



Languages at your finger tips

Staff and students now have free access to the renowned online language learning tool Rosetta Stone.

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Digital design to boost pharmaceutical industry

Leeds researchers are part of a project to transform the UK's pharmaceutical industry by introducing new digital design processes.

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Donors changing the future for Leeds students

The Making a World of Difference Campaign is extended for a further four years.

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Women of Achievement Awards 2016

The University recognises 16 outstanding female colleagues or students at the Woman of Achievement 2016 Awards.

Read more on pages 2-3

Leader column

Building on our commitment to deliver world leading research and education

I have been a bit pre-occupied during January and February, focusing on the appointment of two new Deputy Vice-Chancellors and a Pro-Vice-Chancellor to lead our international activities, and working on our bond issue.

I am delighted to welcome Professor Lisa Roberts as Deputy Vice-Chancellor for Research and Innovation and Professor Tom Ward as Deputy Vice-Chancellor for Student Education from August 2016. Both will build on our commitment to deliver world leading research and education in powerful combination, ensuring that each reinforces the other goo.gl/orcbaV. An announcement about the PVC International is expected before the Easter break.

In mid-February, I was pleased that the University was able to announce a £250m bond issue goo.gl/b23Bro. This will accelerate our programme of growth over the next five years enabling the University to invest in high quality facilities that will enhance student education and our commitment to develop cutting edge science, technology and innovation platforms which will drive progress in our world leading research. This success reflects an enormous amount of hard work on the part of Jane Madeley, Alan Thomson, Roger Gair and many others and, on behalf of the University, I thank them warmly. Jane, John Fisher and I spent three days on the road immediately before the bond issue and had the pleasure of explaining

the history, education and research profile, credit strengths and future ambitions of the University to the investment community who, in the event, proved to be remarkably responsive.

Meanwhile, we will open our doors with two major events that invite more people than ever before to visit us and find out more about what we have to offer – academically, culturally and aesthetically.

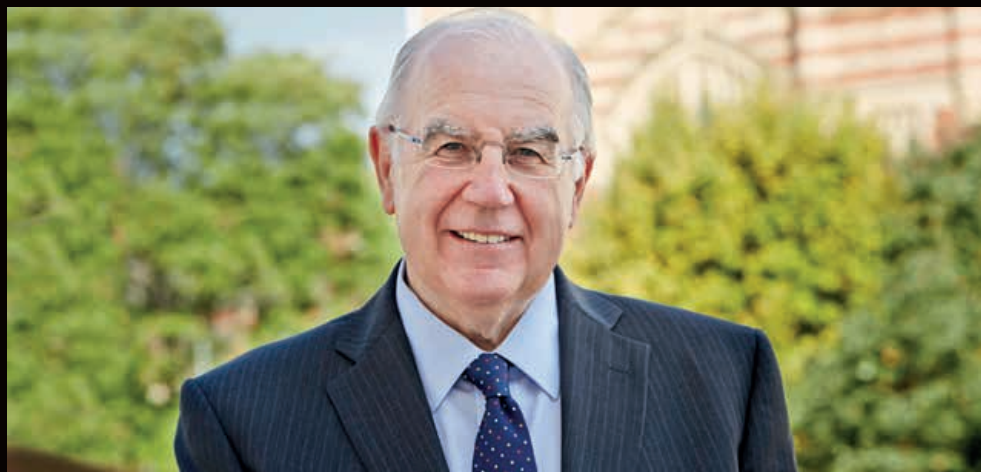
There are high hopes that our inaugural Be Curious Festival will prove popular, attracting the public to campus on Saturday 19 March, featuring as it does a range of family-friendly, free activities. The main aims of Be Curious are to provide an opportunity for people to get a feel for the fantastic research the University conducts and for our researchers to gain first-hand experience in engaging the public with their research. Visitors can take part in hands on research, attend mini lectures, go inside a planetarium, talk to our academics, and take a number of different guided campus trails (Senses; Through Time; Virtual; Engineering; Minds, Brains and Bodies) – all around the theme of Health and Wellbeing, and involving eight out of our nine faculties. I will be attending

with Pro-Vice-Chancellor Professor David Hogg, who is involved in a hands-on activity on the Virtual trail demonstrating Lucie the care home robot. Be Curious is part of the wider Leeds Festival of Science which itself will be attracting thousands of children and young people to campus and other locations around the city to learn more about science, technology, engineering and mathematics.

For colleagues unable to visit the Be Curious event, there will still be time to take part in another 'first' for the University when we stage the Astbury Conversation on 11-12 April. Following an academic symposium, members of the public and colleagues can visit 'The Secret Life of Molecules' – an exhibition that will enable people to see at first hand some of the science behind the molecules of life, and to hear how understanding of life in molecular detail is helping to shape the future, from healthy ageing, to disease intervention and the creation of new biomaterials. The exhibition will be followed by a public lecture by Professor Michael Levitt, FRS, who was awarded the 2013 Nobel Prize in Chemistry. More details at www.astburyconversation.leeds.ac.uk



2016 women of achievement winners (l - r) Dr Andrea Utley (School of Biomedical Sciences), Dr Caroline Peacock (School of Earth and Environment), Professor Karen Lucas (Institute for Transport Studies), Dr Susan Hamer (NIHR Clinical Research Network), Kairen Skelley (Spark, Careers Service), Professor Vivien Jones (Pro-Vice-Chancellor for Student Education, 2006-2016), Professor Ruth Wilcox (Institute of Medical and Biological Engineering), Professor Cath Noakes (School of Civil Engineering), Professor Alison Fell (School of Languages, Cultures and Societies), Sannia Farooque, student (School of Chemistry), Dr Anja Schmidt (School of Earth and Environment), Lucy Bailey, student (School of Politics and International Studies), Emma McNamara, student (School of Law), Professor Julia Brown (Leeds Institute of Clinical Trials Research), Professor Michelle Peckham (School of Molecular and Cellular Biology), Antonia Jones (IT Service Desk)



These two events are both 'firsts' but the intention is that they will both run again – Be Curious yearly, and the Astbury Conversation as a biennial event. I am also hopeful that in future they will be joined by other regular events that either take the University to the outside world or bring the outside world on to campus.

Finally, I must mention our 2016 Women of Achievement (WoA) and congratulate all the women who have been recognised with a WoA award or been nominated for one during the five years the initiative has existed. This year's ceremony was bigger than ever – honouring 16 women whose work has had a significant impact across the University and in the wider world, socially, scientifically, culturally and environmentally, and including a compelling lecture from Professor Jane Francis in her role as Director of the British Antarctic Survey.

Whilst each woman of achievement has her own story of success they all share some defining characteristics – they have approached their careers with enthusiasm, determination and a

commitment to excel in their professional fields of work, research or study. For some of these women, the success they have enjoyed comes from being pioneers in their work, for others it's the recognition for their unwavering hard work and dedication.

