of yew to bring good fortune to those who use the building. Explaining that this event celebrates a milestone in the development of these new state-of-the-art halls he explained:

“These new halls of residence will reinforce Imperial’s position as a leading residential university attracting high quality students and staff to whom access to good quality affordable accommodation is key, especially in central London. This project is the largest ever taken on by Imperial with College funds, and our project time scale is tight – we want students commencing their studies in the autumn of 2007, the College’s Centenary year, to enjoy the benefits of this new accommodation.”

The project forms part of a scheme to enhance the environment of Prince’s Gardens, with the outdated accommodation replaced with two new buildings that are in keeping with the original sense of the area.

— Naomi Weston, Communications

Visit http://ichelix1.cc.ic.ac.uk/ramgen/mediaskool/events/southside_topping_out.rm to watch a video of the event.
Imperial’s rock stars

Asteroids in orbit between Mars and Jupiter have gained a new identity over the summer after being named after three Imperial meteorite experts. Drs Phil Bland, Matthew Genge and Mark Sephton are among around fifty scientists honoured by the International Astronomical Union (IAU) at the recent annual meeting of the Meteoritical Society.

The IAU bestows asteroid names on planetary scientists once every three years, in recognition of their contributions to the discipline.

The asteroids are all main belt asteroids, left over from the formation of the solar system. The designation of these bodies is now: 6580 Philbland, 6626 Mattejenge, and 7552 Septohon.

Dr Phil Bland, honoured for his work on the origins of the solar system and on impacts, said: “It’s funny to think there’s a four-kilometre-wide rock out there with my name on it. Having studied impacts, I somehow can’t help but hope that it might collide with something—preferably Mars or the Moon rather than the Earth. It would make a big bang.”

In contrast to Dr Bland, Dr Genge, honoured for his work on micrometeorites, is worried about collisions. He said: “6626 Mattejenge is already coming quite close to Mars. The orbits of asteroids change and in the future it will probably become an Amor, a Mars-crosser. Around 50 per cent of these collide with the red planet. My seven kilometres of prime asteroid real estate could turn into a hole in the Martian surface. Even worse it might survive to become an Earth-crosser in a few million years, and prompt an impact scare. Imagine the headline ‘Mattgenge fails to make an impact’ as an epitaph.”

Dr Mark Septohon, whose work on the organic molecules within meteorites was honoured, said: “My kids are going to love this. With the name ‘Septohon’ that makes 7552 a family asteroid, although it’s a bit far away to make a decent holiday home.”

— LAURA GALLAGHER, COMMUNICATIONS

Energy Futures Lab links with Abu Dhabi

Al Masdar (The Source) is an exciting new initiative that will see the development of world class research, teaching and commercialisation of sustainable energy technologies in Abu Dhabi. It will successfully build local capacity and meet regional strategic objectives for economic growth and environmental control, and the development of local human capital.

In a significant early step to launching Al Masdar, a delegation from Imperial representing the Energy Futures Lab has signed a Memorandum of Understanding (MoU) to develop the research network and to explore potential new research projects. The Imperial delegation included Dr Tidu Maini, Pro Rector for Corporate Development, Professor Nigel Brandon, Executive Director of the Energy Futures Lab, Dr Tariq Ali, Paul Docx and Omar Cheema. Imperial is joined in this process by RWTH Aachen, which together with Imperial forms part of the IDEA league.

Signing the MoU on behalf of Imperial, Dr Maini said “The College’s research strategic mission has at its centre the three key areas of energy, environment and healthcare. We will bring to the project our deep technical skills and extensive experience in multidisciplinary sciences to tackle the important and ambitious challenge of solving the problem of carbon emission reduction that faces the world community.”

The event in Abu Dhabi was presided over by the Crown Prince, His Highness Sheikh Mohammed and attended by senior representatives from many international energy companies.

— ABIGAIL SMITH, COMMUNICATIONS

Tokyo collaboration

The President of the University of Tokyo, Professor Hiroshi Komiyama, visited Imperial at the end of September to seal an agreement for collaboration between the two universities in research, education and training. Professor Komiyama and the Rector signed an agreement that provides an opportunity for both institutions to work together leading to cooperation in a number of fields. The signing of the agreement was followed by a joint two-day symposium on climate change, involving researchers from both institutions as well as speakers from industry.

A magnetic event

A world class, cross faculty centre for Nuclear Magnetic Resonance (NMR) spectroscopy and the complementary-Waters Laboratory of Molecular Spectroscopy were both launched at Imperial last month. The new £5 million, SRIF-funded NMR facility features an extremely powerful shielded magnet. The Waters Laboratory contains high-end equipment for mass spectroscopy, which will complement NMR facility’s work on defining the structure of molecules. The lab is named after the US Waters Corporation, which has funded $1 million spectroscopy equipment for the lab.

Addressing animal testing

Two research teams from Imperial will develop new ways to reduce the use and suffering of animals in medical testing, thanks to new grants announced in July. The annual grant round of the National Centre for the Replacement, Refinement and Reduction of Animals in Research (NC3Rs) has made awards totalling over £300,000 to Dr Michael Emerson from the Division of Biomedical Sciences, and Professor Sian Harding and Dr Nadire N. Ali of Biomedical Sciences, and Professor Michael Emerson from the Division of Business.

Opening the gates for HIV vaccine

The Gates Foundation announced 16 grants totaling $387 million over the summer to create an international network of highly collaborative research consortia focused on accelerating the pace of HIV vaccine development. The grants will bring together more than 165 investigators from 19 countries. Imperial’s Dr Steven Patterson has received $9.2 million for his consortium which will work to address a potentially major shortcoming of the leading vaccine approach for eliciting cellular immunity to HIV. Dr Patterson’s consortium will also focus on testing a system for delivering an HIV vaccine by skin patch.
Initiative to tackle neglected diseases

A new collaborative programme to reduce the impact of neglected tropical diseases in developing countries was launched in September. Imperial College is one of the partners in the programme funded by the US Agency for International Development (USAID). The scheme aims to treat more than 40 million people annually for five years.

The project is one of the first large scale efforts to integrate existing disease-specific treatment programmes that currently treat millions of the world’s poorest people.

