

2016: A Year in Review

Welcome to our round-up of the year here at LivWiSE. We're planning ahead for 2017 so keep following us on Twitter and Facebook, and checking your inbox for news and updates.

- January

January was a bit quiet, but we did tweet 135 times which had 67,000 impressions!

- February



Physics held a **XMaS Science Gala** highlighting inspiring careers and exciting science which included a virtual tour of ATLAS at CERN! **Professor Frances Saunders** (President of the Institute of Physics) delivers the Fröhlich Lecture on applying research to the real world. **Lego Robots** celebrated [Space Science Week](#) at the World Museum.

[Weihong Ni](#) told us about bonus-malus systems for car insurance, [Liuying Li](#) told us about wind turbine controls, and [Hannah Whitby](#) told us about ocean biogeochemistry.

- March



LivWiSE and the **Virtual Engineering Centre (VEC)** gave our members a glimpse and taster into the futuristic world of 4D, interactive virtual engineering. From riding the UK's fastest human powered bike and driving a formula student car to flying unmanned aircraft to investigating human organs.

A film screening and discussion was held about the 1943 biographical film '**Madame Curie**' starring Greer Garson as part of International Women's Day. A new [Child health research institute](#) launches at Alder Hey in the Park.

The **Department of Mathematics** and **Institute of Financial and Actuarial Mathematics** held a guest lecture with **Colm Fitzpatrick** on the 'Herd-like Behaviour and the Psychology of market bubbles'. We welcomed **Professor Montserrat Guillen** to the **Science & Society** lecture on 'Evaluation of Risk: How much is too much?' which explored the concept of risk aversion and how insurance companies calculated policy processes based on risk evaluations.

- **April**

April was a bit quiet but we did send 94 Tweets which had 61,000 impressions, [Sophie Irwin](#) told us about autoimmune disease in young people.

- **May**

Members of the public got a chance to attend a Science and Technology Fair and a talk about the Plague as part of **Liverpool Light Night**. WiSTEM launches 'Through the glass ceiling' 6 week science club programme for year 10 pupils.

- **June**



Professor Whitehead becomes a Dame at an investiture ceremony for the [New Year Honours List](#) for her outstanding contribution to society's understanding of health inequalities. The New '[Sensor City](#)' is officially launched. 13 female pupils from **Fazakerley High School** attend a computing experience day. **Professor Sarah Coupland** is [elected the Vice President](#) of the Association for Research in Vision and Ophthalmology (ARVO).

'**Body Donors**', the Channel Five series featuring staff and students at the University of Liverpool's **Human Anatomy Resource Centre (HARC)** is [nominated for two awards](#) at the **Royal Television Society Awards**, and wins [Best Factual Series](#).

- **July**



The University welcomed acclaimed historian and academic **Prof Mary Beard** who spoke about [‘Fame, academe and gender’](#).

Professor Dame Carol Robinson, Professor of Chemistry at the University of Oxford is recognised for her pioneering use of mass spectrometry for her research into the 3D structure of proteins; and **Professor Mary Beard**, one of Britain’s best-known classicists, receive their Honorary Degrees from the University of Liverpool.

- **August**



Professor of Ophthalmic Bioengineering **Rachel Williams** received an [Engineering and Physical Science Research Council \(EPSRC\) Award](#) for her work in the treatment of an eye disease called keratoconus. 35 children learn about bones, eyes, particles, DNA, muscles and blood as part of the Institute of Ageing & Chronic Diseases **‘WOW Science’ event** with children’s charity KIND. Year 9 girls from local schools [learn about engineering](#) as part of the **Dragonfly / Headstart events**.

- **September**



LivWiSE **welcomed all the new students** to the University and distributed some lovely new purple lanyards. **Yasmin Tredell** broke the [human powered land speed record](#) reaching 71.05 mph. The School of Engineering ULVTeam designed and built ARION2. **Rosalind Stewart** received a [national award](#) for her research in ophthalmology from The Royal College of Ophthalmologists (RCOphth) and Fight for Sight.