To mark the occasion, a booklet has been produced which features the 54 women who have received a Women of Achievement award during the five years it has been running goo.gl/oVIsf5. I'd urge you to read it and join me in hoping that their success stories inspire a new generation of women to pursue careers within academia and higher education with equal determination, pushing boundaries and taking risks to achieve rewarding and exciting opportunities.

Vice-Chancellor Sir Alan Langlands



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About the Reporter

The *Reporter* is the University of Leeds' staff magazine, produced eight times a year. More than 7,600 copies are distributed to our staff and stakeholders. The *Reporter* is produced by the Communications team.

Previous copies of the *Reporter* can be found online at www.leeds.ac.uk/forstaff/reporter

Read online

If you would prefer to receive an electronic copy of the magazine, please email the.reporter@leeds.ac.uk quoting your personnel number or, if you are external to the University, your name, postcode and work email address.

Keep in touch

If you have an idea for a story, want to write a letter, comment on this edition or would like to voice your opinion about University matters, please contact us at the.reporter@leeds.ac.uk or 0113 343 6699.

Your comments are always welcome.

The front cover shows 15 of the 16 recipients of this year's Women of Achievement Awards.

News

'A Celebration of Engineering Sciences' sculpture listed

The dynamic sculpture on the Mechanical Engineering building, designed by Allen Johnson in 1963, is one of 41 pieces of art across England to be Grade II listed.

Shaped from handmade clay moulds, the piece encapsulates the postwar public mood and is now protected by Historic England.

Tracey Crouch, heritage minister, says: "It is only

right that these fantastic pieces are listed. Not only are they magnificent sculptures but they are also an important part of our history, capturing the mood of Britain after the Second World War."



White Rose Brussels office opens

A new Brussels office established by the White Rose University Consortium – a strategic partnership between the universities of Leeds, Sheffield and York – aims to support our long-term strategy to influence EU research policy.

The White Rose Brussels office will work with key stakeholders on areas of research excellence which align with current EU research priorities and are supported by EU funding. It will also spot areas of strategic importance and strengthen name recognition of the three universities.



Dr Phil Holliday

Headed by Dr Phil Holliday, European Public Affairs Director, the new office will be supported by an office manager and have hot-desking facilities and a meeting room for use by staff from the three universities. The office will also offer Erasmus internship opportunities for students.

Dr Holliday says: "I am very excited to be leading the White Rose Brussels office. It will play an important role for the universities of Leeds, Sheffield and York in demonstrating their world-class research to the EU and in contributing to the development of EU research policy."

Martin Hamilton, Head of Strategic Initiatives, is coordinating work on the office for Leeds. He explains: "This is a great opportunity to raise the University's profile in the European capital. We're still prioritising projects, but we see the office focusing on three major areas for Leeds. The first is around research funding, where we'll seek to better engage with institutions in Brussels to improve funding prospects and influence funding agendas and long-term

Take part in our Comms survey and win a £25 M&S voucher



Have your say on some of the centralised communications you receive – the *Reporter*, For Staff website, newsletter and @UniLeedsStaff – by taking part in our online survey.

Your answers will let us know how colleagues feel about the information they receive, what they find useful and how communications could be improved. It's also a chance to give us your views on the *Reporter*.

The survey can be accessed via For Staff at www.leeds.ac.uk/forstaff/ or, if you want a paper copy, just contact internal comms on 0113 343 6699. It should only take a few minutes to answer four quick questions about the communications you receive.

Survey responses can be confidential or you can choose to be entered into the prize draw and win one of four £25 M&S vouchers. If you do supply contact details, they won't be used for any purpose other than the draw.

priorities. Second, we want to highlight the key research we're doing at Leeds, the impact it's having at national and European levels and the implications it might have for EU policies. Third, we'd like to focus on our alumni in Brussels – we have around 400 former students in active contact with us, and the office provides a great opportunity to build relationships and encourage them to be advocates for the University."

The official launch in April will be attended by Vice-Chancellor Sir Alan Langlands, together with the Vice-Chancellor of York and the Deputy Vice-Chancellor of Sheffield. After a formal ceremony, guests will be invited to attend sessions given by key academics from the three universities, based around the themes of sustainability, food security and health and wellbeing.

A White Rose Brussels office website will be launched shortly but, in the meantime, please contact Martin Hamilton at m.hamilton@leeds.ac.uk for more information.

Students



The Postdoctoral Forum organising committee (l-r): Jennifer Miles, Victoria Frankland, Katherine Jolley, Meryem Benohoud and Danielle Miles

Giving postdocs a louder voice

Postdoctoral colleagues are a large and vital part of the University community and a new forum in the School of Chemistry provides a shining example of how postdocs can be encouraged to come together and make their voices heard.

"There are around 80 postdocs in Chemistry but, prior to us setting up the Postdoctoral Forum, there was no mechanism for them to meet, discuss issues and act collectively," explains Dr Danielle Miles. "The forum is run by and for the postdoc community and provides a network for them to identify and address career development needs, highlight any issues of common interest, and give them a more prominent voice in the School. Finally, and possibly most importantly, at the end of each meeting there's the chance to have some refreshments and network with people outside their normal working groups. It's particularly pleasing to see so many women involved. It's well recognised that the transition from postdoc to academic is a key 'leakage point' for women scientists and addressing this is a key aim for institutions like the University which have Athena SWAN accreditation."

The quarterly meetings usually include talks from senior academics who share their career and work experiences, including roles that may go beyond teaching and research. University Academic Fellows have also been invited to share their experiences of getting a fellowship, and future plans include talks from alumni working in industry and input from the School's

Industrial Advisory Board.

Following the success of the forum, the organising committee decided to arrange the School of Chemistry's first Postdoctoral Fellow conference. The aim was to offer postdocs an opportunity to present their work to their peers and colleagues, showcasing the breadth and diversity of their research.

"Initially we had to nudge people to send in abstracts for the conference but in the end it was a huge success," continues Danielle. "A third of the School's postdoctoral community were involved in presenting research, and it was well attended by academic staff, postdoctoral researchers and PhD students from all chemical disciplines. The conference was organised by the forum committee, allowing us a valuable opportunity to develop new and existing skills, such as publicising the conference, chairing conference sessions, financial planning and obtaining funding."

The organising committee secured funding from the Royal Society of Chemistry and also generous sponsorship for prizes by Sigma Aldrich and Lhasa Ltd.

National Student Survey (NSS) is live

This year's NSS is now live, so please remind students of this opportunity to give their honest opinions on what they like about their time on their course, as well as things that they feel could be improved.

Now in its twelfth year, the nationally recognised annual survey asks undergraduates – normally those in their final year – in England, Northern Ireland, Wales and Scotland to take part. The survey is administered by Ipsos MORI, an independent market research agency.