Under the terms of the cooperative agreement, worth $100 million, US research organisation RTI will lead a team that includes the Schistosomiasis Control Initiative (SCI) at Imperial. the SCI, led by Professor Alan Fenwick, Department of Infectious Disease Epidemiology, aims to assist countries in sub-Saharan Africa to control the parasitic disease schistosomiasis and intestinal worm infections.

Ministry’s highest honour

In addition, Professor Fenwick received a gold medal for services to health from Niger’s Minister of Health on 29 September. The medal recognises Professor Fenwick’s work in improving the health of the poor in Niger.

Professor Fenwick received his medal, the Ministry’s highest honour, at the opening of a new laboratory and office space for neglected tropical disease programmes in Niger.

At the event, Professor Fenwick presented the Minister of Health with keys to a new Toyota Hilux and 17 motorcycles for Niger’s National Schistosomiasis and Soil Transmitted Helminth Control Programme (PNLDBG), to support delivery of drugs to rural areas.

— LAURA GALLAGHER, COMMUNICATIONS

Size doesn’t matter

The evolution of miniature or ‘dwarf’ versions of animals like elephants and hippos on islands is caused by lack of competition for food and the absence of predators, and not just because they are too large for their habitats, new research has claimed.

The study, published in last month’s issue of the journal *Evolution*, examines the phenomenon of the ‘island rule’, which states that large mammals on islands evolve to be significantly smaller than their counterparts living on large continental land masses.

The researchers examined the fossilised remains of small elephants and other miniaturised mammals living on various sized Mediterranean islands in the Pleistocene and Holocene epochs, between 1.8 million and 4,500 years ago. Their findings suggest that this evolutionary tendency is caused by the specific way that predators, prey and competitors for food interact in island ecosystems. They also found evidence that miniaturisation occurs for distinctly different reasons in carnivores and herbivores, and that herbivores are more dramatically affected by the phenomenon.

Imperial’s Dr Shai Meiri from the NERC Centre for Population Biology, one of the researchers, said: “Our study has shown that large mammals do not simply ‘shrink’ in response to the small size of their island homes. By comparing fossils of elephants from a number of islands of various sizes, we saw clearly that species’ miniaturisation did not occur relative to the size of the island they inhabited. The complex interaction between mammals, their food and their competitors drives the evolutionary process, allowing mammals, particularly herbivores, to minimise their size whilst maximising their reproductive effort.”

— DANIELLE REEVES, COMMUNICATIONS
New professors take centre stage

“I first came to Imperial when I was just 17, as a new undergraduate. I have managed to escape for two short periods since then—three years in Cambridge for my PhD in the 1980s, and a couple of years of postdoctoral work at Queen Mary College in the 1990s. But I have now given up trying to escape the pull of the long, invisible bungee by which I seem to be attached to the Queen's Tower.

I'm very pleased to become a professor, of course. But what really matters is the research you do, not the title people give you. I hope we're not too far from the ideal world in which the title is a true reflection of the value of a person's research.

The best moments in research are when you get a flash of inspiration into something deep and important. In my field, this would be some sort of insight into the nature of human cognition. But there's a huge gap between thinking you've understood something and demonstrating that you're right. That's where the hard graft comes in, which often turns out to be wrong after all, of course.

Our understanding of the biological basis of cognition and consciousness is slowly deepening. The computing power available to model and study these things continues to increase. And the robot hardware we can use as an experimental platform is becoming ever more sophisticated, with low-cost humanoids not far off. I think putting these three things together will make the next couple of decades very interesting indeed.”

“I first came to Imperial in 1999. Prior to that, I worked as a clinician in the NHS. I also held the position of Associate Dean for Postgraduate Medicine at the University of London and spent some time working at Health Systems Resource Centre of the UK Department for International Development with responsibility for Europe and Central Asia.

It's clearly a great privilege to be made a professor, especially by somewhere like Imperial and I'm looking forward to closer research collaboration with colleagues in other departments.

The international focus of my research makes it very diverse and interesting and I very much enjoy the multidisciplinary aspect. The issues we explore, for example HIV and Tuberculosis, are of global importance and through our research findings we have the chance to engage with senior policy makers and make a real difference in the countries we work in. Being an ex-clinician in a business school environment means I can look at issues from a management perspective and hopefully offer a fresh approach to analysing and addressing problems.

In the future I would like to see further growth of our research themes. First, analysis of how health systems and contextual factors influence the uptake and diffusion of complex health innovations, and second how we can better use new technologies in different countries of the world to enhance delivery of healthcare services. I hope to expand my research team and strengthen my links with other centres of research excellence who work in my field, particularly in Europe, the US and Japan.”

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**Sergei Kazarian**
Professor of Physical Chemistry, Chemical Engineering and Chemical Technology

**Julian Bommer**
RAE/BE Professor of Structural Integrity, Mechanical Engineering

**Bassam Izzuddin**
Professor of Computational Structural Mechanics, Civil and Environmental Engineering

**John Cosgrove**
Professor of Structural Geology, Earth Science and Engineering

**Robert Hill**
Professor of Biomaterials, Materials

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**Kamran Nikbin**
RAE/BE Professor of Structural Integrity, Mechanical Engineering

**Alfried Vogler**
Professor of Molecular Systematics, Biology

**Nigel Gooderham**
Professor of Molecular Toxicology, Biomedical Sciences

**Elaine Holmes**
Professor of Chemical Biology, Biomedical Sciences

**Andrew Dorward**
Professor of Development Economics, Centre for Environmental Policy

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**Jimmy Bell**
Professor of Biochemistry, Clinical Sciences

**Niall Dillon**
Professor of Molecular Genetics, Clinical Sciences

**Joanne Webster**
Professor of Parasite Epidemiology, Epidemiology, Public Health and Primary Care

**Christoph Tang**
Professor of Infectious Diseases, Investigative Science

**Tracy Hussell**
Professor of Inflammatory Disease, Kennedy Institute of Rheumatology

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**Rifat Atun**
Professor of International Health Management, Tanaka Business School

**Murray Shanahan**
Professor of Cognitive Robotics, Computing

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I started as a postdoc in the Physics Department 17 years ago as the first ‘Greenpeace Fellow’, working with Professor Keith Barnham on a new type of solar cell. With a few breaks, I have been here, researching new materials for solar energy conversion, ever since. Becoming a professor hasn’t quite sunk in yet. I lost my boyfriend Thomas in a road accident over a year ago and, since then, everything that happens feels as though it is happening to somebody else. But when the news was announced publicly I was really moved by the nice messages from colleagues and friends. I owe special thanks to my collaborators Professor James Durrant and Professor Donal Bradley. Also to my head of group Professor Gareth Parry and my cousin Sarah who persuaded me to apply for promotion. I can’t get used to the title though; I still think Professor J. Nelson is my mum!

