



At your service

We meet Imperial's
dedicated campus staff
as they showcase a
sharp new look

... CENTRE PAGES



EUROPEAN RESEARCH

A round-up
of Imperial's
links with the
continent

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PASSING OF A PIONEER

Paying tribute
to the late Sir
Tom Kibble

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PITCH PERFECT

Student
a cappella
group crowned
international
champions

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EDITOR'S CORNER

The A-team

As Editor I've always tried give a voice to all members of our **diverse community** of staff – whether it's apprentice workshop technicians (issue #289) or our national barista champion (#284). Often it takes some persuading with people not accustomed to, or desiring of, the limelight. This issue though, I had a perfect excuse to go out and meet the **unsung heroes** of our community, with the introduction of a new uniform for Campus Services and Estates Facilities staff (centre pages). In my ignorance I assumed many staff would be short term and ambivalent towards the College and it would be difficult finding voices. I could not have been more wrong. I was completely blown away by the **enthusiasm, loyalty and camaraderie** of these teams of staff, many of whom had grown to become close friends over the years having emigrated from the EU and further afield. Of course Imperial's academic reputation is built on such diversity, but it's heartening to see it permeate through every level of the College.

ANDREW CZYZEWSKI, EDITOR

Reporter is published every three weeks during term time in print and online. Contact reporter@imperial.ac.uk

Proton beam therapy and physics to be explored in research collaboration



The partnership was with representatives from Imperial's research team, City Proton including Ken Anderson, Chairman, Imperial Consultants and Imperial Innovations, as well as Professor James Stirling, Imperial's Provost

Researchers from the Department of Physics are set to explore the particle and medical physics of proton beams in a new £11.7 million collaborative research partnership with City Proton.

Proton beams are currently used for treating certain cancers, and are being extensively studied as possible alternatives to traditional

radiation therapy for a wide variety of cancers.

City Proton are currently constructing one of London's first proton beam treatment centres, due to open in late 2018/early 2019, when twelve years of collaboration will begin, including consultancy and collaborative research.

The partnership includes access to facilities and a dedicated

research team of Imperial physicists, who will investigate the properties of the proton beam, how the energy of the beam is distributed in biological samples, and how to most effectively target the beam for treatment. This could form a better understanding of how PBT offers an improvement on traditional radiotherapy treatment.

Leading the research collaboration from Imperial are Professor Jordan Nash, head of the Department of Physics, and Professor Mark Glaser, Visiting Professor in the Department of Physics.

Professor Nash said: "This is a fantastic opportunity for the Department to bring together our teams, who design the most advanced accelerators, with experts on using proton beams for cancer treatment in order to guide the development of more flexible and potentially smaller treatment accelerators."

— HAYLEY DUNNING, COMMUNICATIONS AND PUBLIC AFFAIRS

Leaving the EU poses 'critical threat' to NHS

Britain's withdrawal from the EU would negatively affect the NHS in a number of ways, a report by academics at Imperial has warned.

In the report, the authors, from Imperial and LSE, find that withdrawal from the EU is likely to reduce NHS funding, lead to staffing shortages, and hamper Britain's world-leading health research sector.

"We have tried to provide clear and balanced answers to the main questions that have arisen during the debate," say co-authors Professor Elias Mossialos, Chair in Health Policy and Management at Imperial, and Brian Abel-Smith Professor of Health Policy at LSE.

"Our conclusion is that, for the NHS, there is no justification for leaving the EU. Instead, evidence points to benefits for UK health care in terms of medicines policy, human resources and research and development should we remain in the EU."

Professor Lord Darzi of Denham, Director of Imperial's Institute of Global Health Innovation added: "The NHS is our most important social institution and it is our duty to champion the evidence. We owe it to our patients, the public and the entire NHS to help make



informed decisions when it comes to the vote on 23 June."

The main conclusions from the briefing are: EU migration benefits the NHS in terms of funding and staffing; Britain leaving the EU is unlikely to lead to an increase in NHS funding; The EU assists NHS research and development; Britain's EU membership is not a threat to publicly commissioned and provided healthcare; The TTIP trade deal will not affect the NHS.

— KATE WIGHTON, COMMUNICATIONS AND PUBLIC AFFAIRS

The full report, *A briefing for the National Health Service on the European Referendum*, is available here: bit.ly/EU-Health

Queen creates new Regius chair at Imperial

Imperial has been awarded a prestigious Regius Professorship, recognising the highest standard of research and teaching in the Faculty of Medicine.



Imperial will confer the title on Professor David Holden (Medicine) – one of the world’s leading experts on Salmonella bacteria, which cause diseases including gastroenteritis and typhoid fever.

Announced on 6 June, the honour was granted by the Queen as part of her 90th birthday celebrations. This second Regius

professorship for Imperial is one of only 26 to have been granted since the reign of Queen Victoria, including 12 to mark Her Majesty’s Diamond Jubilee.

The title recognises the work of Imperial’s Faculty of Medicine in infectious diseases. The faculty hosts the largest concentration of infection-related research in Europe, and covers a broad spectrum of infection research activities from fundamental science, through to engineering, clinical trials and healthcare economics.

Professor Holden said: “This is a great honour, both personally and for the infectious disease research community at Imperial. It reflects the exceptional quality of research by many groups, whose collective efforts have made Imperial the preeminent UK university for research on infection.”

Professor Alice Gast, President of Imperial, said: “Ever since Sir Alexander Fleming discovered penicillin here, Imperial has conducted ground-breaking research into infectious disease that has changed the lives of people across the globe. The Regius Professorship in infectious disease is a tribute to our academics and their world-leading research.”

Professor Gavin Screaton, Dean of the Faculty of Medicine, added: “This award recognises the world renowned excellence of our work on infectious diseases, which Professor Holden exemplifies. On behalf of the Faculty, I’d like to say that we are extremely honoured to be recognised in this way and we thank HM The Queen for the award.”

—KATE WIGHTON, COMMUNICATIONS AND PUBLIC AFFAIRS

Pharmacists, midwives, nutritionists and physios researching better care

A programme to support allied healthcare professionals in their research careers enters its third year with the arrival of six new fellows.

Working in the fields of pharmacy, midwifery, nutrition and physiotherapy, the six will undertake research over the next year as part of Imperial’s Research Fellowship Scheme.

Their projects include: ensuring patients take their medication following a kidney transplant, testing a device to measure muscle strength of patients with a rare spinal cord disease, implementing a new education and diet programme to help diabetes patients on dialysis, and increasing the numbers of healthy women having their babies in birth centres or at home.

The scheme was set up in 2014 to give staff working at Imperial College Healthcare NHS Trust and allied healthcare professionals the same clinical academic training opportunities as doctors. Recipients have the opportunity to develop their research skills and experience so that they can apply for a Masters or PhD and progress in their clinical academic career.

The six fellowships are worth up to £50,000 each and are jointly funded by Imperial College Healthcare Charity and Imperial

NIHR Biomedical Research Centre (BRC). Some of the fellows will work alongside researchers at Imperial College London.

Champion of the scheme Professor Waljit Dhillon (Medicine) said: “I am very pleased to welcome this year’s new cohort of talented staff to the Research Fellowships Scheme. Allied healthcare professionals have a unique perspective of patient care that is vital for academic research. This year’s recipients are working on a diverse range of projects that have the potential to make a real difference to patients.”

—MAXINE MYERS, COMMUNICATIONS AND PUBLIC AFFAIRS

Meet four of the new intake here: bit.ly/AHP-Research



in brief

Expert evidence

Helping doctors to improve patient-care is one example of how artificial intelligence could help us, an Imperial expert told a select committee. Professor Nick Jennings, Vice-Provost (Research) gave evidence to the Commons Science and Technology Committee as part of an inquiry into Robotics and Artificial Intelligence (AI). Professor Jennings set out how artificial intelligence and machine learning are currently affecting our everyday lives, and

the potential for such technology to transform public services and bring economic benefit in the future (see also page 10).

Brains boost

Imperial physicists have led the creation of a new system that will enhance the LHC’s ability to hunt for dark matter and extra dimensions. Operations at the LHC recently restarted following an upgrade, and it can now collide particles at nearly twice the energy that was used to discover the Higgs boson. However, the challenge

is identifying which collisions that may have produced interesting particles, and singling them out for further study. To solve this problem, a team led by Imperial physicists have created a new kind of computer ‘brain’ that can process the data much faster than conventional computers.

Business equality

The Business School will offer scholarships worth £22,500 to high achieving female MBA students in partnership with the Forté Foundation – a non-profit organisation

that champions women’s progression within business through access to education. The Forté Fellowships will be awarded to outstanding MBA candidates who demonstrate strong leadership skills. The Fellowships are open to all women applying to the Full-Time MBA programme at Imperial College Business School.



“Throughout his illustrious career Tom conducted himself with extraordinary modesty and integrity.”