- **October**



October we welcomed **Laurie Winkless** who gave a great talk about '[Science and the City: The Mechanics Behind the Metropolis](#)'. **Dr Ann Slater** (Chemistry) is shortlisted for a Women of the Future award in the scientist category. The **Institute of Infection & Global Health**, and the **Institute of Learning & Teaching** found out they have achieved an Athena SWAN Silver and Bronze award respectively.

Liverpool Council announces a [major expansion of the Knowledge Quarter](#) of research, education, health and science-related institutions and businesses. Adjacent to the University it will include a new northern base for the Royal College of Physicians, and potentially 10,000 new jobs.

The Family Science Discovery Day at Ness Gardens attracted over 300 visitors to explore and experiment with hands on science activities as part of Earth Science Week.

• November

November saw **250+ brownies, cubs and beavers** from Cheshire and Merseyside descend on the Central Teaching Hub for the first [Science Jamboree](#) to earn their badges and learn about biology, chemistry, physics, archaeology, engineering and life sciences.



The [Materials Innovation Factory](#) announces the appointment of **Dr Samantha Chong**, **Dr Esther Garcia Tunon Blanca**, **Dr Lucy Clark** and **Dr Anna Slater** will be joining the academic programme team.

A [new exhibition](#) opened at FACT Liverpool exploring the ever-changing limits of science through art (open to 5th Feb 2017);

Department of Chemistry awarded Regius Professorship - In November 2016, the Department of Chemistry was presented with a Royal Warrant from Her Majesty the Queen, officially giving the University of Liverpool the title of the Regius Professor of Chemistry. This is a rare and prestigious award given by Her Majesty the Queen to recognise exceptionally high quality research at an institution. The University of Liverpool was one of only two Chemistry departments to receive the honour to mark Her Majesty's 90th Birthday.

• December



For the [Annual Christmas Lecture](#) we welcomed **Prof Helen Aspinall** 'Ding-Dong Merrily on High' Ringing the Changes the Scientific Way'; **Dr Linda D'Amore** 'We never walk alone: the invisible world of microbiomes'; **Dr Jo Nettleton** 'Do Reindeer who live near nuclear plants glow in the dark?'; **Prof Claire Hall** 'The sky's the limit: Civil Engineering from the Mersey to outer space'; **Pippa Spencer** 'Avoiding turkeys! Rolls Royce jet engine testing'; and **Prof Liz Sheffield** 'Who wants to find Nemo or Dory?'.

The **Athena SWAN project teams** from the Faculty of Health & Life Sciences won the '**Outstanding Contribution**' award at the University Staff awards for their work on promoting and supporting the careers of women in health, medicine and life sciences.

Professor Jane Hurst is awarded a [prestigious animal behaviour research medal](#) in recognition of her outstanding contribution to the understanding and awareness of animal behaviour.

The University's [Central Teaching Laboratory](#), which includes **Dr Elisabeth Rushworth**, **Dr Helen Vaughan** and **Dr Catherine Cropper**, is shortlisted for a Higher Education Academy's (HEA) Collaborative Awards for Teaching Excellence (CATE).

And that's a wrap!!

Coming up on 2017 ...

- Event: [XMaS Science Gala](#), 10th January
- Lecture: [Entering the DNA Information Age](#), 24th January
- Lecture: [Making Antimatter Count](#), 1st February
- [Herdman Symposium](#), 25th February
- International Women's Day, 8th March
- Lecture: [Studying biology at cryogenic temperatures: the CryoEM revolution in structural biology](#), 14th March
- [Liverpool Spring Careers Fair](#), 22nd March
- Lecture: [Liverpool in Malawi: Improving health care](#), 9th May
- National Women in Engineering Day, 23rd June
- [The Big Bang Fair North West](#), 4th July

And don't forget, LivWiSE will be organising a number of events from January to June so keep a look out for them

JOBS BULLETIN:

Lots of job opportunities currently being advertised including posts in Animal Welfare, Geomechanics, Genomics, Oncology, Civil Engineering ... [FULL DETAILS](#).