I work on the application of molecular electronic materials to solar energy conversion. The field is exciting because the conversion of sunlight into electricity has such enormous potential, whilst a lot of fundamental research remains to be done to understand these new materials. The combination of a compelling motivation and the potential for important scientific discoveries has attracted some really outstanding students and young researchers to the field. I have been privileged to work with them.

When I started at Imperial, no conventional funding agencies were interested in solar energy materials research in the UK. Nowadays, with the increasingly urgent need to find sustainable sources of energy, energy research has become a high priority. In the future I anticipate a much stronger focus on direct application of our materials to power generation.”

“"I originally went to work in the Department of Respiratory Medicine at Charing Cross Hospital Medical School in 1980. Following the merger with Imperial College I moved to the National Heart and Lung Institute in 2000. Obviously I’m pleased to be made a professor, not just for myself but for all the people I’ve worked for, and those who have worked with me, as they have contributed to my success. My family are also delighted; they have supported me throughout. I feel a huge sense of achievement and it is gratifying that my research effort and teaching have been recognised in this way. I have been very fortunate to work in a clinical setting, collaborating with clinicians and surgeons, with access to human material, to develop unique in vitro models to investigate the intricate mechanisms involved in pulmonary inflammation. The merger with Imperial has opened many other interesting, multidisciplinary opportunities and collaborations. In the future I would really like to dissect out the important cellular mechanisms involved in the inflammatory and immune responses of the lung to inhaled toxicants, e.g. tobacco smoke, nanoparticles, micro-organisms, so we can identify therapeutic targets.””
What does it mean to be a Dean?

Professor Jeff Kramer in the Department of Computing is the new Dean for the Faculty of Engineering and the Business School, taking over from Professor Dick Kitney in Bioengineering, who becomes the Senior Dean. Professor Jackie de Belleroche in the Department of Cellular and Molecular Neuroscience is the new Dean for the Faculty of Medicine (Non-Clinical).

The College has six Deans, who are Professors elected by senior academic members of the area which they represent. They act on behalf of their colleagues as spokespeople for academic opinion and they chair the appropriate Studies Committees in their area.

Laura Gallagher met Professors Kramer and de Belleroche to find out what their new role means to them.

What are you hoping to bring to your new role?

JK— I have been at the College for over 30 years in almost every possible role, from student to Professor and from Director of Studies to Head of Department. I hope that this breadth of experience of academic life here, tempered by a sense of humour in dealing with everyone, will provide me with the right background for the job. I like new roles and interesting challenges, so enthusiasm is probably another characteristic that I would hope to contribute.

JdB— I come to this position with substantial experience and a strong commitment to teaching and research in medicine especially in the area of neuroscience. I have had the chance to engage in a number of international collaborations both in academia in Europe and the US and with industry in the UK and most recently in India and I think that this provides a valuable perspective of what can be achieved in research and potentially translated to treatment. In my new role as representative of the academic community, I hope to facilitate and support the success of the College as a world leader in scientific achievement.

What, for you, will be the most interesting aspect of it?

JK— The main responsibility of a Dean is to maintain our high academic standards and to preserve our academic ethos across the College. What exactly this means and how it can be achieved is still a mystery to me. I look forward to discovering all the aspects that contribute to our standards and ethos, and in trying to formulate ways in which these may be improved.

JdB— This is a very active phase in strategic development within the Faculty of Medicine with the move towards the formation of an Academic Health Sciences Centre between St Mary’s and Hammersmith Hospitals NHS Trust and Imperial, the consolidation of research and teaching on the Hammersmith Campus with “state of the art” facilities and the ongoing development of new strategic initiatives in research and teaching taking place on all College campuses.

What part of your new role do you expect to find the most challenging?

JK— A major challenge in Engineering is to encourage more students into our discipline, and to recognise the excitement that it offers. The quality of our academic staff is clearly critical. Appointments and promotions are key processes in finding and retaining good people. I look forward to gaining greater insight into the promotions and appointments process across the College, but recognise that a major challenge will be in dealing with subjects about which I know nothing.

JdB— I know that this will be an active and challenging time, which will include a highly significant period in the history of the College with the celebration of its Centenary, but that is also what is most appealing about the position and I look forward to meeting the challenges.

— Laura Gallagher, Communications

MEP learns about MRSA

July saw John Bowis, Conservative MEP for London, visit Imperial as part of the Royal Society’s MEP–Scientist Pairing Scheme.

John Bowis met with Dr Mark Enright, an expert in MRSA, to find out what scientists do. As part of the scheme, Dr Enright has also been to Brussels to gain a better understanding of the political process.

As well as discussing how scientists work and what they do day to day, Dr Enright also explained what MRSA is, and how he hopes to use his research at Imperial to tackle it. He said:

“Science and politics can often seem at opposite ends of the spectrum, with little in common. However because of the complicated nature of problems such as MRSA, a combined approach between policy makers and scientists will prove essential. Schemes such as this one... can make a huge difference in bridging this divide, and hopefully help provide better solutions.”

John Bowis is the Conservative MEP for London and the party’s spokesman on Health and Consumer Affairs in the European Parliament. He serves on the Parliament’s Environment, Public Health and Food Safety Committee as well as the Development Committee.

The MEP-Scientist Pairing Scheme aims to give scientists better awareness of policymaking at the European level. It also helps parliamentarians understand the scientific process by facilitating access for MEPs to a network of young research scientists. It is hoped this will help to bring high quality scientific advice into EU policy discussions and contribute to wider public understanding of the EU and its institutions.

— Tony Stephenson, Communications

Imperial’s Mark Enright (right) enlightens MEP John Bowis on all things MRSA
Thumbs-up from students

Imperial scores highly with its students, according to a countrywide student feedback scheme published this summer.

The results of the National Student Survey show that the College has a strong overall satisfaction score with a result above the average for the sector.