PROFESSOR JEROME GAUNTLETT PAYS TRIBUTE TO THE LATE SIR TOM KIBBLE (SEE PAGE 14)



Alice Gast delivers Athena Lecture

President Alice Gast, spoke about the inspirations and hurdles that shaped her career in Imperial's annual lecture celebrating women in science.

She is the sixteenth speaker to deliver the Athena Lecture, which is given each year by a prominent female scientist to showcase the achievements of women in science, technology, engineering and medicine.

An internationally renowned scholar in chemical engineering and a leader in higher education, Professor Gast became the first woman to lead Imperial in September 2014. Prior to her appointment, Professor Gast was President of Lehigh University, Pennsylvania.

During the lecture, she spoke of her research interests in surface and interfacial phenomena, in particular the physics of complex fluids, colloidal suspensions, micelles, membranes and proteins.

Professor Gast's interest began at an early age: "When I was a child growing up in California, I used to make 'dirt soup'. I remember that you had to have the right dirt and the right additives – various leaves, flowers, berries and things. I was always an outdoor girl."

Professor Gast concluded by sharing some of the lessons she'd learnt from her career: "Always try to simplify questions, mix different viewpoints, collaborate near and far, and value your mentors, students, friends, colleagues and family" she said.

—DEBORAH EVANSON, COMMUNICATIONS AND PUBLIC AFFAIRS

"Always try to simplify questions, mix different viewpoints, collaborate near and far, and value your mentors".

Calibre 2016: disabled staff graduate from leadership programme



The Calibre graduates

Last month nine people graduated from Calibre, a unique programme developed by the College to support disabled staff.

The programme aims to enhance confidence and change the way the participants think about themselves, disability and their careers. Its framework focuses on the social model of disability – that society's failure to accommodate people's impairments is what causes disability.

On Monday 23 May staff gathered to hear presentations from the 2016 cohort,

with certificates being awarded by John Neilson, College Secretary & Registrar and Executive Sponsor of Able@Imperial, the College's network for disabled staff.

Speaking about the impact of the programme, Pirkko Carmack, Personal Assistant and Administrative Officer in the School of Public Health, said: "Personally I learnt to be more assertive and confident when asking for reasonable adjustments, and I feel stronger and more able to defend my own rights."

John Neilson said: "Calibre forms an important part of the College's strategic commitment to build a supportive, inclusive and highly motivated staff community across all disciplines, functions and activities. It was humbling to hear what a positive impact this year's programme had had on its participants. I would strongly encourage College staff eligible for Calibre to apply for the next programme, starting in January 2017."

—ELIZABETH NIXON, COMMUNICATIONS AND PUBLIC AFFAIRS

Please visit the Calibre website to find out more: bit.ly/able-leaders, staff with questions can contact Leyla Okhai, Head of the Equality, Diversity and Inclusion Centre l.okhai@imperial.ac.uk

Staff and students celebrated at inaugural Summer Garden Party

Earlier this week Imperial's President hosted an event to celebrate staff and students who have demonstrated extraordinary service to the College.

Over 200 staff were nominated to attend the Garden Party in recognition of their outstanding work, contributions or exceptional performance.

Congratulating nominees on their achievements, Imperial's President Professor Alice Gast said: "This is our message to you today – everyone is an integral part of our overall mission and we appreciate all that you do."

Cetin Avsar, Senior Security Officer, was nominated for his response to a medical emergency on campus. Cetin has worked in Security Services at the College for 23 years, with his responsibilities including carrying out security patrols, issuing ID cards, and providing first aid when necessary.

Talking about the Garden Party, Cetin

said: "It means a lot to be noticed and appreciated, to be recognised for what I have done in my role. It's a privilege to be a part of the College."

Sonata Petruskaite, Senior Waitress, was nominated for her dedication to delivering excellence customer services, hard work and outstanding management and team leadership. She said: "My biggest achievements include working at VIP visits including Prince Charles and the President of China.

"The Garden Party was absolutely brilliant – and it was great to be there as a guest and be served by my colleagues!"

Among the student nominees was Emily-Jane Cramphorn, winner of the 2015 Imperial College Union Campaign of the Year Award for her work on Mentality, which aims to reduce the stigma surrounding mental health and educate students about the importance of mental health.

—ELIZABETH NIXON, COMMUNICATIONS AND PUBLIC AFFAIRS

media mentions

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Institute of Chemical Biology CDT Den 2015 winners
Angela de Manzano and Kerry O'Donnely

Women must unite to maximise success in start-ups

FINANCIAL TIMES ▶ 06.06.2016

Could women-only business courses boost the number of successful female entrepreneurs? – asks the *FT*. European Commission data show that only 30 per cent of start-up entrepreneurs are women. Nelson Philips, Professor at Imperial College Business School, argues: “The willingness, ability and confidence to sell your concept, growth story and future of your company is at the core of entrepreneurship, but many women struggle to pitch as enthusiastically as men. Their ideas are just as good but they are, perhaps, more realistic about their plans and that can make funders less interested.”

awards and honours



ENGINEERING

Designs for life

Two design solutions submitted by Imperial students have qualified for the Engineers Without Borders Challenge Finals on 20 June. The selected Imperial teams have been studying on the Second Year ‘Design for Sustainable Development’ stream

in the Global Challenges field, tutored by Michael Hughes. The competition calls for the design of ‘real, inspiring, sustainable cross-cultural development projects’ and this year the challenge was set in Bambui, Cameroon. Claudia Caravello, Christopher Parsonson, Jonathan Risley and Liana Spyropoulou’s comprise one team with a design for a ‘Biodigester and Biobox Scheme’ serving the dual function of waste disposal methane gas production. Jaime Fernandez de Santaella, Joshua Sebastian, Ines Ullmo and Kutlo Popo’s were also selected for their design for a ‘Healthy Public Toilet’ in the farmers’ market of Bambui that would provide an accessible, private and hygienic facility.

COLLEGE

Royal rewards

Lynne Cox, Director of the Research Office at Imperial, was among those recognised in this year’s Queen’s birthday honours list. Lynne was awarded a Medal of the Order of the British Empire (BEM), in recognition of her services to research in higher education. Jeremy Grantham, philanthropist and founding donor of the College’s Grantham Institute – Climate Change and the Environment, received a CBE. Simon Cartmell, Operating Partner at Imperial Innovations, received an OBE for services to the Healthcare Business Sector natural sciences.



NATURAL SCIENCES

RSC Prize

The Royal Society of Chemistry Corday-Morgan Prize has been granted to Professor Charlotte Williams (Chemistry) for her research focused on better ways to use renewable resources to make polymers (plastics) and fuels. The Corday-Morgan Prize recognises ‘the most meritorious contributions to chemistry’. Charlotte will receive £5000, a medal and certificate – to be presented at a prize ceremony in November – and she is invited to complete a UK lecture tour.



Why bankers should join book clubs

IRISH TIMES ▶ 06.06.2016

Writing in the *Irish Times*, Dr Aifric Campbell – a lecturer at Imperial’s Centre for Language Culture and Communications and former managing director at Morgan Stanley – explores how financial collapse was being predicted in the pages of novels long before it became reality. “Organisations spend fortunes seeking insight and inspiration from management consultants and psychologists, yet fiction and its writers remain an underutilised resource,” she writes. “Workshops that focus on reading and writing stimulate critical and creative thinking and develop communication and team-building skills. I observe this first-hand at Imperial where I teach creative writing to our future scientists, engineers, technologists and medics.”

Artificial genome could create a ‘blank slate’ human template

NEW SCIENTIST ▶ 09.06.2106

To create a human genome from scratch within the next ten years. That’s the aim of a group of 25 top scientists from around the world who are trying to raise £68million to launch the project this year, *New Scientist* reports. The team says

the challenge to build a complete set of human DNA could pave the way for lifesaving medical advances. Paul Freemont, who runs the synthetic biology centre at Imperial, said ownership of the information gleaned from the project might be a problem. “In the Human Genome Project it was clear that the knowledge gained would be owned by everyone,” he said. “But it’s less clear how that will work with this project – this will not be digital information, this will be a physical entity. It’s an issue that hasn’t been sorted out.”

China excels at incremental innovation

CHINA DAILY ▶ 31.05.2016

George Yip, believes China is moving aggressively from a strategy of imitation to one of innovation, driven by its scientific capability, manufacturing resources and huge domestic market, *China Daily* reports. The professor of marketing and strategy at Imperial College Business School says China’s scientific capability has come about because “the education system produces a lot of scientists and engineers, almost to Western standards but at a much lower cost”. He adds that, to undertake R&D, “you need a big market to amortize the cost of what you spend, and the Chinese market is the second-largest in the world”.



Market leader

One of the most important economic challenges for any democratic government is enabling businesses to operate freely whilst also ensuring fairness and value for end consumers and tax-payers.

This goes to the heart of many recent political and economic issues – whether regulating banks to prevent mis-selling of insurance products or stepping in to ‘save’ the British steel industry.

Professor Tommaso Valletti (Business School) is a researcher and government advisor whose work models the economic effects of market interventions – particularly on competition.