The format of the questionnaire remains the same as in previous years, asking students the extent to which they agree with a series of statements. There will also be a question relating to the students' union. Results will be available in August 2016.

Responses to the NSS, and to all student surveys, are very important to the University. Individual schools and faculties compile action plans in response to student feedback, including the NSS and the internal Undergraduate Programme Survey. These can be seen at students.leeds.ac.uk/feedback

Externally, the feedback helps future applicants to higher education make informed choices.

The survey should take no more than 10 minutes to complete and participating students can claim 100 free printer credits.

For further information contact Helen Theakston at h.theakston@leeds.ac.uk or on 0113 343 5250.



WWW.THESTUDENTSURVEY.COM

Students

New recruit to Leeds International Summer School

For the first time, the Faculty of Education, Social Sciences and Law (ESSL) will take part in the 2016 Leeds International Summer School (LISS).

The School of Politics and International Studies and the School of Law respectively will deliver modules on 'Wealth and Poverty: The Making of the Modern World' and 'Exploring the Law: Crime, Contracts and Legal Skills'. These new modules add to a growing range of 10-credit modules adapted for LISS and taught by staff from nine schools across the University.

LISS is a four-week study-abroad programme for international and EU undergraduates who want to earn credit towards their home degree and experience life in the UK. Many are considering further study in the UK following their degrees and LISS provides the perfect taster of what Leeds has to offer.

If your School wants to get involved in LISS either by delivering a module or if you have links with institutions overseas who may want to send their students to participate in the programme, contact Lisa Beare on summer@leeds.ac.uk or 0113 343 7900. More details are also on www.leeds.ac.uk/summer

A module on 'Entrepreneurship and Society: Ideas, Opportunities and Value Creation' involved students working on Dragons' Den-style pitches (l-r): Sabrina Teo and Alison Mcleod

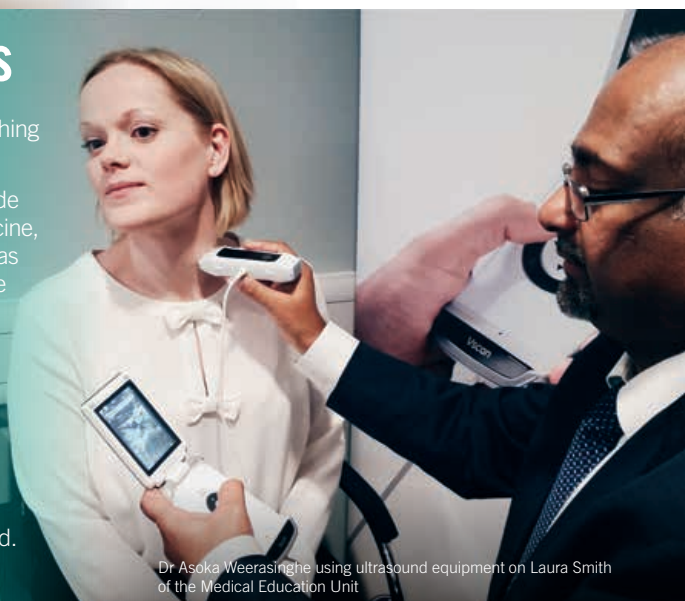
First ultrasound curriculum launches

Our School of Medicine has become the first UK institution to introduce ultrasound teaching throughout the full five years of the medical curriculum.

In clinical medicine, ultrasound is increasingly being used as a diagnostic aid and to guide procedural interventions. Its applications range from anaesthetics and emergency medicine, to rheumatology, palliative care and general practice. The miniaturisation of technology, as seen in the hand-held VScan created by GE Healthcare, will enable students to carry the machines to the bedside and different clinical areas.

This new initiative aims to introduce ultrasound into anatomy teaching in Years 1 and 2, clinical skills teaching in Year 3 and clinical speciality teaching in Years 4 and 5.

Project lead Dr Richard Wakefield, Senior Lecturer in Rheumatology, says: "Ultrasound is so commonly used now in clinical areas, it is logical to equip our next generation of doctors with appropriate skills during medical school. This early introduction of ultrasound will enhance current anatomy teaching, improve clinical skills teaching and teach core skills that will be essential for practice as a foundation year doctor and beyond. It will also improve patient satisfaction and safety."



Dr Asoka Weerasinghe using ultrasound equipment on Laura Smith of the Medical Education Unit

Opportunities for students!

Leeds to New York: Student Leadership Programme

Do you know of any outstanding students who would like to develop their leadership skills? Applications are invited for 15 undergraduate students to take part in a seven-day immersive programme examining the concept of 'smart cities' in Leeds and New York.

Supported by the Footsteps Fund, this will be an exciting opportunity for students, staff, representatives of the city of Leeds and our US alumni to work in partnership on a topic with global relevance. Contact Karen Shaw for further details on 0113 343 0548 or email k.m.shaw@leeds.ac.uk More information for students can be found at students.leeds.ac.uk/leedsnewyork

Yorkshire Graduate and Internship Recruitment Fair

Please remind students that this year's Yorkshire Graduate Recruitment Fair is on Wednesday 27 April 2016 between 11am and 3pm at The Edge. The Fair will be attended by over 110 local, national and international organisations, offering a variety of opportunities for students seeking internships or graduate schemes. They'll have the chance to meet organisations and talk directly to their representatives. Career consultants will also be on hand offering expert advice and running CV clinics.

Students from all years and degree disciplines can attend. For details for students and graduates can be found on the Fair website at www.careerweb.leeds.ac.uk/ygrf

Students



Languages at your finger tips

Staff and students now have **FREE** access to the online language learning tool **Rosetta Stone**, giving you the opportunity to learn a wide range of languages from beginner to intermediate level, or brush up skills in a language that you've learned in the past.

You can choose to learn the following languages: English (British and American), French, German, Italian, Spanish (Spanish and Latin American), Dutch, Japanese, Arabic, Greek, Polish, Turkish, Irish, Swedish, Russian, Hebrew, Mandarin Chinese, Korean, Persian (Farsi), Hindi, Filipino, Tagalog, Brazilian Portuguese, and Vietnamese.

Courses can be accessed online using a PC, tablet, mobile phone, Kindle Fire or Nook. The mobile app synchronises your account across all devices, so that your progress record is up to date whichever device you use to log in. You'll need a connected microphone and speakers or headphones.

Courses are accessed by logging in to the VLE vlebb.leeds.ac.uk/ If you don't have a University

username and password, apply online a goo.gl/wk7wgb or visit the IT Service Desk, Level 10, EC Stoner Building.

Each course involves up to 200 hours of learning and will be available for an initial period of three years.