Provision of learning resources, which includes library services, IT resources and specialisation equipment, is a particular strength, with Imperial receiving the top score in the country. Organisation and management, covering issues such as the timetabling of courses, is also rated highly by students, with feedback placing it in the national top 10.

Professor Rees Rawlings, Pro Rector, Educational Quality, said:

“We take student feedback very seriously so it’s great to get this result, especially as we know Imperial students are rightly demanding about the quality of experience they get here.”

In addition to taking part in the National Student Survey, Imperial carries out its own detailed online evaluation of students’ experiences. This scheme, praised in recent Quality Assurance Agency reviews, allows departments to respond directly to specific feedback. External reviewers also carry out large scale reviews every five years in each department.

The National Student Survey, carried out for the second year running, is part of the Teaching Quality Information initiative and gathers student opinion on all aspects of university life including teaching, academic support and assessment and feedback.

— Abigail Smith, Communications

> The full NSS results can be viewed on the Teaching Quality Information website at www.tqi.ac.uk

Imperial adds six Royal Academy Fellows

Heads of Department and Division past and present were among six Imperial academics celebrating in July after being elected Fellows of the Royal Academy of Engineering.

Professors Mike Graham, former Head of the Department of Aeronautics; Morris Sloman, Deputy Head of the Department of Computing; Andrew Livingstone, Department of Chemical Engineering and Chemical Technology; Peter Cawley, Department of Mechanical Engineering; and Geoff Maitland, Department of Chemical Engineering and Chemical Technology; were all elected.

They are joined by Professor Sir Ara Darzi, Head of the Division of Surgery, Oncology, Reproductive Biology and Anaesthetics in the Faculty of Medicine, who is awarded an Honorary Fellowship.

The Rector said: “I am extremely pleased and excited that of the 34 new Fellows of the Royal Academy of Engineering elected this year, six are from Imperial. This is a fantastic achievement and I would like to congratulate them all.”

— Laura Gallagher, Communications

> For the full story, including quotes from the new fellows, visit http://www.imperial.ac.uk/P7960.htm

Awards and honours

Fellowship for Darzi

Professor Sir Ara Darzi has been awarded a Fellowship ad honorem by the Royal College of Surgeons of Edinburgh for his pioneering work in surgery. Sir Ara, Head of the Division of Surgery, Oncology, Reproductive Biology and Anaesthetics at Imperial, is one of the UK’s leading surgeons in the field of minimally invasive and robot assisted surgery, having pioneered many new techniques and technologies.

Barber receives Wheland Medal

Professor Jim Barber, FRS, of the Division of Molecular Biosciences, has received the prestigious Wheland Medal and Award from the University of Chicago. The medal, awarded every two years, recognises international outstanding contributions to chemistry. It is given to Professor Barber in acknowledgement of his 40-year career researching photo-synthesis and the way that plants use sunlight to split water into its component parts: oxygen and hydrogen.

EPSRC Research Fellowships

Energy Futures Lab director and fuel cells expert, Professor Nigel Brandon, has been appointed as the Engineering and Physical Sciences Research Council’s (EPSRC) Energy Senior Research Fellow. Professor Brandon will be providing advice and undertaking profile-raisng activities for UK energy research, supported by the Research Councils’ Energy Programme.

He will be dividing his time between these activities and his research at Imperial. In addition, Professors Jerome Gauntlett, Department of Physics, and Martin Bridson, Department of Mathematics, were awarded prestigious Senior Research Fellowships—of which the EPSRC only awards six nationally every year. And last but not least, Dr Andrew Ho, Physics, and Dr Lionel Rossi, Aeronautics, have been given Advanced Research Fellowships—awarded to outstanding researchers with between three and 10 years’ postdoctoral experience.

Degussa Business award for Cowburn

Professor Russell Cowburn, who has shown that magnetic microchips can store hundreds of gigabytes of information, has been awarded the Degussa European Science-to-Business Award 2006. The award consists of a £100,000 cash prize and the opportunity to attend a business management course at INSEAD, a leading French business school.

Professor Cowburn will also receive business planning consultancy services from Degussa to help with his plan to commercialise the spintronic technology.

Royal Medal for Pendry

Professor Sir John Pendry, Department of Physics, has been awarded the prestigious Royal Medal by the Queen. The award was made in recognition of Sir John’s seminal contributions in surface science, disordered systems, photonics and, most recently, in metamaterials and the concept of the perfect lens.

Kitney recognised by Royal College of Surgeons

Professor of Biomedical Systems Engineering, Dick Kitney, has been awarded the prestigious Honorary Fellowship of the Royal College of Surgeons. He is the first engineer ever to receive an Honorary Fellowship of the Royal College, according to the College’s President Bernard Ribeiro. Professor Kitney, has over 25 years’ experience of biomedical signal and image processing, medical informatics and the application of computers to healthcare. He was Imperial’s first Head of Bioengineering and has worked on areas including the study of arterial disease, cardiopulmonary control and three-dimensional visualisation techniques.

Good news for Imperial as the College fares well in this year’s National Student Survey

The full NSS results can be viewed on the Teaching Quality Information website at www.tqi.ac.uk

For the full story, including quotes from the new fellows, visit http://www.imperial.ac.uk/P7960.htm
student voice

Siobhán Kohli-Lynch is a second year Mechanical Engineering undergraduate. Siobhán kicks off this term’s first edition of Student Voice by writing of her endeavour to find out why so few women choose to study engineering.

“I’ve often wondered why so few young women choose to study engineering. In summer 2005 I had the opportunity to travel to Canada to investigate just that; I undertook a travelling fellowship about ‘Schemes Encouraging Young Women to Study Engineering’. I had already worked for a year in an engineering company and although I was aware that engineering is male dominated, I was surprised by the total lack of females. My Canada project was funded by the Winston Churchill Memorial Trust, an organisation which awards about 100 fellowships each year in a wide variety of fields.

This was a fantastic opportunity to travel another country whilst undertaking a relevant and useful project. Why Canada? The mixture of cultures makes it a great place to travel in and fascinating to study. I was particularly interested in how the proportion of female engineers varies between French and English-speaking Canada.

What makes engineering such an unattractive profession to young women? I found that girls often aren’t even considering engineering at school, put off by its perception as being too difficult, too heavy and too trade-based.