“Competition is about innovation, keeping prices low, increasing variety and choice,” says Professor Valletti, “But the characteristics of some industries make them more concentrated than others and concentration brings with it greater market power and market power in turn means higher prices and less choice.

“So it’s important to have watchdogs with regulatory powers – bodies that conduct market



investigations with advice from people like me on how best to intervene, based on sound economic academic research.”

The reality of global business and multinational companies means that regulation often needs to be across borders to be effective.

One recent example, and something Professor Valletti investigates himself, is mobile roaming charges. This is where companies charge customers for making calls or using data services from their mobile whilst abroad. Largely thanks to EU regulations, roaming charges have fallen and will be completely abolished by June 2017. Professor Valletti says this is a prime example of where cooperation is key.

“Say, hypothetically speaking, Ofcom for some reason decided to unilaterally to cut roaming charges. It only has a remit to do that for foreigners visiting the UK – so that’s a great deal for my mum when she visits me from

Italy, but not for UK customers or any other UK stakeholder. In practice there would be no incentive for Ofcom take such a step.”

There has been much debate in the media as to what would happen to these charges in event of the UK voting to leave the EU – with some suggesting that the price caps on roaming would be retained. But for Professor Valletti the issue is pretty clear.

“Brexit would mean the UK is no longer subject to these EU roaming charge regulations, and so there would be nothing unlawful in Vodafone starting to increase roaming charges for visitors – and vice versa for EU telecoms providers charging UK visitors when travelling abroad.”

PROFESSOR VALLETTI HAS RECENTLY BEEN APPOINTED BY THE EUROPEAN COMMISSION AS ITS NEW CHIEF ECONOMIST OF THE DIRECTORATE GENERAL FOR COMPETITION.

Early warning

An international team of doctors and scientists is aiming to develop a rapid test to allow medics to quickly identify bacterial infection in children.

The hope is that the £14m project, funded by the European Commission’s Horizon 2020 programme, will not only allow medical staff to reduce the number of unnecessary antibiotics – but it could also quickly identify deadly cases of meningitis, sepsis and other life threatening bacterial infections.

At the moment, when a child arrives at a surgery or hospital with fever, doctors have no quick method of distinguishing whether the child is suffering from bacterial or viral illness. Diagnosis relies instead on taking a sample of blood or spinal fluid, which can take more than 48 hours.



During the five year project, called PERFORM, the international team will study around 60,000 children who arrive at hospitals across Europe and West Africa with fever. The team includes groups from Oxford, Liverpool, Newcastle, Spain, Austria, Germany, The Netherlands, Greece, Slovenia, Latvia, Gambia and Switzerland, as well as the biotechnology companies Micropathology Ltd UK and

bioMérieux, France.

Professor Mike Levin (Medicine), a Professor of International Child Health who leads the new project explained: “Fever is one of the most common reasons children are brought to medical care. While most episodes of high fever in children are due to a viral illness – which will often get better on its own – hidden amongst them are life-threatening bacterial infections. Our current methods do not allow doctors to

reliably distinguish between life-threatening bacterial infection and trivial viral illness.

“Every year many children are sent away from Accident & Emergency departments or GP surgeries because the medical team thinks they have a viral infection, when in fact they are suffering from life-threatening bacterial infections - which are only diagnosed too late.”

—KATE WIGHTON, COMMUNICATIONS AND PUBLIC AFFAIRS

Electric dreams

Marie Curie fellow Dr Dimitra Georgiadou (Physics) has carried out academic and industrial projects in Greece, Germany, Italy and the UK.

What are next generation electronics?

That's a broad term but I suppose it is just a way of describing smaller, faster, more flexible and sustainable electronic devices – which are characterised by increased performance or added functionalities compared with existing silicon electronics. Some next generation electronics are based on polymers and can be easily manufactured at a high throughput and over large areas using simple printers and electronic inks. This allows electronics to be integrated seamlessly with many other products giving them smart functionality. That could be windows or walls that harvest light energy or smart clothes that monitor fitness. It also forms the underpinning technology for what is being referred to as the 'Internet of Things' that could allow fully automated 'smart homes'.

How do you find it navigating between basic and applied research?

For me it's always been a natural thing – although it does help having an engineering background. I don't see myself as a great expert in any field but I have a broad knowledge base and if I see the potential in some particular technology I have the vocabulary and the tools to go deeper. Past projects I've worked on include those focussed on organic light emitting diodes (OLEDs), organic photovoltaics (solar cells) and radio-frequency identification (RFIDs) devices for tracking and tagging. Now I'm about to start looking at energy harvesting using nano-generators – so taking advantage of the flexibility of plastics so that when they bend they convert energy released from mechanical deformation into electrical power.



You recently presented your work and conversed with MPs at parliament as part of the SET for Britain event – do you have any thoughts on current EU issues?

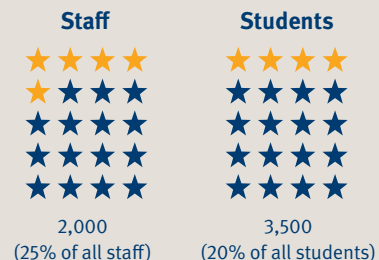
No one knows exactly how the EU will evolve in the future and you would hope that the UK would always seek to attract the very best scientists from Europe and overseas no matter the outcome. But the best way to do that seems to be through the EU. It's far better to have borders open, especially when it comes to research; I can't really imagine doing research within borders of any kind. It's mutually beneficial – everybody wins.

“ I can't really imagine doing research within borders of any kind. (The EU) is mutually beneficial – everybody wins”

Dr Dimitra Georgiadou holds a prototype nanogap electronic circuit

EU IMPERIAL STATS

Imperial people from EU member states outside the UK:



60,000

Research papers produced in collaboration with EU colleagues between 2005 and 2015

Participation in the Erasmus+ undergraduate student exchange programme (2015–2016):

97 

Students from **European universities** hosted at Imperial

47 

Imperial students hosted at European universities



At your service

It has been said before that modern universities are arguably among the most complex organizations ever devised. While Imperial is rightly famous for its research and teaching excellence, it's sometimes easy to forget that the College is also running a 2,500 bed accommodation service; keeping the equivalent of a small town going in terms energy demand; maintaining many hectares of estate; and offering a selection of food outlets to rival most shopping malls.

All that requires a skilled and dedicated body of support staff, working 24 hours a day, seven days a week to ensure 'the lights stay on' and our community is kept healthy, nourished and safe. This considerable task falls in a large part to the Campus Services and Estates Facilities teams at the College.

In order to help improve the visibility, identification and quality of the services these teams provide, a project was initiated to introduce new uniforms. Following a careful process of designing, sourcing and buying the new uniforms – which are specific for each role, taking into account health and safety and other practical considerations – the roll-out began this month.

"From security to catering, receptionists to maintenance, we have great front line teams," says Imperial's Chief Financial Officer and project champion Muir Sanderson. "Now we want to make sure that in our customer's eyes we have just one brilliant front line team. Any staff, student or visitor should be able to turn to any member of that team for help or advice confident that they will receive consistent, professional, joined-up, customer-focused support. These uniforms are an important part of emphasising this. And they look great!"

For this issue of *Reporter* we met some staff in their brand new uniforms and asked them about their day-to-day roles.

CATERING SERVICES

Ricardo Campos Sousa Pontes, Assistant Chef de Partie

I work across all the kitchens – the central kitchen, H-Bar, Eastside, 170 Queen's Gate, Royal College of Music – and it's incredibly fast paced and exciting, especially when we're catering for special events. The kitchens team is very diverse and we all get on very well – just as long as no one borrows my best knives!

SECURITY SERVICES

Lisa Sheridan, Security Officer

I am based at South Kensington, but regularly work at Hammersmith, Burlington Danes and St Mary's Campuses. My role is different every day, whether it's providing first aid or assisting with car parking. It's exciting that we are going to be wearing new uniform. The whole department is changing for the better and I'm happy to be a part of that.



RESIDENTIAL SERVICES

Yuly Sandoval Mora, Hall Supervisor

I really enjoy interacting with students on a daily basis to make sure they feel safe and happy with the accommodation offered to them. Students have many requirements and needs, but that's what makes the job interesting and rewarding. Imperial College is a very supportive organisation, always helping us to deliver our best.





ESTATES FACILITIES
Sean McGuinness, Maintenance Technician
My typical day might involve quickly reacting to urgent mechanical and electrical issues – from resetting a breaker to repairing steam equipment. I'm also involved in testing and making modifications to mechanical and electrical equipment, mechanical installations and preventative maintenance.



POSTAL SERVICES
Steve Micheal, Postal Officer
I've had roles in security and postal services across different campuses including Hammersmith and St Mary's. We have a great team here. Importantly for me, I'm able to balance my Imperial work with being a Corporal in the Army Reserves.



CATERING SERVICES
Mindaugas Petrauskas, Catering supervisor
I manage a team of 14 catering staff on a daily basis – often in the Library café which is the busiest catering outlet serving over 2,000 students and staff each day. My main duties include ordering stock, making sure catering operations run smoothly without any hitches – and of course keeping our customers satisfied.