Benefits for staff professionally

With around 31,000 students from some 146 countries and staff from 98 nations, many colleagues have contact with people who speak different languages. Others go abroad for conferences, research work and exchanges. Rosetta Stone gives easy access to language courses and cultural background information, which can help build good professional relationships and make overseas visitors to the University feel welcome. Courses might also give



researchers the confidence to explore source materials in other languages.

Benefits for staff personally

Rosetta Stone is available to staff and students who want to learn a language for use on holidays, for interest or simply for fun.

Benefits for students

Learning on Rosetta Stone is not credit bearing so students can use the courses to supplement taught language modules or on its own. It's excellent preparation for Study Abroad and is very useful for postgraduate students. Its flexibility means that it's easy for students to fit learning in around other commitments.

Find out more at www.rosettastone.co.uk/

Research and innovation

Improving rainfall and flooding predictions

The University is a partner in a new research project – Radar Applications in Northern Scotland (RAINS) – that aims to improve our understanding of rainfall and flood predictions in Scotland.

In the first in-depth study of clouds, precipitation and how they link to flooding in Scotland, our scientists will work alongside the Scottish Environmental Protection Agency (SEPA), the National Centre for Atmospheric Science (NCAS), Scottish Water and the Met Office. RAINS will involve the deployment of NCAS Mobile X-band Radar to Kinloss in Scotland until July 2016. The NCAS radar is capable of measuring clouds and precipitation in remote locations and is the only one of its kind in the UK.

Dr Lindsay Bennett from NCAS at the University, who operates the radar, says: "By deploying this radar we can provide high-resolution observations of the

precipitation in the Inverness and the Moray Firth area. Using these data, we aim to improve the understanding of rainfall and the predictions of floods in Scotland."

Coordinating the effort will allow the cutting-edge meteorological research and data from the

radar to be translated into real improvements in flood forecasts and defences. The Met Office is a partner organisation with SEPA in the Scottish Flood Forecasting Service, which brings together meteorological and hydrological expertise in providing flood forecasting and warning services.

SEPA's Michael Cranston says: "SEPA is committed to reducing the risk caused by floods by improving our ability to predict flooding, which is why we have funded this new research project. Innovation like this increases our knowledge, and leads to better forecasting, which ultimately helps our partners and those at direct risk to prepare for and reduce the impacts of flooding on their lives."



People

New environmental training for all

A training module has been launched to introduce all staff to the University's new Environmental Management System (EMS).

The EMS will support the University's commitment to sustainability, help us manage environmental, legal and regulatory risks, and meet the requirements of funders and regulatory bodies for us to have an externally-accredited EMS.

"We need all our staff to have a basic understanding of the system so the University can achieve certification to ISO 14001. We therefore really hope that people will get cracking and complete the training as soon as possible," explains Sustainability's James Dixon-Gough.

The interactive module only takes around 30 minutes to complete and can easily be done section by section to fit in with your schedule.

To take the module, please visit goo.gl/auHOX4 and log in with your usual staff user name and password.

The EMS complies with ISO 14001 and was developed alongside the University OHSAS 18001 system and shares procedures where appropriate. The EMS and related documents can be viewed at sustainability.leeds.ac.uk/ems/

If you have any questions contact James Dixon-Gough at j.dixon-gough@leeds.ac.uk or 0113 343 5793.



The EMS applies across all areas of campus, from green spaces to laboratories

Healthy Week 18-24 April

Turn your bad habits into good ones!

Healthy Week 2016 is the perfect opportunity for you to turn around bad habits.

Do you work through your lunch and sit at your desk all day? Instead, get yourself out of the office and try a new exercise activity or relax in the Mindfulness café. Are those biscuits in the office a bit too tempting? Why not replace them with some tasty fruit and get some of your five a day...

There are loads of great activities happening throughout the week. Take a look at the full programme online and get involved with your friends and colleagues www.leeds.ac.uk/healthyweek



Bring your events to a wider audience

The Events page on the University's corporate website www.leeds.ac.uk/events is a great way to tell people about events that you're planning, including seminars, performances and shows. It's also an easy way for colleagues to find out what's happening on and around campus.

Accessed through either the corporate website or the staff intranet, the Events page gives a full overview of lots of exciting events that are happening across the University.

- visit www.leeds.ac.uk/event/new/ or the For Staff page www.leeds.ac.uk/forstaff/ – scroll down to Events, and click the 'Submit your event' tab
- enter the details and send it off for approval

- if possible, send an interesting image to illustrate your event to internalcomms@leeds.ac.uk

Aim to submit the details as soon as you have them finalised, so that your event will get more exposure. We can often tweet details at [@UniLeedsStaff](https://twitter.com/UniLeedsStaff)

Please note that only events submitted by members of the University or our partners will be accepted.

People

A new publication for the University's technicians

***Technically Speaking* is a new newsletter for technicians, written by technicians. It is a mouthpiece for the Technicians Network, giving voice to all technicians at the University.**

There are around 450 technicians across the University's faculties in a wide range of areas. The newsletter aims to promote technicians within the University, bringing their talent, ideas and issues to the attention of each other and also the wider University.



Mechanical engineering technician, Stephen Burgess

Editor Andy Connelly says: "Many of us feel isolated in our labs, offices and workshops. It is our hope that *Technically Speaking* will provide a platform where we can share ideas, worries and best practice. Our aim is to look at many of the roles that technicians take within the University and show what a wide range of skills and experiences they have."



The University's costume technician, Allana Marsh

The first issue of the newsletter contains a variety of articles, including a celebration of the success of an apprentice mechanical engineer technician and an interview with a costume technician. The editorial team is currently working with technicians to bring new content and ideas for future issues which will be published on the For Staff pages of the University's website goo.gl/mzOxrX

Speed Dating for Careers

Around 50 postdoctoral researchers and PhD students from the Faculty of Biological Sciences attended a special event designed to help them gain knowledge and advice about a plethora of potential career choices.



Dr Pip Garner (l) and Dr Hannah Kirton

'Speed Dating for Careers' gave attendees the opportunity to talk and network with a wide range of academics. Also in attendance were representatives from TeachFirst, University spinout companies such as Tissue Regenix, and contract research organisation Covance. Covance brought scientific writers and industrial researchers.

Dr Hannah Kirton (Biomedical Sciences) organised the event to help support the Faculty's Athena SWAN agenda. She says: "We chose a speed dating theme to encourage people to migrate and talk to different professionals about a variety of career choices. We also had a CV surgery to advise people on how they might tailor their CV to be most appropriate to their chosen career path."

"The feedback from the event was really positive, with people saying they found it very helpful and informative to be able to talk to professionals from such a variety of backgrounds. It's definitely something we'll be running again."

Changes to the academic promotions process

Changes to the academic promotions process have now been introduced, with new criteria building on feedback given by colleagues in promotions meetings and consultations.