Therefore, it is important to see and encourage other women in engineering, and later in life, it is important for young female engineers to know enough about engineering to keep the option of studying it open.

It is vital to see and encourage other women in engineering, who probably have the same difficulties and worries as you.

• Gender stereotypes should be avoided, so that girls feel positive about science.
• When subject choices are being made in secondary school, girls must know enough about engineering to keep the option of studying it open.
• Later in life, it is important for young female engineers to see someone ahead of them in a mentoring type role.
• Networking and socialising with other female engineers is important in an industry dominated by men.
• It is vital to see and encourage other women in engineering, who probably have the same difficulties and worries.

The trip lasted six weeks and was the opportunity of a lifetime. I visited numerous prestigious universities, and in talking to so many people, was able to make some recommendations about what we in Britain should do to encourage more young women to study engineering:

The completion of the fellowship required the submission of a report within six months of returning from Canada. After this was accepted, I was invited for a presentation, so on 6 June this year, I went to Buckingham Palace to receive a medallion from the Queen! It was fascinating to talk to other fellows who have travelled all over the world to study such diverse subjects, from seventeenth century weaving in France to an expedition to the North Pole.

The fellowship was an amazing experience, and I hope to be able to put what I learned into practice. The motto of the Winston Churchill Memorial Trust is ‘With opportunity comes responsibility’ – something to think about for all of us who are part of one of the most well-regarded universities in the world.

If you’re a student who would like to air your views about a subject close to your heart, please contact Reporter’s Editor, Alexandra Platt, via email at a.platt@imperial.ac.uk or telephone 020 7594 6713.

inventors corner

This new regular column will focus on enterprising academics and students at the College, uncovering the secrets of their success and in this issue, the highs and lows of spinning out companies.

The Midaz Touch

This issue we highlight one of Imperial’s newest spin-out companies, Midaz Lasers Ltd, recently formed by Professor Mike Damzen from the Department of Physics.

Mike has created what is claimed to be the world’s smallest, most efficient and highest quality diode-pumped solid state (DPSS) laser. Just the size of a matchbox, this laser has proved to have a high output power and high beam quality suitable for micromachining applications. The laser’s low manufacturing cost could make it a suitable replacement for industrial inkjets used in coding and marking products, removing the need for ink. Imperial Innovations helped Mike Damzen set up Midaz to develop this technology, investing £150k for its first funding round and providing £25k to create a prototype of the laser.

Mike Damzen works alongside Dr Ara Minassian, also in the Department of Physics, who is the company’s Chief Scientific Officer.

Work on the technology that underpins the company started in 1999 and by 2000 the team had built one of the world’s most efficient DPSS lasers. At first Mike was too focused on the academic side of the work to consider spinning-out a company, but he always realised the potential of the product. He said: “I had recognised the commercial potential of a very early stage-after all we’d made a leap in performance over laser companies who have been in the business for decades.”

The road to forming the company however, was sometimes rocky. Mike explained: “In 2001 I explored a licensing deal with a laser company but that stalled and I had nearly given up any dreams of commercialisation by 2004.”

Despite these setbacks things started again commercially in early 2005, when a high profile, multibillion dollar US company took a big interest in the technology. Mike said: “This was the personal push I needed to take the risk of starting a company. I could also see a quick route to market.”

Mike strongly recommends getting in touch with Imperial Innovations if academics feel their invention may have commercial value. He said: “They played a vital role in the formation of the company, helping with the logistic and legal side but most importantly they introduced key individuals who now form Midaz’s strong management team.”

Charlotte Stone, Imperial Innovations
Age is no barrier to making your mark at Imperial — and Professor Nicky Best can prove it.

Nicky, a member of the Department of Epidemiology and Public Health, was promoted to Professor last year at the age of just 37. As Professor of Statistics and Epidemiology at St Mary’s Campus, she leads a team of researchers investigating key health issues such as the impact of mobile phone masts and fertility trends.

Nicky joined Imperial in 1996 as Lecturer in Biostatistics, following a first class Honours degree in maths and sports science at the University of Wales, a Master’s in medical statistics at Leicester and PhD in biostatistics at Cambridge University. During her PhD studies, she was based in the MRC Biostatistics Unit and helped develop the BUGS computer software for Bayesian analysis of complex statistical methods. BUGS is widely known and has more than 16,000 registered users around the world.

Once at Imperial, Nicky’s career progression was impressive. She became Senior Lecturer in Biostatistics in 2000 and Reader in 2003 before her Professorship two years later. Nicky believes her involvement in the BUGS software played a key role in international recognition and her professorship.

She was also fortunate to join the College as it was developing the Small Area Health Statistics Unit (SAHSU), which receives government funding to assess environmental risks to public health and develop methodology for analysing geographical variations in health. She has also been involved in high profile investigations including the Shipman Inquiry.

Nicky is also kept busy supervising 11 research students and postdocs, teaching on the Master’s degree in Modern Epidemiology and undergraduate medical course, and contributing to national bodies including the Royal Statistical Society.

Nicky’s own career was inspired largely by her PhD supervisor at Cambridge, Senior Scientist David Spiegelhalter, with whom she continues to collaborate on a number of research fronts. This inspiration has meant she places great importance on mentoring junior members of staff in her department.

Nicky believes her Professorship was also made possible by the support of her Head of Department, Professor Paul Elliott, and other senior colleagues.

“Even so,” she said, “I was very surprised to be awarded the Chair the first time I applied. I really appreciate both the support of my colleagues, and the fact that Imperial itself was so encouraging and did not feel I was too young to take on such a responsibility.”

As a Professor, Nicky finds her working hours are long and hard and admits to wishing occasionally that she had more leisure time. Until six years ago, she was a keen rower and rowed for the National Squad. However, long working hours and rowing practice were not a good combination, so Nicky has retired from rowing but still enjoys cheering others on.

Achieving such a young Professorship could, for some, put a limit on their career ambitions. For Nicky, however, it was a very welcome milestone but by no means the pinnacle of her career. “It is not what’s motivated me in my work. I’m very proud of it, but at the end of the day I love my area of research.”

As to the future, Nicky wants to get a few years as Professor under her belt, but would like to spend more time writing books and training materials in the longer term.

And the only downside to being a Professor at Imperial? – “I’m not able to do as much hands-on research as I used to,” said Nicky. “Delegation is something I have had to get used to.”