A logical choice

Getting to know Imperial's new Vice Provost for Research, Professor Nick Jennings

As one of the UK's leading computer scientists, Professor Nick Jennings' research has encompassed a dizzying array of different applications – including environmental monitoring of the Briksdalsbreen glacier in Norway; controlling engine manufacturing lines at Daimler-Chrysler; and wind prediction for the British Olympic sailing team.

While he won't be drawn on favourites, he says the glacial work was very special – and in the end quite bittersweet.

"A colleague of mine was married to a glaciologist who really wanted to be able to measure inside the glacier. We thought that as a team we might just be able to build a sensor network to do that.

"We gathered some great data; but tellingly, our sensors lasted longer than the glacier as it receded and melted due to global warming."

It's this background in multi-disciplinary, collaborative work that Nick believes will stand him in good stead for his new role as Vice-Provost (Research) at Imperial.

When I meet Nick he's sandwiched between a fact-finding tour of Imperial's medical campuses – acknowledging that medical and biological sciences are probably furthest from his own area of expertise.

Luckily though, he will get a little help from home in this regard.

"My wife is a molecular biologist – which does help when I get back from work and have to ask – 'so what's one of those then?'"

The couple met as undergraduates at the University of Exeter then both came to London for PhDs – Nick at Queen Mary University and wife Jo at Imperial.

Grand challenges

There are numerous accolades on Nick's CV, including the granting of a Regius Professorship and a Companion of The Order of the Bath (CB).

But the one that really catches my eye is Nick's six year term as Chief Scientific Advisor for National Security to the UK Government.

"I really enjoyed seeing how government works from the inside; it was quite fascinating. The remit was very broad – aspects such as big data analysis and cyber security, but also around behavioural science; understanding why people act as they do."

That role took Nick on location to some eventful and interesting places including Afghanistan,

Pakistan, Uganda and Kenya. A far cry from South Kensington and Exhibition Road – but Nick is delighted with his new base.

"Of course Imperial is a fantastic place with a stellar reputation, but I also thought that there was a lot of opportunity here; I was really attracted by the prospect of the White City Campus development – it's not often you get a chance to be involved in shaping research and innovation on such a grand scale."

Nick's primary role is in developing and spearheading Imperial's research strategy, and enhancing the quality, impact, management and delivery of research in the College.

Perhaps one of the biggest challenges on the immediate horizon though could be the potential consequences of Britain leaving the European Union.

"The connections that we have in Europe are extremely important – our use of European funds, our ability to collaborate with other partner institutions and the free movement of talented people. Anything that makes those things harder will be difficult for any university to navigate."

Seizing opportunities

Through his career in academia, Nick has helped create two software start-ups in variab.ly, which provides negotiating algorithms for e-commerce marketplaces, and Aerogility, a decision support suite that optimises scheduling and maintenance for fleets of aircraft.

"It's been exciting to see my research used in the real world – and now in this role I'm excited about doing what I can to open up the possibilities for as many researchers as possible to get their technology and research utilised."

Meanwhile, away from work Nick is a keen football fan and West Ham United F.C supporter. He has also served as coach for a youth football team for the past ten years.

"I've steered them from under-six all the way through to under-16, and we've been on quite a journey, but this is my final year now."

As he moves on to team building of a rather different kind at Imperial, it's clear that Nick will make his presence felt in numerous facets of College life.



Nick receiving the Companion of The Order of the Bath (CB) earlier this year

Career milestones

- Head of the Electronics and Computer Science Department
University of Southampton
- Chief Scientific Advisor for National Security to the
UK Government
- Associate Dean (Research and Enterprise), Faculty of Engineering, Science and Mathematics
University of Southampton
- Professor, Electronic Engineering
Queen Mary University of London
- PhD Artificial Intelligence
Queen Mary University of London
- BSc (Hons.) Computer Science (First Class)
University of Exeter



“I’m excited about doing what I can to open up the possibilities for as many researchers as possible to get their technology and research utilised.”

inside*

story

mini profile

Christian Adams

Christian is an International Student Advisor in Imperial's Registry Office. He has also taken part in EU Erasmus+ Staff Training.



Tell us about your role?

Primarily I provide visa and immigration advice to international students coming to Imperial and support and welfare once they arrive – for example we recently arranged trips to the Harry Potter Studios, Windsor Castle and the London Eye. Another important part of my role is managing the government-run the Graduate Entrepreneur visa scheme at Imperial. Open to final-year non-EU students, it allows Imperial to endorse up to 20 students who wish to set up a business in the UK after completing their degree. Recent recipients include Imperial alumnus Alireza Tahmasebzadeh, a member a team that raised \$1.6 million to develop a modular smart watch.

You've travelled in the EU as part of your training – how does that work?

The programme is called Erasmus+ Staff Training Mobility. I travelled to the University of Karlstad in Sweden for a week last year and I recently returned from another week at the University of Göttingen in Germany.

With around 20 countries represented, it's an excellent opportunity – for both cultural and professional development. The formal element of the trip involved giving presentations and sharing best practice about how we support international students at our respective institutions. There is also a social element to the programme and time built into the schedule for cultural activities.

How has that helped in your own work?

Aside from obviously expanding your own cultural knowledge which is invaluable, you also pick up a few good ideas about how to do things differently. I've kept in touch with people I met in Sweden and it's easy to run queries past them. I'm also due to give a presentation at the UKCISA conference in June related to my experience on the Staff Erasmus training aimed at demystifying it for other administrative staff.

For more information about Erasmus+ Staff Training Mobility visit: bit.ly/Eras-Plus



Gabriella Santosa (left) with runner up Florence Gschwend, who also received a £10,000 award to develop her innovation.

Water filtration innovation wins 2016 Althea-Imperial prize

New membrane technology to filter hazardous micropollutants from water won top prize in Imperial's pioneering entrepreneurial programme for women.

Gabriella Santosa, a final year undergraduate student from the Department of Life Sciences, took home £10,000 of funding at the finale of the Althea-Imperial Programme.

The Althea-Imperial Programme is a unique collaboration between Imperial and the Althea Foundation, a social venture fund. Now in its second year, the initiative is designed to inspire a new generation of women in science, technology and business.

Gabriella's start-up, CustoMem, aims to tackle a key challenge for the textile industry – polluting heavy metals that are released during the apparel manufacturing process.

Using specially engineered bacteria, CustoMem creates membranes to capture, remove and recycle these heavy metals and other micro pollutants from the water.

Gabi and her team plan to use their winnings to help secure the required patents for their technology and roll out a pilot programme in Wales.

Speaking of her success, Gabi said: "I'd got used investors speaking to my male colleagues rather than me when we meet them. It was refreshing to be in this environment, surrounded by so many inspiring women, where I could have my voice heard."

Speaking at the event, Professor Alice Gast said: "If you give women an opportunity, they seize it. Women by their very nature are entrepreneurial, they just need the confidence to make the leap into an uncertain future and pursue their idea."

—DEBORAH EVANSON, COMMUNICATIONS AND PUBLIC AFFAIRS

Althea Finalists

FLORENCE GSCHWEND

A process for the conversion of metal-contaminated waste wood into bio-based fuels, plastics and other useful materials.

CHRISTINA PETERSON

A wearable device which helps users monitor the light they receive from their surroundings and help them map the effect this has on their circadian rhythm.

LAUREN DENNIS

A low-cost home testing kit which would allow farmers in isolated rural communities in the developing world to test their livestock for disease without needing to rely on lab tests or specialist expertise.

TAYIBBAH ALI

A wireless ECG device which would allow for the continuous monitoring of electrical signals from a patient's heart – enabling a more comfortable experience for patients and reduced risk of hospital infection.

MARTINA GARBOLINO

A low-cost device and app to help people monitor moles on the skin and increase the chance of early detection of skin cancer.

Pitch perfect Techtonics crowned world a cappella champions

The Techtonics – Imperial’s all-male student a cappella group – have been named the international champions of collegiate a cappella.

The team are the first non-US group to win the prestigious prize for university a cappella groups.

The group competed in several rounds of the competition against teams from across North America and Europe before reaching the final.

The final of the competition, made famous by the film Pitch Perfect, was held in the Beacon Theatre on Broadway on 30 April and saw The Techtonics compete against nine of the USA’s finest to take home the trophy.

The Techtonics were given 12 minutes to perform their routine, a very British-themed medley



The Techtonics perform at the 2016 Imperial Festival

featuring Queen’s ‘Bicycle Race’, Sam Smith’s ‘Lay Me Down’ and the Beatles’ ‘I Saw Her Standing There’. Their accompanying choreography included the group forming a human bicycle.

Asked what they brought to the competition that made them stand out, the group’s bass, Alex Moore (Physics), said “I think we brought some real British charm. The scene in America has been getting really serious and ‘edgy’ of late, and we

just wanted to liven things up.”