They were developed by HR and UCU (University and College Union) to ensure that the promotions process is inclusive for all staff. Options in the criteria now reflect a more diverse range of contributions, showing our commitment to recognising and rewarding excellence in all areas of academic activity. The process is also designed to be less bureaucratic, with fewer, clearer criteria and less duplication of information. Guidance documents have been developed which, again, reflect colleagues' feedback on what would be helpful when preparing an application.

The existing and new processes will be run in parallel for a period of six months to give staff who have already started to prepare an application the choice of continuing with that process. New criteria for support and professional and managerial staff will be available soon.



Partnership

Quantum Imaging secures further investment

University spinout Quantum Imaging Ltd – the UK-based medical device company working to reduce A&E congestion by developing an imaging device to rapidly triage patients presenting with chest pain – has announced completion of a new £4.6m investment, with participation from all existing and new investors to drive product commercialisation.

The spinout saw additional investment from existing shareholders, IP Group and the University, as well as Quantum Imaging management, and a number of new investors. This will allow further development of Quantum Imaging's unique imaging technology.

Steve Parker, CEO of Quantum Imaging, says: "The timing and size of this investment is important to the company as it allows us to fully commit to an aggressive product and platform

development and clinical research strategy whilst building a high quality team and facilities."

Quantum Imaging was spun out in 2014 to commercialise imaging technology developed in our University's Quantum Information group. The company's first area of development is the rapid triage of patients presenting in the Emergency Department with chest pain.



Enterprise

Digital design to boost pharmaceutical industry

Leeds researchers are part of a project to transform the UK's pharmaceutical industry by introducing new digital design processes.

The £20.4m ADDoPT (Advanced Digital Design of Pharmaceutical Therapeutics) project is a major four-year collaboration between the government, industry and universities. It is expected to reduce the development time and cost of innovative medicines and improve the competitiveness of the UK's pharmaceuticals sector.

Leader of the Leeds team Professor Kevin Roberts, Brotherton Professor of Chemical Engineering, says: "The days of the blockbuster drug are numbered. Many medicines that are coming through are more targeted and we need a streamlined development process to get them to market. Instead of doing a lot of very expensive trial and error in the lab and in manufacturing design, ADDoPT will be developing the use of computer modelling and design tools to help plan the design and manufacturing process, from raw materials through formulation, manufacturing and quality testing. The idea is to identify and eliminate non-viable drugs as early as possible in the process and concentrate time and resources on the right things.

"This project brings together two of our strategic research areas – high value engineering and health – and we expect to have a major economic impact."

Partners include major pharmaceutical companies Pfizer, GlaxoSmithKline, AstraZeneca

and Bristol-Myers Squibb. Leading academic contributors are the University of Cambridge, the Centre for Innovative Manufacturing in Continuous Manufacturing and Crystallisation at the University of Strathclyde, the Cambridge Crystallographic Data Centre and the STFC Hartree Centre. The Leeds team will receive £4.5m funding.

The project is coordinated by Process Systems Enterprise Ltd, a supplier of advanced process modelling technology, and is part funded under the government's Advanced Manufacturing Supply Chain Initiative. It is supported by the Medicines Manufacturing Industry Partnership, jointly established by the Association of the British Pharmaceutical Industry and the BioIndustry Association to ensure UK competitiveness in medicines manufacturing. The process engineering firm Perceptive Engineering Ltd and the process design specialist Bristest Ltd will also play key roles in the project.



Campus

Investing in sport

Funding the development of a new outdoor closed-loop cycling track on the University's Bodington playing fields in north Leeds has been approved by the University's Council, and we are now seeking the necessary planning consents from Leeds City Council.

The development will include a 1.6km tarmac cycle track and refurbished Pavilion, which will be used as a base for British Triathlon's elite training centre. It will be funded in partnership with UK Sport and British Cycling who will contribute £1m towards the project, with the remaining £3.5m being funded by the University.

The new facilities will be maintained by the University and will be open for use by students, staff and the public. The project has the backing of the local council and plans are in place to consult further with the community in the coming months. It is anticipated that work will begin on site in April 2016 with completion expected in autumn 2016.

The announcement came shortly after The Edge hosted the North Queensland Cowboys. The Australian rugby league team trained in Leeds Sport's newly refurbished strength and conditioning room in preparation for their Dacia World Club Challenge. The existing space has been renovated to create a purpose-built, top-quality facility where strength and conditioning coaches can work with the Leeds Gryphons clubs and individual individual Sports Scholarship athletes to maximise their performance.



Members of the North Queensland Cowboys training in The Edge

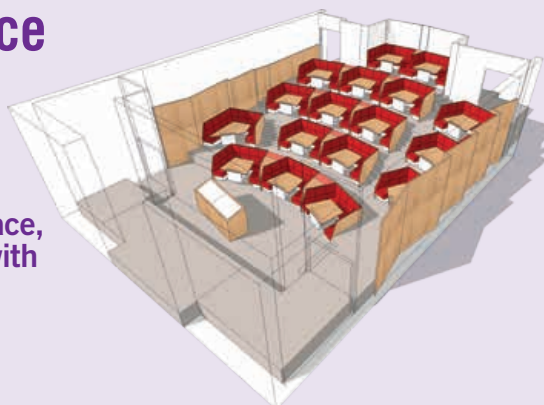


Innovative new design for central teaching space

Exciting plans are underway for a state-of-the-art £2.8m pilot programme to be delivered this summer that will redesign and refurbish our central teaching space, and we are currently consulting with all users to get their views.

The proposed lecture theatres will transform our current facilities by offering a mix of collaborative teaching and learning space, and will contribute to the successful delivery of the University's Digital Strategy for Student Education. The redesign will reflect best practice in furniture, equipment and use of digital technology, and enable student-centred teaching spaces to encourage more active learning approaches.

The three lecture theatres in the pilot are the Dental Lecture Theatre, Worsley Building, the Roger Stevens Lecture Theatre 8, and Mechanical Lecture Theatre B, Mechanical Engineering.



Professor Neil Morris, Director of Digital Learning, says: "This project will allow staff to design and deliver active, collaborative teaching sessions for their students. I am excited to see the innovative pedagogical approaches that we develop within these sector-leading learning spaces."

To take part in the consultation, please contact Liz Brittain at e.m.brittain@leeds.ac.uk and visit www.leeds.ac.uk/campusdevelopments for more details.

Green Impact submissions come to a close

The submission deadline for this year's Green Impact (GI) scheme is in April, and good progress is being made across the University, with an increase in the number of teams and more student volunteers helping teams than ever before.

There are some fascinating submissions for the Project Award. For example, Andy Connelly, from the Cohen Labs GI team, has been working to decrease the amount of plastic used in his laboratory. "Most of us in the Cohen laboratories are environmental scientists so we try to be environmentally responsible," says Andy. "We wanted to reduce the plastic waste stream, so are working with manufacturers and suppliers, and will educate and train lab users in sustainable behaviours. It's only the start of becoming a sustainable laboratory, but we feel the issue is too important to ignore."