— Wendy Raeside, Communications

Alumni reunite in force

Nearly 300 alumni and guests from as far away as Venezuela and Australia came back to the College on Saturday 16 September, to enjoy an engaging lecture programme, tours of local museums and visits to their former departments.

Following a welcome from the Rector, the morning’s lecture, entitled Can we trust the scientists? was given by Professor Lord Robert Winston to a lecture theatre filled with attendees of all generations.

The series of afternoon lectures, which were built around the reunion’s theme of communicating science, proved just as popular with attendees. Speakers included alumnus Carlo Massarella, Professor Hans Michels, Drs Matt Genge and Phil Bland, and Stephen Webster.

Many alumni chose to bring their families along to show them where they used to study. Children of all ages were kept busy at the Science Museum and explored the science of music, costume and light at an interactive session.

Dinner in the Senior Common Room concluded the day’s events and provided the perfect opportunity for alumni to catch up and reminisce about their own student days. Dr Tidu Maini, Pro Rector for Development and Corporate Affairs, who was celebrating his own fortieth reunion with fellow alumni from the Department of Civil Engineering, hosted the dinner.

— Zoë Perkins, Alumni and Development

Make sure you’re in the know

New legislation that came into force on 1 October 2006 affects:

- Recruitment and selection
- Professional development
- Retirement
- Occupational health
- Pensions

HR’s webpages at www.imperial.ac.uk/spectrum/hr/hr_info/equality/age give guidance on what the Employment Equality (Age) Regulations can mean for you.

More details about the day and photographs are available online at www.imperial.ac.uk/alumni/reunions

Next year’s reunion will take place on the weekend of 15–16 September 2007 and the Office of Alumni and Development will extend the invitation to all alumni as part of the College’s Centenary celebrations.
Research ethics focus of summer lectures

Imperial’s Research Office welcomed Dr Edward Gabriele in August to deliver a series of lectures. In his lively talks Dr Gabriele looked in depth at the spirit and challenge of research ethics, examined what it means to be a research administrator and promoted the benefits of administrators learning more about the research they support.

Caroline Gaulter spoke to Dr Gabriele, Assistant Vice President for Research Integrity at MedStar Research Institute, USA, and a Professor at Georgetown University School of Medicine, about his work and philosophy.

What does your work at the MedStar Research Institute entail?

MedStar Research Institute is the research arm of MedStar Health, the largest healthcare delivery organisation in Washington, DC, with responsibility for the management and research outputs of seven major hospitals. My job is to ensure research integrity and statutory compliance in all that we do, focusing in particular on education and training.

What does research integrity mean to you?

The advancement of medicine depends on human research and we have an ethical responsibility to protect the human subjects who are needed for this. Mitigating the risk lies far deeper than the clerical forms we produce and complete. Professionals must be educated in values to form the characters required for real, ethical healthcare.

Are you able to relay any experiences when the importance of your work particularly struck you?

A few years ago I spent time in a village in Egypt as part of a vaccine trial. On receiving trial medication, villagers put signs above their doors saying in Arabic, ‘This family has chosen life’. Many of the villagers were in abject poverty and their culture was very different from my own. Research ethics must surely be about protecting the vulnerable who put so much trust in our science that they see this as a route to life.

What have you hoped to achieve during your visit to Imperial?

A key part of my work is to promote relationships between institutions so that we can learn from each other, not only about the science we study but also about the ethics that go hand in hand. I’ve had a wonderful experience here at Imperial, an institution so richly resourced in people and intellectual capital. I hope I’ve helped research administrators to realise that their duties lie deeper than their clerical tasks, that their role is a critical part of research and that, as a result, we must strive to become even more professional in this crucial role. The values we hold are an integral part of our approach to the research we nurture.

— CAROLINE GAULTER, COMMUNICATIONS

centenary update

Top tips and templates

With the Centenary year fast approaching, the events calendar is beginning to take shape. There is already an exciting line up of speakers, including Lord Browne, Chief Executive of BP, Roger Highfield, Science Editor, The Daily Telegraph and Boris Johnson, MP. All events taking place from now can use the Centenary logos, and faculties and Imperial College Union are developing their own event programme to form part of the College calendar.

Are you planning a Centenary event?

Top tips and key contacts for Centenary event planning, as well as invitation, flyer, name badge and table name plaque templates are available from the Centenary website at www.imperial.ac.uk/centenary.

There is also a comprehensive toolkit for using the special logo, including downloadable logos and templates for letterheads, PowerPoint presentations and posters. You can also download a PowerPoint presentation giving information about the Centenary plans.

You will notice changes to your correspondence from December. A special postal frank will be introduced at all campuses. You can also download a PowerPoint presentation giving information about the Centenary plans.

— CAROL MARSH, COMMUNICATIONS

Death notice

Emeritus Professor Eric Brown

Eric H. Brown, formerly Professor of Structural Engineering in the Department of Civil and Environmental Engineering and Dean of Engineering, died in September 2006. In a long career at Imperial, he also made an enormous contribution to the College’s musical life, having been a founder of the Imperial College Choir and contributing annually to concerts and Commemoration Day. Professor Brown was awarded a Fellowship of Imperial College in 1999.

Kevin Delaney

Imperial has heard with sadness of the death, last month, of Kevin Delaney, HR Assistant in the Human Resources Division. Kevin had been with HR since February 2000, most recently working in the Administrative Divisions Team, and had many friends who greatly enjoyed working with him.

Professor John Lever

Professor John Lever, Head of the Department of Bioengineering and a member of the College community since 1973, died last month. He is remembered by colleagues as an outstanding researcher and teacher, dedicated to the welfare of his students and meticulous about every aspect of running his Department. See www.imperial.ac.uk/news for a full appreciation.

Emeritus Professor Charles Rees

Last month Imperial learnt of the death of Charles Rees, Emeritus Professor of Chemistry, who first came to work in the Department of Chemistry as Hofmann Professor of Organic Chemistry in 1978. Although he took early retirement in 1993, Professor Rees continued work as an Emeritus, and was to be found in the Department on a daily basis until his death last week at the age of 78. See www.imperial.ac.uk/news for a full obituary.