“It was surreal,” added Henry Harrod (Mechanical Engineering), a singer in the group and the producer of the group’s summer Edinburgh Fringe show, “None of us had ever done anything close to this. There were nearly 3,000 people in the crowd cheering, it was incredible.”

Following the group’s success Imperial College Union bar will now play host to the two foot-tall trophy,

‘The Gooding Cup’ for the next twelve months. “It’s great to have it here in the UK,” Henry added, “It’s the first time it’s left the US, and we’re ecstatic to have shown that the UK can beat the US at its own game!”

—JON NARCROSS, COMMUNICATIONS AND PUBLIC AFFAIRS

Watch a video of the winning performance here: bit.ly/Tech-tonics

blog
SPOT

Student blogger Ksenia: **broadening your Horizons**

“Horizons is a programme of courses designed to... broaden your horizons. They are generally optional, although not if your course involves a year in Europe, as mine does.



I have to study the appropriate level of the appropriate language. For me, this was level 4 German, since I had studied it up to A-level. Briefly and in an as helpful as possible way, here are the main things I wish I had known/I didn’t expect:

- Yes, this is a proper course. The lessons are two hours long and there is also a lot to cover, so it ends up being rather intense with at least an hour of homework a week.

- There are exams and an oral assessment at the end. They are nothing too stressful, but some preparation would be good.
- It really is up to you how much you put into the course. There is always stuff to do in addition, if you happen to care and really want to learn the language.
- It’s another nice way to meet people you have things in common with.”



More from Ksenia and our other student bloggers:
wwwf.imperial.ac.uk/blog/studentblogs/

Information about Horizons: imperial.ac.uk/horizons



Beautiful minds

Last month the College's staff network for disability and mental health Able@Imperial hosted a fascinating guest lecture about the history of autism research.

Best-selling US author and investigative journalist Steve Silberman took the audience on a journey from the fraught early days of autism classification through to the recent times and the concept of neurodiversity.

He concluded by talking about the empowerment of the autistic community in recent decades, partly through the internet – a 'native communication medium' for people who struggle with body language, tone of voice and other cues – and also through the concept of 'neurodiversity' coined by Australian activist Judy Singer to encompass autism spectrum disorders as well as diagnoses such as dyslexia.

"Now what's happening is that autistic role models are becoming more visible, which gives a very valuable vision of a practical, hopeful future for autistic kids. Also companies all over the world are starting to realise that autistic people can make productive, valuable and loyal employees provided that the right accommodations are made for them," Steve said.

Imperial's Provost Professor James Stirling was present for the event and thanked both Steve for taking the

time out of his busy schedule to come to Imperial and Able@Imperial for organising and hosting the event.

"This is an important event for the College and I'm delighted to be here. In Imperial's strategy for 2015–20 we set out a very clear commitment to promote inclusiveness, equality and diversity. This is not only about the people who are directly affected, but also about making the College a better place for everyone – because a community that is inclusive and supportive is likely to be more engaged and more productive."

Chair of Able@Imperial Sarah Shemilt added: "It's been a privilege to have Steve here today to talk about his work and how he has used his investigative skills to bring this story to light. I would like to thank in particular Roddy Slorach for arranging Steve to come and talk at the College, and the Equality, Diversity and Inclusion Unit for supporting us.

"Able@Imperial is open to all disabled staff, staff who support disabled dependents, and staff who have an interest in disability in the workplace. We aim to promote a positive culture around disability using the social model of disability. We host a regular series of events throughout the year and are always open and encourage people to come and join us on the committee."

Find out more information about Able@imperial, visit: bit.ly/able-imperial

Meet Imperial's new Student Mental Health Adviser

Earlier this year Imperial appointed as its first Student Mental Health Adviser in Helen Joseph – a mental health nurse and a family therapist of 21 years.



So what is a Mental Health Adviser?

The role of the Mental Health Adviser is to provide a specialist mental health service to the College community. I work with students who have a moderate to severe mental health difficulty, undertake one-to-one casework, and work with staff to understand the mental health needs of students.

What will you be doing to raise awareness of mental health at the College?

Part of this will be through specific campaigns like Mental Health Awareness Week. It's about having a presence in College where students can come with questions and find out how to access support.

The other side of mental health promotion is working with different parts of the College to raise awareness and support staff in how they themselves support students with difficulties early on. We'll be offering various forms of training, workshops and talks to different departments.

Your role is part of a wider support network at the College. What other services are out there?

Mental health advice is part of the Student Counselling and Mental Health Advice Service here at the College, which includes the Counselling Service. The Counselling Service accepts direct referrals from students so any registered student can make an appointment. They also run workshops on topics to do with emotional wellbeing and mental health throughout the year.

The Mental Health Service is different in that students need to be referred by a member of staff to access the service. It provides support for students who may have had, or are experiencing, moderate to severe mental health difficulties.

"It's about having a presence in College where students can come with questions and find out how to access support."

We're also there to signpost students and members of staff to other services within the College such as the Chaplaincy Multi Faith Centre who run mindfulness sessions, or their GP through whom they have access to other services and support.

—JON NARCROSS, COMMUNICATIONS AND PUBLIC AFFAIRS



L–R Professor James Stirling, Steve Silberman, Roddy Slorach, Alexandra Williams and Sarah Shemilt

obituaries

SIR TOM KIBBLE

Sir Tom Kibble, Emeritus Professor of Physics died on 2 June 2016, aged 83 years. His friend and colleague in the Department, Professor Jerome Gauntlet, pays tribute.

Sir Thomas Walter Bannerman (Tom) Kibble CBE FRS was distinguished for his ground-breaking research in theoretical physics and his work has contributed to our deepest understanding of the fabric and forces of the universe.

Tom was born in 1932 in Madras, India. He moved to Edinburgh in 1944 to attend Melville College. After graduating from the University of Edinburgh, in 1959 he joined the Theoretical Physics Group at Imperial, starting an association with Imperial that would last for nearly 60 years.

He is best known for his seminal work in the 1960s that led to the concept of a new elementary particle now known as the Higgs boson, a key feature of the Standard Model of particle physics, which was confirmed experimentally by the Large Hadron Collider at CERN in 2012. He was also one of the major pioneers of applying ideas in high energy physics to study the universe as a whole.

In 1980, Tom was admitted to the Fellowship of the Royal Society, where he would later serve as Vice-President from 1988-89. In 2009 Tom was jointly awarded the prestigious 2010 J.J. Sakurai Prize for Theoretical Particle Physics along with the five other leading scientists credited with the Higgs theory. He was Knighted in 2014 for services to physics. In addition to his outstanding research achievements, Tom's teaching and mentoring were exemplary. One recognition of this was a NESTA/Nature lifetime achievement award for mentoring that he received in 2005.

As Head of the Physics Department at Imperial from 1983 to 1991, he skilfully steered the Department through a difficult period of low funding for science in the UK. Tom was also active outside of academia,



joining the British Society for Social Responsibility in Science (BSSRS) soon after it was formed and serving as Chair of its National Committee from 1974 to 1977.

Throughout his illustrious career Tom conducted himself with extraordinary modesty and integrity. He was a special member of the small group of British academics who have made major contributions to our understanding of the universe at the deepest level. He was held in the highest esteem and was regarded with great affection by his colleagues and students alike. He will be very sadly missed.

JOHN PAIN

Dr H J Pain, Emeritus Reader in the Department of Physics, died on 21 February 2016, aged 94 years. His colleague and friend in the Department, former Operations Manager Linda Jones, pays tribute.



Born in 1922, John served as a Fleet Air Arm pilot in the Royal Navy in World War II, flying from aircraft carriers during postings in the Arctic, the Pacific and the Mediterranean, amongst others. It was a formidable and challenging posting which involved being catapulted off the carrier, re-locating your ship after a sortie, landing on a tiny, heaving deck in gale force winds and possibly in darkness, then pulling up before you ran out of space and went over the end.

Understandably, John's service meant a lot to him and he was awarded the Distinguished Service Cross and Bar. He subsequently went on to serve as a Fighter Combat Instructor at the Fleet Air Arm Advanced Flying School at St Merryn in Cornwall – considered to be the crème de la crème of training centres for the best pilots. At the end of the war, John left flying behind to turn his attentions

to his lifelong interest of physics – securing a place to study the subject as an undergraduate at St Andrew's University in Scotland.

He joined Imperial College's Physics Department in 1954 where his research specialised in plasma physics. He undertook additional roles as Admissions Tutor and academic in charge of 'A' level practical examinations. Formally retiring in 1987, he continued his association with the Department as Emeritus Reader.

John was a passionate educator and mentor – fondly remembered by students for his animated, energetic and inspiring lectures. He is also renowned for his classic textbook, *The Physics of Vibrations and Waves*, published by Wiley and now in its 6th Edition, which has helped many thousands of students get to grips with this challenging field. Indeed, at the age of 90 his publishers asked him to produce a more contemporary version of the text for today's undergraduates, which was published in 2015 as *Introduction to Vibrations and Waves*.