The Educational Engagement GI team is working towards the Project Award and the Workbook Award. Paula, a team member, says: "We hope to develop our rather tired-looking courtyard in Blenheim Terrace into a sustainable environment for staff. We'll be growing food using planters made from recycled materials and educating colleagues about seasonality and conscious consumption."

Tim Knighton from the School of Healthcare GI team says: "I've found GI useful and interesting in raising my awareness and understanding of some of the things that we do already and some things that we could do. I've enjoyed the chance to get involved in things like the RSPB Bird Walk and working with students to approach different sustainability issues."

The submission deadline is Friday 22 April. To find out about making your workplace more sustainable, email Catherine Graves at c.a.graves@leeds.ac.uk

In the news

A study led by Dr Thomas Hughes (Leeds Institute of Biomedical and Clinical Sciences) finding that **breast cancer survivors are more susceptible to common infections** for nearly a year after chemotherapy featured in many media outlets, including the *Sun*, Mail Online, *Daily Press*, *International Business Times*, *Micro Finance Monitor*, *Science Codex*, *Medical Daily*, *Medical News Today* and Radio Aire.

Dr Klaus Witte (Leeds Institute of Cardiovascular and Metabolic Medicine) is quoted in Mail Online talking about the **effects of alcohol on the human body**. Dr Witte talked specifically about the effect of alcohol on the heart.

Remi Salisbury (Sociology) is quoted saying the **#OscarsSoWhite controversy** "was something that needed to happen" in the *Guardian*.

Professor Tim Benton (Biological Sciences) talked about the growing demand for cocoa creating a potential **"choc-apocalypse"** in the *Daily Star*.



Research by Dr Zia Wadud (Engineering) suggesting that **driverless cars** could increase the number of cars on the road, use more energy, and therefore have a negative impact on the environment garnered much media attention. It was referenced in the *Daily Mail*, *Metro*, *Discovery News*, and other outlets in the US.

Research by Professor Tim Benton (Biological Sciences) on reducing carbon footprints was referenced in the *Huffington Post*. He is quoted as saying that the biggest difference would be "not to abandon cars, but to **eat significantly less red meat**".

Dr Andrew Warnes (English) and Simon Jenkins (Alumni and Development) contributed to BBC Radio 4's *Food Programme* about **Leeds' growing food and drink scene**.



Dr Heather Ford (Media and Communication) described the **future of Wikipedia** as the website turns 15 years old in *The Conversation*.

LUU Union Affairs Officer, Toke Dahler, featured in the *Huffington Post* talking about the concept of employability and **problems with current attitudes towards employability**.

Research student Laura Connolly (Sociology and Social Policy) wrote about the **criminalisation of sex workers** being damaging in the *Independent*. She referenced Leeds research which showed that "those who voluntarily work in the sex industry are made more vulnerable to violence by the laws that criminalise commercial sex".

Dr Daryl Hibbard (Institute for Transport Studies) showed our Driving Simulator technology on BBC *Breakfast* and spoke about **drivers reaching 100mph on the motorway**.

Professor Rita de la Feria (Law) said making third parties liable means there's **no deterrent against committing tax fraud** in the *Financial Director*.

Dr James Tate (Institute for Transport Studies) appeared on Catalan news channel Televisió de Catalunya, talking about **cars polluting above their declared pollution levels**.

Professor Philip Conaghan (Leeds Institute of Rheumatic and Musculoskeletal Medicine) described a worrying lack of understanding about the **impact of muscle weakness on arthritic joints** on BBC Radio 4.



University Librarian Dr Stella Butler was interviewed on BBC *Look North* talking about our **collection of rare manuscripts** and books that recently went on public display for the first time. Dr Butler also featured on BBC News Online and BBC Radio Leeds.

Four reasons why **Leeds is the best city in the UK** for students, including nightlife, culture and transport links, featured in the *Independent*.



Correction

Apologies to Dr Graham Law, quoted in the Sleep Research @ Leeds article in Reporter 595, as the photograph used in the article was in fact Professor David Wall (Law). We are delighted to use the photo on the right, which is definitely Dr Law!



Honours

Dr Mark Westgarth (Art History and Museum Studies) has been appointed Chairman of the Leeds Art Fund. Mark is Director of the Centre for the Study of the Art and Antiques Market and Deputy Director of the Centre for Critical Studies in Museums, Galleries and Heritage, as well as the Director of Impact and Innovation for the School of Fine Art, History of Art and Cultural Studies at the University. His research interests include the history of the art market and the history of museums and galleries, and he has published widely on the history of the antiques trade.

Founded in 1912, the Leeds Art Fund is one of the oldest supporting 'friends' organisations for the visual arts in Great Britain.

Leeds Institute of Medical Education (LIME)

is the first medical institute to receive a Sanctuary Award for Health in the UK. The City of Sanctuary organisation aims to create a network of towns and cities which are proud to be places of safety for people seeking sanctuary within the UK and help them integrate into local communities. The Sanctuary Awards recognise all elements of good practice in the field of health and social care, and the award to Leeds recognises LIME's engagement with the local voluntary sector, including arranging community placements for medical students, students working with asylum-seeking and refugee women, and raising awareness of asylum issues.

The University is one of 10 institutions shortlisted for the Excellence with Impact (Ewl) competition run by the Biotechnology and Biological Sciences Research Council. Now in its fourth year, Ewl aims to recognise institutions that can develop and successfully deliver a vision for maximising impact, alongside a relevant institution-wide culture change. The results will be announced in May.

Fraser Macrae, a Research Technician and PhD student in the Leeds Institute of Cardiovascular and Metabolic Medicine, won Reflections of Research – a national photographic competition organised by the British Heart Foundation (BHF) – with his

The Bright Beginnings nursery which provides childcare for staff and students at the University has been accredited for offering 'outstanding' care and education. It was awarded level 3, the highest possible outcome of the National Day Nurseries Association (NDNA) e-Quality Counts scheme. e-Quality Counts is NDNA's flagship accreditation scheme, and the only quality improvement scheme specifically for nurseries. The nursery has also been certified as an inclusive setting, a place where children of all abilities learn together, by the disability charity Scope.

Dr Joe Saunders (Inter-Disciplinary Ethics Applied) has been awarded the 2015 Robert Papazian Annual Essay Prize on Themes from Ethics and Political Philosophy by the *International Journal of Philosophical Studies* for his essay 'Kant and the problem of recognition'.

Professor Paul Routledge (Geography) received the James Blaut Award from the Socialist and Critical Geography Specialty Group of the Association of American Geographers (AAG). The award recognises a scholar who has used a geographic and historical analysis of capitalism to explain current social injustices and inequalities, promoted activism against oppressive power relations both within and outside the academy, and bridged socialist theory and practice.