Emeritus Professor James H. Whitelaw

Professor James H. Whitelaw, FRS, died on 16 August 2006 aged 70. He began his Imperial career in the Department of Mechanical Engineering as a lecturer in 1963 and was made a professor in 1974. From 1977 until his retirement in 1999, Whitelaw focused on the development of the Fluids and then the ThermoFluids sections. After his retirement he continued his association with the Department part-time, assisting younger members of staff and doctoral candidates.

The Editor is pleased to accept brief appreciations in remembrance of colleagues, reserving the right to edit these before publication. Please email a.platt@imperial.ac.uk
1. Moving in.

welcome new starters

Miss Fanha Afgan, Faculty of Medicine
Mrs Evanue Allister, SORA
Miss Cherry Alayahya, Medicine
Professor Effoko Amu, Business School
Dr Daniel Ballant, Mechanical Engineering
Dr Konstantinos Beis, Molecular Biosciences
Dr Cedric Berger, Cell and Molecular Biology
Mr James Berry, Molecular Biosciences
Mr Hafiz Bidmus, ICT
Miss Ashly Chauvasia, Chemical Engineering
Dr Audrey Chevey, Medicine
Miss Sritunna Ishmukhamed, SORA
Mr Anderson Ciszewski, Catering Services
Miss Camila Clemente, Catering Services
Miss Keegan, ICT
Mr Gianfran Coppola, Bioengineering
Dr Richard Court, ESE
Mrs Nadia Cruz, Catering Services
Miss Alekrena Czamara, Faculty of Medicine
Dr Gabriela Da Silva Xavier, Medicine
Mr Manuel Da Silva, Catering Services
Miss Claire Brady, ESE
Mr Coutinho De Figueiredo, Computing
Ms Anna Demetriades, Human Resources
Miss Angela Devin johnshit, Medicine
Mr Zhiquan Ding, ESE
Dr Walter Distasio, Business School
Miss Sarah Bodman, Physics
Ms Magdalena Drezewska, Molecular Biosciences
Mr Paul Elliott, Faculty of Natural Sciences
Mr Guillelmer Falci, Catering Services
Mr Richard Fearn, ICT
Mr Nicholas Foin, Bioengineering
Mr Richard Fearn, ICT
Mrs Sandra Turner, EYEC
Mr Terrence Crombie, Chemical Engineering
Dr Stephen Myatt, SORA
Dr Jane Neary, Catering Services
Dr Andrew Norton, Biology
Dr Kaitha Gotala, Medical Engineering
Miss Marie Robin, Molecular Biology Office
Professor Guy Rutter, Medicine
Mr Oduwa Salama, Catering Services
Dr Alexander Schekochihin, Registry
Dr Francesca Sempli, Medicine
Mr Guillaume sheriff, Registry
Dr Knie Yeh Shio, Medicine
Ms Basha Siddiqui, Investigative Science
Dr Jennifer Siggers, Bioengineering
Dr Rachel Simmonds, Kennedy Institute
Miss Laura Snowling, Faculty of Medicine
Dr Duncan Spalding, SORA
Dr Sarah Sparrow, Physics
Miss Louisa Spittles, Communications
Dr Aziz Suer, Kennedy Institute
Mr Liqaiat Suleiman-Verjee, Kennedy Institute
Dr Mengping Tang, Bioengineering
Miss Venessa Tan, Physics
Dr Michael Templeton, Civil and Environmental Engineering
Miss Dawn Thorpe, Medicine
Dr Guy Thrall, Investigative Science
Mrs Sandra Turner, EYEC
Dr Maria Vignoli, Computing
Dr Maria Verna, NHM
Mr Shashank Verna, Physics
Ms Lucy Wakefield, Occupational Health Service
Dr Yiyian Wang, Materials
Professor John Warner, Medicine
Miss Naomi Westen, Communications
Dr Ann Wheeler, BMS
Ms Saska Wilming, Faculty of Medicine
Dr Toby Wiseman, Physics
Dr Ke Xu, NHM
Miss Shoko Yashin, Molecular Biosciences
Dr Alexander Yip, ICT
Dr Piria Yia-Mahaisami, Chemical Engineering
Dr Quan Yu, Molecular Biosciences
Mr Itfik Zakudinin, Computing
Dr Timothy Munt, Chemistry
Dr Roberto Navarrote, NHM
Mrs Elizabeth Neary, SORA
Mr Philip Nixon, Physics
Mrs Muna Noori, SORA
Mr Dean Norgate, NHM
Dr Brown Okoko, NHM
Dr Paul O'Neill, Physics
Miss Lulu Pan, Catering Services
Mr Kamal Pandya, NHLI
Mr Humphrey Parker, BM
Mr Heta Patel, NHM
Mrs Magda Porter, Educational Quality Office
Dr Robert Powell, CHESTM
Dr Roger Preston, Investigative Science
Mr Paul Price, Computing
Mr Andrew Pridmore, Faculty of Engineering
Ms Jenny Quatrain, ESE
Dr Dan Raishbrook, Faculty of Medicine
Ms Liz Richards, EPHPC
Dr Christopher Riveal, Investigative Science
Professor Douglas Robinson, NHM (5y)
Dr Francesco Russo, Medicine
Dr Jonathan Sapsed, Business School
Ms Britta Seidemann, Medicine
Ms Alison Shipton, NHLI
Miss Katie Shirley, Physics
Miss Nicola Smith, SORA
Ms Natalie Steibelt, Business School
Miss Jade Sutherland, Estates
Mr Steven Tanueva, Humans
Mr Carlos Tavares, Computing
Miss Renay Taylor, NHLI
Mr Andrea Tello, Catering Services
Mr Michael Themisi, BM
Dr Ray Thompson, Faculty of Engineering
Mr James Valerini, Registry
Dr Danielle Varacca, Computing
Mr Miguel Vargas-Reus, EPHPC
Miss Conchi Vera-Valderrama, EPHPC
Dr Lisa L Kosten, Physics
Dr Glen Watterson, Faculty of Engineering (17y)
Miss Jenna Walsh, Faculty of Medicine
Dr Huahua Wang, Physics
Mr Elliot Ward, Molecular Biosciences
Miss Michelle Warren, CEP (5y)
Miss Louise Wilcock, NHLI
Dr Jo Wilson, Physics
Mr Alaksander Yarnishchoff, Cell & Molecular Biology
Dr Sherron Yeat, Computing
Dr Yongyan Zhang, Physics

