Welcome to the April/May 2016 LivWiSE Newsletter. You will find our usual round up of news, events and opportunities. Remember if you would no longer like to be on our mailing list, or you would like to contribute to the LivWiSE newsletter/Facebook/Twitter then please get in touch at livwise@liv.ac.uk.

- Science News Roundup
- Women in STEMM News
- Upcoming Events
- Job vacancies

Science News Roundup

- Can positive memories help treat mental health problems?
- Protein plays key role in spread of pancreatic cancer
- New study examines the effect of ecstasy on the brain
- New model predicts climate change risk for mammals
- Genetic diversity helps to limit infectious disease
- World Autism Awareness: Can reading fiction help autism disorders?
New insight into interaction of volcanic ash with jet engines

Illuminating the inner ‘machines’ that give bacteria an energy boost

Scientists explain evolution of largest dinosaurs

How much sugar is in your child’s fruit drink?

New study reviews methods to induce labour on effectiveness and cost

Major funding for Zika health protection research

£5M European funding to support development of Liverpool’s ‘Sensor City’

University supports collaboration between CERN and FACT

WATCH: Scientists get up close and personal to an active volcano

Promising new breast cancer drugs undergo clinical trials

New insight into construction of bacterial microcompartments

Child health research institute launches at Alder Hey in the Park
Becoming an Expert: Sophie Irwin on autoimmune disease in young people

“I have always been fascinated by healthy and disease. My primary background is in biochemistry, as I have been drawn to how the body works on a cellular scale. I have always had a particular interest in how cells undergo programmed cell death, also known as apoptosis.”

Read full article here.

Researchers present posters at SET for Britain

Early career researchers from the Faculty of Science and Engineering were part of a select group chosen to present their research at the SET for Britain event which took place in the House of Commons.

Read full article here.

University researcher shares her story on parents, carers and scientists

Dr Ainhoa Mielgo, a Wellcome Trust and Royal Society funded fellow, is featured in a new publication ‘Parent Carer Scientist’ by the Royal Society, focusing on the balances of family life and being a researcher.

Download the booklet here.

Becoming an Expert: Sarah Allen on doctor-patient communication

“Before starting my PhD I gained a Masters in Health Psychology while volunteering at a hospice in my home town. Through this experience I gained an interest in cancer care and the experiences of cancer patients.”

Read the full article here.
Postcard: Alice Trevail in Antarctica

“Myself and one other seabird researcher, Sebastien Descamps from the Norwegian Polar Institute, were based at the Tor ornithological research station at Svarthamaren Mountain in Antarctica. Svarthamaren is located on a string of mountains, from which there is nothing other than snow and ice in both directions until you reach the Southern Ocean or the South Pole.”

Read full article here.

Becoming an Expert: Cassandra Raby on the Tsaobis Baboon Project

“Baboons are an ideal species to study disease because primates share some of the same parasites as humans. The habituated baboons on the Tsaobis Baboon Project allow researchers to follow them without disruption to their everyday lives, and because of this we can record their natural behaviours and social interactions.”

Read full article here.

Becoming an Expert: Joanna Clarke on assessing drug-induced liver injury

“As pharmacologists, we are particularly interested in the liver because it is primarily involved in processing all drugs and is therefore incredibly susceptible to injury; in fact more than 10% of all prescription medicines have been associated with liver injury in some way.”

Read full article here.

Back to Contents
Upcoming Events

“Engineering Politics” lecture with Chi Onwurah MP

Chi Onwurah MP has been passionate about inclusivity throughout her career and will be talking about her work in Parliament, women and STEM subjects, her personal experiences in the engineering sector and her own perspectives on women and leadership. This is a LJMU Women in STEM Lecture series.

- Friday 29th April, 10:30am
- Full details and booking HERE

SciBar Liverpool - ‘Grow your own House’

- Tues 3 May, 7.30pm onwards, Ship and Mitre Pub
- Full details here

Liverpool Light Night - University of Liverpool Events

Friday 13th May

- Science and Technology Fair, 5-9pm, Guild of Students
  Full details HERE
- Plague Tales – pus, pits and powders! 5-10pm, Victoria Gallery & Museum,
  Full details HERE
- Meroë – Africa’s Forgotten Empire, 5-9pm, Garstang Museum of Archaeology,
  Full details HERE

Changing profession: Evolving work and the future of engineering education

The Digital revolution is driving the most profound change ever to engineering profession with software performing complex manipulations which until recently represented the day job for most structural engineers. As this profession enters a new and creative era, education must change quickly if it is to supply appropriately educated graduates.