In his later years John frequently returned to Imperial for the Thursday lunch-time concerts, which were always a source of great delight to him. Indeed, he always encouraged his students to take advantage of living in London – to go to the theatre, concerts, and exhibitions, and to be able to discuss more than just science.

He became my mentor when I joined Imperial in 1968 and under his wing I learned the fundamentals of undergraduate administration. My life has been all the richer for having known this special man and I, and many others, do not forget his inspiration.

John is survived by his wife Pat.

Welcome

new starters

Ms Anne-Tounsia Adoum, Medicine
 Miss Jummy Alabi, Finance
 Mr Ilyas Ali, Faculty of Medicine Centre
 Ms Vernisha Ali, Surgery & Cancer
 Professor Martin Allday, Medicine
 Dr Gioia Altobelli, Public Health
 Professor Andrew Amis, Mechanical Engineering
 Ms Andreya Andreeva, Catering Services
 Miss Adekemi Aofolaju, Bioengineering
 Mr Benjamin Arrowsmith, Surgery & Cancer
 Mr Azhaar Ashraf, Medicine
 Mr David Ashton, Registry
 Miss Lisa Aufegger, Surgery & Cancer
 Miss Talia Augustine, Residential Services
 Mr Davide Azimonti, Residential Services
 Miss Wei Ba, Life Sciences
 Miss Chloe Baker, Business School
 Dr Kirsty Balachandran, Surgery & Cancer
 Mr Vasileios Balntas, EEE
 Miss Catherine Batley, Business School
 Mr Yannis Baveas, Faculty of Engineering
 Miss Amanda Benson, Business School
 Mr Richmond Bergner, Surgery & Cancer
 Dr Samir Bhatt, Public Health
 Ms Naomi Black, Enterprise
 Dr Hannah Blanchford, Medicine
 Mrs Nadine Bloomfield, Finance
 Ms Martha Bond, Medicine
 Miss Marina Boor, Finance
 Dr Gabor Borgulya, Public Health
 Miss Desiree Botana Machado, Surgery & Cancer
 Mr George Bowie, Estates Division
 Mr Alex Brabin, Estates Division
 Mrs Laura Braidford, Surgery & Cancer
 Dr Louise Breuer, Public Health
 Dr Cyrus Broden, Surgery & Cancer
 Mr Nic Brown-Trenchfield, Campus Services
 Mr Tobias Buchborn, Medicine
 Dr Peter Buckle, Surgery & Cancer
 Dr Joerg Burgstaller, NHLI
 Mr Edmond Burke, ICU
 Mr Christopher Burrows, Mechanical Engineering
 Ms Caroline Cabraal, ICT
 Dr Giocchino Cafiero, Aeronautics
 Ms Grace Carey, Public Health
 Mr Isaias Carrasco Blazquez, Physics
 Miss Joana Carvalho de Vasconcelos, Public Health
 Dr Abby Casey, Chemistry
 Dr Maria Cencioni, Medicine
 Dr Jason Chang, Bioengineering
 Miss Rosina Chaudhry, Computing
 Mr Gilbert Chimungu, Risk Management
 Dr Kok Chooi, Bioengineering
 Dr Agostino Cilibrizzi, Chemistry

Dr Jonathan Clarke, Surgery & Cancer
 Mr Sylvester Colaco, Sport and Leisure
 Miss Leah Colthurst, Public Health
 Mr Steven Cousins, Business School
 Dr Spencer Crowder, Materials
 Mr Vincenzo Cunsolo, Chemical Engineering
 Miss Katharine Curry, Medicine
 Mrs Beate Cygon, Residential Services
 Mrs Kim Cyrus, Medicine
 Dr Sonia Dagnino, Public Health
 Miss Rochelle Dalrymple-George, HR
 Ms Franca Davenport, Communications and Public Affairs
 Mr Nicola De Laurentis, Mechanical Engineering
 Dr Sara de Mateo Lopez, EEE
 Dr Yves-Alexandre de Montjoye, Faculty of Engineering
 Dr Khuong Dinh, Physics
 Dr Mariya Dobreva, Life Sciences (Silwood Park)
 Dr Gillian Duffy, NHLI
 Miss Victoria Durojaiye, Residential Services
 Dr Peter Edmunds, Physics
 Ms Onyekachukwu Ekpechue, Residential Services
 Dr Red Elmahdi, Public Health
 Mr Simon Etherton, ICT
 Dr Andrew Ewing, Chemical Engineering
 Dr Ying Fan, EEE
 Dr Nieves Fernandez Anez, Physics
 Mr Andrew Flather, Advancement
 Dr James Flewellen, Medicine
 Miss Harriet Flower, Enterprise
 Miss Priya Floyd, Civil and Environmental Engineering
 Mr Khari Fraser, Residential Services
 Miss Giusy Frate, School of Professional Development
 Miss Jo Frazer, Advancement
 Miss Laura Fuentes-Font, Medicine
 Dr Jonathan Gabriel, Medicine
 Dr Ian Garner, Surgery & Cancer
 Miss Andra-Simona Ghilman, ICU
 Dr Konstantinos Gkoutzidis, Computing
 Dr Miguel Gomez Gonzalez, Materials
 Miss Chloe Gooders, Registry
 Miss Kate Goss, HR
 Miss Charlotte Green, Education Office
 Ms Orene Greer, Surgery & Cancer
 Dr Jerahme Griffith, Chemistry
 Dr Mariam Habib, Public Health
 Mr Georg Hahn, Mathematics
 Miss Katalin Hajdu, Residential Services
 Dr Nabil Hajji, Medicine
 Miss Joanne Hall, Residential Services
 Mrs Erin Hallett, Business School
 Miss Dionne Hammond, Medicine
 Dr Fabian Hampp, Mechanical Engineering
 Dr Jeffery Hardy, Grantham Institute
 Mr Simon Harmer, NHLI
 Miss Charlotte Harvey, Life Sciences
 Miss Harini Hewa Dewage, ESE
 Miss Liz Hider, Advancement
 Miss Laura Honey, Faculty of Natural Sciences
 Mr Conor Horgan, Materials
 Dr Simon Hu, Civil and Environmental Engineering

Miss Lottie Ion, Surgery & Cancer
 Dr Jake Jacobson, Clinical Science
 Mr Omar Jallow, Residential Services
 Dr James Jarvis, Life Sciences
 Dr Philip Jedrzejewski, Chemical Engineering
 Dr Jingjing Jiang, EEE
 Miss Danielle Johnstone, Registry
 Mr Hamdi Joudeh, EEE
 Dr Chiyong Jung, Mechanical Engineering
 Mr Juhan Kahk, Materials
 Ms Nuala Kearney, Occupational Health Service
 Dr Florian Kelbert, Computing
 Mr Joseph Kelly, Catering Services
 Miss Habiba Khanom, Registry
 Dr Dongyoon Khim, Physics
 Dr Bohwon Kim, ThinkSpace
 Dr James Kimber, Chemical Engineering
 Dr Sumesh Kureppadathu Raman, Chemistry
 Miss Elena Kyoseva, Residential Services
 Dr Florent Lassalle, Public Health
 Dr Maria Lathouri, ESE
 Miss Marie Laviron, Life Sciences
 Mr Dominic Lee, HR
 Mr Lieuwe Leene, EEE
 Mr Michal Lepkowski, Public Health
 Mr Bing Li, Physics
 Miss Leah Liddell, Residential Services
 Dr Nan Lin, Public Health
 Mr King Liu, Medicine
 Mr Paolo Lombardi, Residential Services
 Miss Elena Louca, Mathematics
 Mrs Katrina Lowther, ThinkSpace
 Mr Martin Lupton, Faculty of Medicine Centre
 Mr Brendan Maginnis, ISST
 Dr Arti Maini, Public Health
 Miss Heulwen Mainwaring, Research Office
 Mr Wing Man, ICT
 Dr Giulia Mangiameli, Public Health
 Miss Jenelle Marfo, Residential Services
 Miss Camille Marijon, Materials
 Dr Andrea Marongiu, NHLI
 Mr Antonio Martins De Jesus Lima Grilo, Chemical Engineering
 Miss Claire Mason, Public Health
 Dr Indran Mathavan, Life Sciences
 Mr Paul Mburu, Advancement
 Dr Thomas McCorvie, Medicine
 Mr Oliver McFeeters, Public Health
 Professor William McKenna, NHLI
 Miss Sophie Meeran, Residential Services
 Dr Shilpi Mehra, Public Health
 Dr Thomas Mellan, Materials
 Dr Hannah Menke, ESE
 Miss Roberta Migale, Surgery & Cancer
 Mr Michael Mireku, Public Health
 Miss Hothri Moka, NHLI
 Dr Rafael Montezuma Pinheiro Cabral, Mathematics
 Dr Alejandro Moreau Ortega, Chemical Engineering
 Miss Amy Morton, HR
 Dr Susan Mulcahy, Enterprise