retiring

Mrs Eleen Boden, Library Services (5y)
Professor Jean Connerade*, Physics (33y)
Mrs Yvonne Doyle, Business School (52y)
Professor Gordon James*, Mathematics (20y)
Dr Mike Keating, Mathematics (38y)
Mr Frank Kinwacsec*, Computing (25y)
Professor (John Macdairmott), Faculty of Medicine (17y)
Dr Raul Margara*, SORA (20y)
Professor Iwanus Marus*, Computing (30y)
Professor William Moble*, Physics (30y)
Dr Vivien Moore, Physics (23y)
Professor Kim Parker*, Bioengineering (24y)
Mrs Sylvia Perry, Finance (14y)
Professor David Phillips*, Chemistry (33y)
Dr David Price*, Physics (41y)
Miss Aimele Ruffel, Educational Quality Office (28y)
Professor Robert Schorsch*, Bioengineering (49y)
Dr Robert Steed, Biological Sciences (5y)
Mr Felix Stevens, Investigative Science (36y)
Mr Vladimir Tsimok, Catering Services (5y)
Dr Derek Willis, Mechanical Engineering (38y)

This data is supplied by HR and covers the period 1 to 30 September 2006. It was correct at the time of going to press. Years of service are given where an individual has been a member of College staff for over five years. Asterisk (*) indicates where an individual will continue to play an active role in College life.

Please send your images and/or brief comments about new starters, leavers and retirees to the Editor, a.platt@imperial.ac.uk who reserves the right to edit or amend these as necessary.
what’s on

11 October 2006 • 17.00-18.30
New Windows into the Heart: cardiovascular imaging from molecules to patients
PROFESSOR ROBERT BONOW, GOLDBERG DISTINGUISHED PROFESSOR OF CARDIOLOGY, NORTHWESTERN UNIVERSITY, USA
First Annual Paul Wood Cardiovascular Lecture
Paul Wood Lecture Theatre, Guy Scadding Building, National Heart and Lung Institute, Dovehouse Street, London SW3 6LY

11 October 2006 • 17.30-18.30
From Rule Book to Risk Management: the development of safety management in Hong Kong MTR Corporation
PHIL GAFFNEY, FORMER MANAGING DIRECTOR, OPERATIONS AND BUSINESS DEVELOPMENT, HONG KONG MTR CORPORATION
Imperial College London/Lloyd's Register Annual Lecture in Transport Risk Management Lecture
Clore Lecture Theatre, Huxley Building

11 October 2006 • 13.00-13.45
Lunch time concert
COLIN STONE (PIANO)
Read Theatre, Sherfield Building

13 October 2006 • 18.00-19.00
Repairing the Engine of Life: how plants have solved their energy crisis
PROFESSOR PETER J. NIXON
Inaugural lecture
Clore Lecture Theatre, Huxley Building

19 October 2006 • 13.00–13.45
Lunch time concert
NATALIE CLEIN (CELLO) AND CHARLES OWEN (PIANO)
Read Theatre, Sherfield Building

19 October 2006 • 18.30–20.30
The best science books ever
DR ARMAND LEROI, MAGGIE MCDONALD, TIM RADFORD
Panel Debate
Lecture Theatre G16, Sir Alexander Fleming Building

25 October 2006 • 11.30–17.30
Commemoration Day 2006
UNDERGRADUATE GRADUATION CEREMONIES
Royal Albert Hall

25 October 2006 • 13.00–13.45
Lunch time concert
THE CHAMBER PLAYERS
Read Theatre, Sherfield Building

31 October 2006 • 17.30–18.30
Playing God? A lecture exploring the relationship between science and religion hosted by the Chaplaincy.
PROFESSOR LORD ROBERT WINSTON
Great Hall, Sherfield Building
All events are at the South Kensington Campus unless otherwise stated.

take note
This year's Postgraduate Prospectus is out now. Ask your Departmental Administrator for a copy or visit www.imperial.ac.uk/ppprospectus for the extended online version.

classifieds

Volunteer Host
Project ID: 83
For Contact the Elderly
Sunday 15.00–17.30/once or twice a year
Location: Your home, anywhere in London
Volunteers needed to host a group of elderly people in your home for afternoon tea once or twice a year. Groups of people between 10–16 people visit a different home every month and spend a few hours in the company of friends, old and new. This is an extremely rewarding opportunity to help to improve the lives of an escalating number of lonely elderly people, who are simply too frail to go out alone.

To take part in this scheme or to hear more about volunteering in general, contact Minna Ruohon on 020 7594 8133 or email m.ruohon@imperial.ac.uk.

Visit www.imperial.ac.uk/volunteering for full details of over 250 volunteering opportunities. You can also subscribe to the weekly newsletter by emailing volunteering@imperial.ac.uk.

volunteering

Employee Volunteering is a joint project between the Staff Development Unit and the Imperial Volunteer Centre. Staff members with six months’ satisfactory service are eligible to participate in voluntary activity and receive some time off work in recognition of their contribution. Opportunities also exist for teams to use volunteering as the basis for team development and away days.

This regular Reporter column will outline an urgent project in each issue. Why not get involved?

This week's project...

Volunteer Host

Volunteers needed to host a group of elderly people in your home for afternoon tea once or twice a year. Groups of people between 10–16 people visit a different home every month and spend a few hours in the company of friends, old and new. This is an extremely rewarding opportunity to help to improve the lives of an escalating number of lonely elderly people, who are simply too frail to go out alone.

To take part in this scheme or to hear more about volunteering in general, contact Minna Ruohon on 020 7594 8133 or email m.ruohon@imperial.ac.uk.

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Reporter now includes a regular classifieds section. If you have a something for sale, property to let or are looking for someone to share a lift to work with, this is the perfect place to advertise. Please submit no more than 50 words to the Editor, Alexandra Platt, by email at a.platt@imperial.ac.uk for a chance for your advertisement to appear. The Editor reserves the right to edit these as necessary.

Tent Pack for Sale. Black’s tent pack for sale including two-person tent, two sleeping bags, two camp mattresses and carry case. New this year and never been used. Retails for £70. Asking £40 ONO. Please email m.sanderson@imperial.ac.uk if you are interested or require further information.