The Faculty of Engineering was recognised for its commitment to student employability with an award for the Most Improved Commitment to Employability at this year's National Undergraduate Employability Awards. The category celebrates the improved efforts and services provided by a university department, placement or careers service in helping students apply and maximise their work experience opportunities.

dynamic image of a blood clot, 'The Clot Thickens'. The competition honours the most illuminating and exciting images in research. Fraser was also invited to the BHF Annual Reception where he presented HRH Prince Philip with a print of his work.

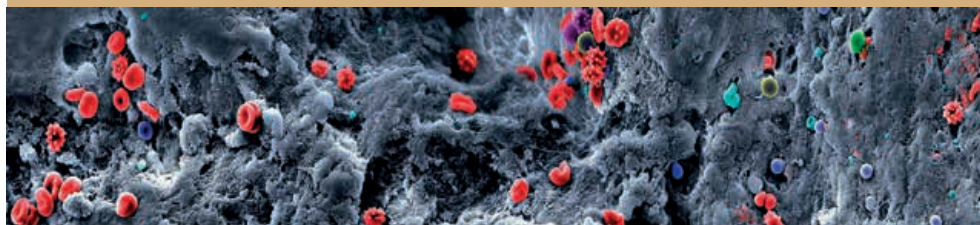


Professor Jaafar Elmirghani (Electronic and Electrical Engineering) is co-recipient of a 2016 Edison Award in the Collective Disruption category for his work with GreenTouch on Green Meter. The Edison Awards™ is an annual, global competition honouring excellence in new product and service development, marketing, human-centred design, and innovation. Winners represent 'game-changing' products, services, excellence and leadership in innovation around four criteria: Concept, Value, Delivery and Impact.

Professor Elmirghani is one of seven individuals to be recognised from GreenTouch, a consortium of leading information and communications technology industry, academic and non-governmental research experts dedicated to fundamentally transforming communications and data networks, including the internet, and significantly reducing the carbon footprint of ICT devices, platforms and networks. The goal of GreenTouch is to achieve a thousand-fold improvement from 2010 levels in the future energy efficiency of the internet and other networks that support communications, commerce and entertainment.

Professor Elmirghani says: "I'm delighted that my work and that of my colleagues in GreenTouch and in the EPSRC INTERNET Programme Grant has been recognised through this top international award. It is a testimony to the quality of the work, its pioneering nature and also its importance in the world scene."

Last year Professor Elmirghani was awarded the GreenTouch 1000X Award for best technical contribution to GreenTouch energy, and the Institute of Electrical and Electronics Engineers (IEEE) Outstanding Service Award for contributions to green communications.



News

Donors changing the future for Leeds students

“My scholarship is a symbol that someone believes in me,” says economics and maths student Naomi Maher, reflecting on her disrupted background and determination to succeed. “And if someone else believes in me, then I can believe in me too.”

Naomi spent most of her childhood moving between foster homes: “I didn’t want to be marred by the stereotypes of children in the care system being unlovable and unable to succeed.”

Naomi did well at school and earned a place at Leeds, where a scholarship has been crucial to her success. “It has been amazing. I could afford to buy books, join University societies and spend more of my time outside lectures studying and focusing on my degree without financial worries.”

Naomi is just one student to have benefited from the University’s fundraising campaign. In all, more than 15,000 gifts from alumni and other donors all around the world have taken the Making a World of Difference Campaign beyond its £60m goal.

These gifts are investing in research to tackle major global challenges and enabling students to develop their talents, whether in business, sport or the creative arts. More than 1,000 young people from less privileged backgrounds have been awarded scholarships, providing vital financial help.

Gifts to the Campaign are also allowing the University to strengthen its work in local schools and communities to encourage young people to aim high. After-school classes at learning centres in Harehills and Beeston are working with children from primary school upwards to raise the attainment of youngsters. Reach for Excellence helps 16- to 18-year-olds from schools across Yorkshire to stay on track with their studies and aim for a place at university. Further funding has allowed talented young people to develop business ideas, conduct fieldwork around the globe, and develop their talents in sport, leadership and the performing arts. Gifts are also supporting research into heart disease and cancer, and into major challenges such as sustainable agriculture and food security, while nurturing the researchers of the future.

Vice-Chancellor Sir Alan Langlands thanked donors for their support: “Our Campaign is making a crucial contribution to the University, its students and its impact on the world. We are deeply grateful for the support of all our donors, which will expand the intellectual horizons of our students, grow our research and develop our campus.”

The Campaign will now be extended for a further four years – with an increased target of £100m. “Further investment is crucial to achieving our ambitions,” he said. “In a globally competitive environment, we cannot rest if we are to continue to attract the best staff, outstanding students from all social backgrounds and make the greatest possible contribution to new knowledge and its application to real-world problems. This increased financial goal will allow us to invest in key areas of research such as cancer and robotics and provide inspirational opportunities for our students.”

Alongside financial support, the University will engage the support of volunteers, harnessing the knowledge and expertise of alumni and others worldwide to provide practical career advice and valuable mentoring for students.

Small ads

Professional services

COMPUTER PROBLEMS?

Ex-staff member offers prompt and efficient technical support, repair, and upgrade service for all types of computers, peripherals, and network devices. Same or next-day response.

Abdul Karim 07958 638 686
info@biztechleeds.co.uk

COSMETIC BREAST SURGERY

Breast Reduction, Augmentation and Gynaecomastia Surgery. Consultant Specialist Breast Surgeon: Leeds Nuffield Hospital.

Philip Turton
lisa.harris@nuffieldhealth.com
www.cosmeticbreastsurgeon.co.uk

Other

DIETARY STUDY VOLUNTEERS NEEDED

We will provide you with biscuits, pancakes and milkshake to consume each day for 12 weeks to investigate metabolic health. For more information visit www.food.leeds.ac.uk/pathway-27 (Ethical approval: MEEC 15-015)

Samantha Sutulic, food27@leeds.ac.uk

Holiday home to let

ISLAND HOUSE TO RENT

Beautiful house on Florida island minutes from the beach, sleeps 6 on Gulf coast.

Neil Howson, n.howson@leeds.ac.uk
www.gulfdream.me

House/flat/room to let

ROOM FOR RENT

Large ensuite room with additional private study and lounge. Leeds 16. Excellent transport links. Suit postgraduate or professional. £80/week including bills.

Elizabeth Watkins 0786 778 2508
elizabeth.watkins3@nhs.net

FLEXIBLE SHORT TERM LET

Quiet family house, just off campus, comprising bedroom, private bathroom and living area, shared kitchen. Ideal for visiting academics.