- Tuesday, 17 May 2016 from 5:30pm - 6:30pm
- Full details and booking HERE

Binary Festival

A lively two-day gathering, celebrating and connecting communities of innovators, inventors, leaders, makers and creators of our future.

- 24th and 25th May, Baltic Triangle
Physics Innovate 2016

On the 15th of June at the Exhibition Centre Liverpool the Physics Department will bring together academics, large corporations, public organisations and SMEs, to show how Physics impacts on the energy, security, environment and healthcare sectors. This event is part of the International Festival of Business 2016.

- 15th June, 9:30am-3:30pm
- Full details and booking HERE

Liverpool Makefest 2016

Liverpool MakeFest, the north-west's biggest one day, FREE, family friendly festival celebrating all things 'makey' is back! It's open to all ages and with over a 100 stalls showcasing technology, creations, inventions and gadgets as well as hands-on activities, workshops and demonstrations including, coding, hacking and robotics, it's a place to become inspired.

- Saturday 25th June, 9am-6pm
- Full details HERE

The Ethical Roboticist

Like any transformative technology, intelligent robotics has the potential for huge benefit, but is not without ethical or societal risk. In this lecture I will explore two questions: the ethical use of robots and whether intelligent robots themselves could or should be ethical.

- Monday 27th June, 4:30pm, Victoria Gallery & Museum
- Full details and booking HERE

Targeting a cure for paralysis

Understanding the recovery of the nervous system is a major challenge. Initial behavioral deficits resulting from injuries in the central nervous system (such as traffic accident injuries) are frequently followed by spontaneous recovery of function. Professor Yamashita will describe his latest research findings which focus on molecular mechanism of neuronal rewiring regulation under neuronal injuries and neurodegenerative disorders.

- 5th July, 5:30-6:30pm, Victoria Gallery & Museum
- Full details and booking HERE

Daresbury Open Week - Public Day

Daresbury Laboratory will open its doors for children and adults of all ages to explore some of the World’s most spectacular and powerful science experiments.

- Saturday 9th July, 9am-5pm
- Full details HERE
There are a number of career opportunities currently being advertised at the University of Liverpool. A list of examples is below, for full details please visit the website.

**PhD Studentships**
- Application of mobile EEG to the study of product perception (Psychological Sciences)
- Smart materials (Chemistry)
- Understanding the mobility behaviour of radionuclides in plasma virification of ILW Surrogate (Electrical Engineering)
- Improving Productivity in Process Industries (Electrical Engineering)
- Materials -Chemistry- porous polymers from inorganic waste (Chemistry)
- Redox relays as mediators of adaptations to contractile activity in skeletal muscle that are attenuated during ageing (Ageing & Chronic Disease)
- Advanced Optical Diagnostics for Accelerators (Physics)

[http://www.liv.ac.uk/working/jobvacancies/currentvacancies/studentships/](http://www.liv.ac.uk/working/jobvacancies/currentvacancies/studentships/)

**Postdoctoral Researchers**
Various posts in Chemistry, Physics, Translational Medicine, Geography & Planning, Infection & Global Health, Integrative Biology, Electrical Engineering, and Ageing & Chronic Disease:

[http://www.liv.ac.uk/working/jobvacancies/currentvacancies/research/](http://www.liv.ac.uk/working/jobvacancies/currentvacancies/research/)

**Academics**
- Senior Lecturer/Reader/Research Director (Doctorate in Clinical Psychology)
- Lecturer/Senior Lecturer in Small Animal Diagnostic Imaging
- Lecturer/Senior Lecturer in Small Animal Oncology
- Resident in Veterinary Anaesthesia

[http://www.liv.ac.uk/working/jobvacancies/currentvacancies/academic/](http://www.liv.ac.uk/working/jobvacancies/currentvacancies/academic/)
Professors and Heads of Departments

- Professor and Head of the Department of **Physics**
- Professor and Head of the Department of **Cellular and Molecular Physiology**

http://www.liv.ac.uk/working/jobvacancies/currentvacancies/professorial/

**Back to Contents**