Miss Carrie Mullineaux Sanders, Life Sciences
 Miss Ivy Mumuni, Residential Services
 Mr Dominic Murray, ICU
 Dr Salomon Narodden, NHLI
 Ms Suneeta Nathan, Medicine
 Mr Chris Natt, Design Engineering
 Mr John Ng Wing Wye, ICT
 Mr Geoffrey Ng, Mechanical Engineering
 Miss Rosemary Niakiwala, Residential Services
 Dr Angel Nieves-Pino, Civil and Environmental Engineering
 Dr Yasunori Noguchi, Clinical Science
 Dr Dongwon Noh, Mechanical Engineering
 Miss Susana Noronha Moreira Antunes Gomes, Mathematics
 Mrs Lorena Nunes De Lima, Catering Services
 Miss Anne Ogunbiyi, Residential Services
 Mr Jarlath O'Hara, ICU
 Mr Lucas Oliveira Gomes, Catering Services
 Mr Simon Olofsson, Computing
 Mr Erdal Ozdemir, Medicine
 Miss Amrita Padan, Residential Services
 Mr Wei Pan, Mathematics
 Miss Julia Panascia, Finance
 Dr Nandinee Patel, Medicine
 Dr Susan Paterson, Medicine
 Mr Abhishek Paul, Finance
 Mr Jelle Penders, Materials
 Dr Charis Pericleous, NHLI
 Ms Belen Pevida, Medicine
 Mr Akshay Pharma, Careers
 Ms Samara Phillips-Hines, Residential Services
 Ms Savannah Phillips-Hines, Residential Services
 Dr Alessandra Pinna, Materials
 Mr Nikolay Plotnikov, Finance
 Miss Rachel Plume, Business School
 Mr David Poirier-Quinot, Design Engineering
 Mr Carlos Polo Romero, Catering Services
 Mr David Poussin, Materials
 Dr Carlos Pozo Fernandez, Chemical Engineering
 Dr Aiswarya Prabha, Chemistry
 Dr Sanjay Prasad, NHLI
 Mr Thomas Prince, Mathematics
 Miss Urszula Pucilowska, NHLI
 Dr David Pugh, Chemistry
 Ms Zhijian Qin, Computing
 Miss Harpreet Rajbans, Campus Services
 Dr Alba Ramos Cabal, Chemical Engineering
 Dr Ricardo Randall, Life Sciences
 Mr Mark Rawley, Sport and Leisure
 Dr Monika Reddy, Medicine
 Dr Ilya Reshetouski, Computing
 Miss Stephanie Reynolds, EEE
 Mr Sivaldo Ribeiro Do Amaral, Finance

Miss Miriam Ries, Medicine
 Miss Laura Riggall, Medicine
 Dr Benjamin Roberts, ICT
 Miss Emma Roberts, Residential Services
 Mr Matthew Robinson-Burt, ICU
 Mr Tim Rodgers, ICT
 Mr Saymon Rodrigues Madeira, Surgery & Cancer
 Ms Beatrix Rozsa, Public Health
 Dr Paula Saavedra Garcia, Surgery & Cancer
 Dr Sajad Saeedi Gharahbolagh, Computing
 Miss Asha Salah, Medicine
 Mr Christopher Sanders, Medicine
 Mr Ma Satheshkumar, ICT
 Ms Momoko Sato, Surgery & Cancer
 Mr Angelo Scannapieco, Residential Services
 Dr Sarah Schneider, Clinical Science
 Miss Silvia Schneider, Life Sciences
 Mrs Gemma Seabrook, ICT
 Dr Florent Seichepine, Computing
 Ms Justina Senkus, Faculty of Engineering
 Mr Vivek Senthivel, Life Sciences
 Ms Emily Seymour, Faculty of Medicine Centre
 Dr Chengguo Shen, Medicine
 Dr Petros Siegkas, Design Engineering
 Ms Priyansmita Sinha, Physics
 Dr Subenuka Sivagnanasundaram, Mechanical Engineering
 Dr Mark Smith, Physics
 Professor Sue F Smith, NHLI
 Mr Vitor Soares Lopes, Computing
 Miss Marwa Soussi, NHLI
 Mr Jack Steadman, ICU
 Dr Camilla Stitt, Materials
 Miss Oniz Suleyman, Medicine
 Mrs Doreen Sylvester, Estates Division
 Miss Agnieszka Szymula, Medicine
 Miss Thelma Tackie, Residential Services
 Professor Nina Thornhill, Chemical Engineering
 Dr Kyoko Tossell, Life Sciences
 Dr Antonio Trabalza, Medicine
 Mr Giovanni Tretola, Mechanical Engineering
 Mr Konu Ullah, ICT
 Dr Mehriban Ulusoy, Faculty of Natural Sciences
 Miss Sarah Vincent, Student Recruitment & Outreach
 Miss Maika Vinden, Residential Services
 Mr David Wenborn, Estates Division
 Dr Martin White, Chemical Engineering
 Mr Luke White, Physics
 Ms Olivia Wiafe, Estates Division
 Mr Jonathan Wood, Physics
 Mr Huw Woodbridge, Surgery & Cancer
 Mr Yang Yang, EEE
 Dr Fuzhou Ye, Medicine
 Dr Giuseppe Zito, Bioengineering

This data is supplied by HR and covers staff joining the College during the period 22 April – 13 June. This data was correct at the time of going to press. For Moving On, visit the online supplement at www.imperial.ac.uk/reporter

Farewell

moving on

Mr Kyrillos-Fokion Adesina-Georgiadis, Surgery & Cancer
 Miss Fran Ahtuam, Registry
 Mr Andrew Aikman, Public Health
 Dr Andrea Alenda Gonzalez, EEE
 Dr Abdul Alim, Computing
 Ms Emily Alpert, Centre for Environmental Policy
 Mr Joao Arnauth Pela, Physics
 Mrs Neha Arora, Life Sciences
 Mr Azhaar Ashraf, Medicine
 Dr Paolo Baesso, Life Sciences
 Dr Emma Bailey, Bioengineering
 Miss Rosie Baker, Campus Services
 Dr Yan Bao, Aeronautics
 Miss Kay Barrett, ICT
 Dr Hanna Barriga, Chemistry
 Mr Davide Benedetti, Grantham Institute
 Miss Cynthia Bishop, Medicine
 Dr Jonathan Bond, Clinical Science (6 years)
 Dr Edward Burgin, Chemistry
 Dr Elizabeth Byrne, Clinical Science
 Dr Thanapong Chaichana, Faculty of Engineering
 Miss Laura Coates, Surgery & Cancer
 Dr Deborah Coughlin, Civil and Environmental Engineering (7 years)
 Dr Ronnie Cunningham, Faculty of Medicine Centre
 Dr Vidya Darbari, Medicine
 Ms Kari Davies, Computing
 Ms Sian Davies, Business School
 Mr Olly Dean, Faculty of Medicine Centre
 Dr Francois Demoures, Mathematics
 Dr Michael Devine, Medicine
 Dr Carlo Di Franco, Physics
 Dr Tania Dottorini, Life Sciences
 Dr Andrew Duff, Materials
 Dr Ioanna Eleftheriadou, Medicine (6 years)
 Ms Angela Ellermeier, Business School
 Dr Daniel Elliott, Chemistry
 Dr Alberto Favaro, Physics
 Dr Claire Feeney, Medicine
 Dr Riccardo Fini, Business School (6 years)
 Ms Shona Flannigan, Public Health
 Miss Katy Freeman, Surgery & Cancer
 Dr Kun Fu, Business School
 Dr Gregor Fuhrmann, Materials
 Ms Paula Fyans, Public Health
 Dr Ranjani Ganji, Life Sciences
 Dr Victoria Garcia Rocha, Materials
 Miss Denise Gardner, NHLI
 Ms Lorraine Gaston, Centre for Environmental Policy
 Dr James Gilchrist, Materials
 Mr Jacob Goldberg, Medicine