Sue Thomas 0770 348 9916, suelttoft@yahoo.co.uk

Small ads can be submitted online at smallads.leeds.ac.uk The charge is £7 for 10 words or part thereof (University members) or £10 (general public). The deadline for the next issue is 15 April at 12 noon. Advertisers are independent of the University. The University makes no warranty or representation as to (a) the accuracy of ads or (b) the quality of goods or services advertised. To the full extent allowed by the law the University excludes all liability. Contact the Reporter on 0113 343 6699 or the.reporter@leeds.ac.uk

Events

Suppliers Easter Fair 2016, Tuesday 22 March 10am-3pm, Sports Hall 1

The Suppliers Easter Fair is an annual event. It has been running at the University for the past 15 years and is one of the premier suppliers' exhibitions in the higher education sector.

All the suppliers from each department in the University are invited to exhibit and showcase their goods, and to make new and strengthen existing connections with University. This year over 60 external suppliers are also

expected to exhibit, including those from the Fairtrade Fair and Farmers' Market, so people can buy treats and gifts while they network.

All colleagues and postgraduate students are invited and there will be a chocolate prize for the first 100 people to arrive. Lunch and refreshments will be available and a raffle with some great prizes will take place.

For queries, please contact

suppliers@leeds.ac.uk



UNDERSTANDING THE SECRET LIFE OF MOLECULES

JOIN THE ASTBURY CONVERSATION

**Tuesday 12 April 3.00-7.00pm,
Parkinson Hall and Great Hall**

This event sets out to shine a light into a world that is hidden to most people: how molecules make life tick. It will showcase some of the University's powerful research strengths across disciplines and make the discoveries understandable and meaningful for all.

The Astbury Conversation is the first event of its kind in the University and the first of what will become a biennial fixture in the University's calendar. Over two days it will stage an academic symposium with international speakers, and will also feature 'The Secret Life of Molecules' – an exhibition with interactive displays – and a public lecture from a Nobel Laureate.

The exhibition will give the public an opportunity to see first-hand some of the science behind the molecules of life that we take for granted, and to hear how understanding of 'life in molecular detail' is helping to shape the future, from healthy ageing to disease intervention and even the creation of new biomaterials.

The exhibition will be followed by a lecture from Professor Michael Levitt, FRS, who was awarded the 2013 Nobel Prize in Chemistry for developing computer-based tools to better understand and predict chemical reactions. His work has important implications for many areas, including chemistry, physics, medicine, engineering and the biological sciences, and his lecture will describe his life experiences from boyhood to a Nobel Prize and beyond.

Admission is free but please reserve your place at www.astburyconversation.leeds.ac.uk

Contact Lucy Gray with queries on 0113 343 3086 or at l.v.gray@leeds.ac.uk

SHARED SPACE Evening

**Tuesday 22 March
5.30-8pm in the Workshop Theatre,
Studio One**

Colleagues from all disciplines are invited to make new connections in the University, the city, and with associated artists and researchers from across the UK at the second SHARED SPACE event at the University.

Presented with support of the Leeds Humanities Research Institute, the School of English, and the School of Performance and Cultural Industries, the event will include a series of 10-minute presentations, followed by opportunities for feedback and discussion. Presentations may be from University staff, postgraduate students, alumni, associated artists and organisations, local and regional practitioners. The organisers are keen to provide a platform for work-in-progress, that seeks to engage its audience and might be aiming for wider public engagement. Presentations could range from an artist-researcher collaboration, practice-based or participatory research that's rooted in arts and humanities, social sciences, sciences, medicine, politics, business, or law. It might be stand-up comedy, a script reading, a science or psychology experiment, dance, a mini-TED talk, a short audience-participatory workshop – all are welcome to come along and find out!

Book for the free event via Eventbrite at goo.gl/NyDvMW

On Your Marks

Shrink to fit: Using less, generating our own and buying smart – renewable energy and the challenges we face

29 April 11.45am-2pm, Great Hall

Guest speakers from the renewable sector and Head of Energy Supply and Risk at M&S, Gio Patellaro, explore how we can embrace renewable energy and overcome some of the challenges associated with change. The event will also feature expert insights from Professor Wändi Bruine de Bruin (Leeds University Business School), on understanding and informing consumer behaviour around energy and climate change, and Jens Wolf, Director of Regulation and Markets at Drax Power.



FAQs

Sannia Farooque

PhD student, School of Chemistry

Tell us about how you came to study at Leeds.

I had a slightly different journey into university than most. I completed secondary school education but when my mother fell ill, I had to help run the family business with my sister. I worked for four years before settling down and having child. When I knew I wanted to go back into education, I signed up for an Access to Higher Education science course at Leeds City College before securing a place to study chemistry here. I was fortunate in a way that I was already living in Leeds and so could benefit from the quality and versatility of research here. The generous scholarships were a bonus!

Why did you choose to study chemistry?

Chemistry is at the heart of modern science, so opens up doors to a vast number of career opportunities. Whether it's marketing or research, your options are broad. I also like the fact that chemistry enables you to ask questions and work to find answers to those questions.

Tell us about your current areas of research.

I am interested in natural product chemistry, probing the biochemical activities of extracts from plant origin with consumer use in mind. I am working on the purification of blackcurrant extracts at the moment, coming from food waste. I also previously secured a Research and Leadership Scholarship, which enabled



me to work on two research projects during the summer holidays. I worked with Professor Chris Rayner to investigate the biochemical activity of mulberry extracts.

You've been named as one of the 175 Faces of Chemistry by the Royal Society of Chemistry and been recognised as one of the University's 2016 Women of Achievement. What does this recognition mean to you?

On a personal level, it is a great honour for me and my family! More importantly, it sends out a strong message: hard work and perseverance always pay off, regardless of your background, gender or circumstances.

How do you make sure you keep a work-life balance?

I enjoy the flexibility of my work but there are good days and bad days. It is difficult at times, but I am sure every single parent faces certain challenges – you just have to look on the bright side of things.

What's your most frequently asked question?

"How do you do it?" My answer is always "Even I don't know." I believe there is a

strength that stems from being a mother. I embrace my life and take one day at a time.

What are your interests in your spare time?

I like to play my part in raising awareness and finances for charities that focus on supporting underprivileged children, those with autism and victims of domestic violence.

If you had to choose another subject to study, what would it be?

I don't think I would have chosen another subject. Chemistry has been my favourite since school, although I did enjoy mathematics as well!

Which four scientists would you choose to invite to lunch?

I don't know if we will be able to find a table for five. I would like to go for drinks with Professor Jane Clarke, Professor Michael Hardie, Dr Julie Fisher and Lorelli Wilson. They are all incredible scientists; I would love to pick their brains. Unfortunately, Dr Fisher is no longer with us. She was an amazing person and a fantastic lecturer here at the University. She often spoke to me about her children and vice versa.