Mr Andrew Greig, Faculty of Medicine Centre
 Mr Farhang Haddadfarshi, Physics
 Dr Matthew Hannon, Centre for Environmental Policy
 Dr Gareth Hardy, Medicine
 Mr James Hay, Public Health
 Dr Sijin He, Computing
 Mr Jani Heikkinen, Public Health
 Dr Sebastian Henkel, Mechanical Engineering
 Miss Lisa Hoang, Medicine
 Professor Philip Ingham, Medicine
 Dr Maria Izquierdo Arcusa, Chemistry
 Mrs Julie James, Medicine
 Mr Mostafa Jamshidiha, Life Sciences
 Mr Vladimir Jarina, Residential Services (8 years)
 Dr Jill Johnson, NHLI
 Mrs Nelly Jolinon, Medicine
 Dr Zoe Kelly, Surgery & Cancer
 Dr Mehdi Khoury, Public Health
 Dr James Kimber, Chemical Engineering
 Miss Dionysia Kordopati, Catering Services
 Dr Jessica Lai, Chemical Engineering
 Miss Laura Lambert, NHLI
 Mr Nicholas Lao-Kaim, Medicine
 Dr Emma Lawrence, Public Health
 Dr Florian Le Goupil, Materials
 Dr Zina Lechevallier, Public Health
 Dr Matt Lee, Medicine (21 years)
 Mr Damon Lee, Mechanical Engineering
 Dr Guillaume Lepert, Physics
 Mr Kit Leung, Medicine
 Mr Jianmo Li, Mechanical Engineering
 Mr Jack Liang, Surgery & Cancer
 Ms Jane Lillywhite, Public Health (14 years)
 Dr Chang Liu, Mechanical Engineering
 Dr Fangde Liu, Mechanical Engineering
 Miss Elina Lulle, Business School
 Ms Roni Maimon Mor, Bioengineering
 Miss Sophie Malakouti, Surgery & Cancer
 Dr Josephine Malmevik, Medicine
 Miss Samantha Martin, Bioengineering
 Mr Joao Martins Gil, Catering Services
 Miss Jacqueline McDonald, Medicine
 Mr Eamonn McEvoy, Registry (7 years)
 Mr Ian McGilloway, ICT
 Dr John McGonigle, Medicine
 Dr Eamon McMurray, Mathematics
 Dr Zenobia Mehta, Medicine
 Dr Lamia Mestek Boukhibar, Life Sciences
 Dr Harriet Mills, Public Health
 Miss Nazma Mojid, Estates Division

Dr Shahrul Mt-Isa, Public Health (7 years)
 Dr Shakunthala Narayanaswamy, Medicine
 Mr Chris Natt, Surgery & Cancer
 Mr Bernard Ndungu, Public Health
 Dr Belinda Nedjai, EEE (7 years)
 Ms Madalina Negoita, NHLI
 Dr Monica Nijher, Medicine (7 years)
 Dr Vladyslav Nikolayevskyy, Medicine
 Dr Petr Novotny, Computing
 Mr Richard Oberdieck, Computing
 Miss Leanne O'Neill, Medicine
 Dr Zhan Ong, Materials
 Dr Freddy Oropeza Palacio, Materials
 Dr Jose Ortega Calderon, EEE (8 years)
 Mr Thomas Palmer, Public Health
 Dr James Parkinson, Medicine (7 years)
 Dr Ernest Pastor Hernandez, Chemistry
 Dr Nicola Pavese, Medicine
 Mr Thomas Payne, Surgery & Cancer
 Dr Jennifer Peed, Surgery & Cancer
 Ms Linda Pelyhe, Catering Services
 Mr Georgios Petrou, Surgery & Cancer
 Ms Monica Piercy, Business School
 Dr William Pitchford, Chemistry
 Dr Michelle Plusquin, Public Health
 Mr David Poirier-Quinot, Design Engineering
 Mr Graeme Poole, ESE
 Dr Simon Pooley, Life Sciences (Silwood Park)
 Mr Nemanja Rakicevic, Computing
 Dr Liam Rasch, Medicine
 Dr Andia Redpath, NHLI
 Dr Ilya Reshetouski, Computing
 Ms Lindsey Roberts, Campus Services
 Ms Sherezade Ruano Santana, NHLI
 Miss Nung Rudarakanchana, Surgery & Cancer
 Dr Tariq Saeed, Aeronautics
 Miss Jonata Sakalauskaite, Catering Services
 Miss Farhana Saloo, Mathematics
 Mr George Sammonds, Design Engineering
 Dr Savvas Saouros, Life Sciences
 Mr Wasim Sarwar, Mechanical Engineering
 Mr Emanuel Savage, Medicine
 Mr Alberto Scaccabarozzi, Materials
 Dr Marina Serna Gil, Life Sciences
 Dr Niamh Shanahan, Public Health
 Dr Mark Sherlock, Physics (7 years)
 Mr Chun Siew, Public Health
 Miss Christine Simpson, Computing
 Ms Asha Singh, Centre for Environmental Policy
 Dr Joseph Sollini, Bioengineering
 Miss Si Sou, Chemical Engineering
 Dr Jorge Soza Ried, Clinical Science

Dr Konstantina Spagou, Surgery & Cancer (5 years)
 Dr Florian Steiner, Grantham Institute
 Dr Graham Stutter, Physics
 Miss Laura Styles, Student Recruitment & Outreach
 Miss Yunyun Sun, Chemistry
 Mr Kevin Tang, Faculty of Medicine Centre
 Mr Manjuka Tennakoon, ICT (10 years)
 Ms Sophie Thompson, Business School
 Mr Orestis Tsinalis, Computing
 Dr Thomas Turner, Communications and Public Affairs (10 years)
 Mr Jonathan Tustain, School of Professional Development
 Dr Leanna Upton, Life Sciences
 Ms Hiromi Uzu, NHLI
 Ms Carolin Vegvari, Public Health
 Dr Venanzio Vella, Medicine
 Dr William Vigor, Chemistry
 Miss Josie Wales, Advancement
 Miss Jennifer Ward, Chemistry
 Dr Charlotte Wilhelm-Benartzi, Surgery & Cancer (5 years)
 Dr Suet-Ping Wong, NHLI (6 years)
 Mr Robert Wright, Computing
 Dr Zili Zhang, Chemical Engineering
 Mr Tom Zhang, Business School
 Ms Kuangyi Zhang, Mechanical Engineering

Death in service

Mrs Sarah Chilcott-Burns, Surgery & Cancer

Retirement

Mrs Anne Hough, EEE
 Mr Mohammad Nunhuck, Security Services
 Mrs Wendy Pearson, Faculty of Medicine Centre
 Mrs Margaret Quinn, Residential Services
 Ms Megan Roy, Surgery & Cancer

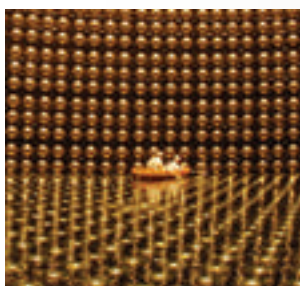


21 JUNE, 17.30

Mathematics of the mob

How do flocks of birds or schools of fish appear to act as one self-aware organism? How do political or social movements spread across populations? Professor Pierre Degond is a Professor of Applied Mathematics at Imperial who is interested in understanding these 'emergence phenomena' from a

mathematical perspective. In his lecture he will talk through his application of classical mathematical physics to a variety of exotic systems, addressing issues as diverse as designing efficient pedestrian infrastructures to improving artificial insemination success rates.



6 JULY, 18.00

Neutrino 2016 – public talk

Neutrinos are tiny, light and fast – and they're everywhere, passing benignly through our bodies every day. Neutrino physicists from around the world are meeting in London to discuss the latest searches for new kinds of neutrinos, measurements of their extremely small masses and interactions, and their role

in the physics of astronomical bodies. Professor Brian Cox will take the audience on a tour of the world of the neutrino, explaining how such a little particle manages to live so large.

take note

Wine tasting

If you like a glass of wine and wish you knew more about it, or if you just want to drink better wine but don't know where to start then a wine tasting event at h-bar might be for you. An expert tutor will take you on a truly delicious tour of eight wines from a selected global region.

FRIDAY 24 JUNE, 17.00 – 19.30
H-BAR, SHERFIELD BUILDING
TICKETS: £7.50 (staff) £6 (students)

Find out more about the event here:
bit.ly/IC-vino



21 JUNE, 13.00

What does Oorja mean for rural electrification?

Clementine Chambon & Philip Sandwell talk about their work bringing biomass gasification and solar-powered electricity to rural India.

21 JUNE, 17.30

How to scale social impact: Investing in social innovations

Learn how social enterprise can be made more valuable beyond just financial objectives, at this Entrepreneurship Hub event

23 JUNE, 17.30

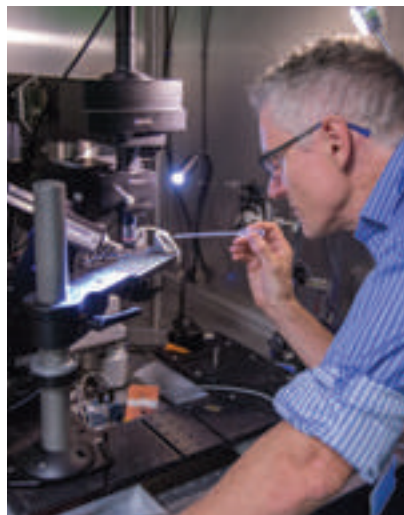
Sandwiches, snakes and stays: interacting with instabilities

Explore the role of mathematical modelling in preventing complex catastrophic failures in structural components

27 JUNE, 09.30

Bioprocess engineering strategies for stem cell-based therapies and regenerative medicine

Join us for a Distinguished Chemical Engineering Seminar given by Professor Joaquim M. S. Cabral, Instituto Superior Técnico, Portugal



20 JULY

Imperial Neurotechnology 2016

One-day symposium showcasing Neurotechnology research at Imperial and beyond

Imperial College London

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