Welcome to the February 2015 LivWiSE Newsletter. 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**
- **International Women’s Day 2015 events**
- **Calendar of events**
- **Short Courses**
- **Job vacancies**

### Science News Roundup

**Olympic cyclist to pilot world’s fastest bike attempt**

**The Liverpool View: Our unfinished business with the universe**

**University ranked 5th in Global Health Research Table**

**Cancer cell ‘memory’ of oxygen deprivation explains tumour spread**

**Using a single molecule to create a new magnetic field sensor**

**Structure control unlocks magnetisation and polarisation simultaneously**

**Study shows how Ebola becomes lethal as it spreads**

**Researchers to monitor fracking in UK**

**New insight into Stone Age tool-making and language evolution**
International Women’s Day programme of Events

International Women’s Day 2015 takes place on Sunday 8th March. To mark this occasion the University has organised a series of events:

Quotas: the only way, or no way? Gender imbalance and equality vs quality

In the UK, 22% of professors are women, 10-15% of senior roles in the private sector are filled by women and 23% of MPs are women. How can this be changed? Does it need to be changed? In some countries, mandatory quotas for management boards have proved effective in addressing gender imbalance, but does this mean losing out on quality to improve equality?

To mark International Women’s Day 2015, the University of Liverpool is hosting a debate with a panel of first-class speakers who will consider these questions.

**Speaker:**
- Professor Janet Beer, Vice-Chancellor, University of Liverpool
- David Ruebain, Chief Executive of the Equality Challenge Unit
- Professor Fiona Beveridge, Executive Pro-Vice-Chancellor, Faculty of Humanities and Social Sciences
- Emma Sims, Vice-President of the Liverpool Guild of Students 2014-15
- Dr Lauren Walker, Early Career Researcher, University of Liverpool
Made In Dagenham film screening

Dr Stephanie Petrie from the School of Law and Social Justice will introduce a screening of Made in Dagenham.

This film tells the story of the sewing machinists’ strike at the Ford Dagenham plant in 1968, where female workers walked out in protest against sexual discrimination, demanding equal pay. The strike was successful and led to the Equal Pay Act 1970.

Speaker: Dr Stephanie Petrie
Date: Wednesday 4th March 2015
Time: 6:00pm
Location: The Leggate Theatre, Victoria Gallery & Museum, University of Liverpool (Building 421 on the Campus Map)
Accessibility: DisabledGo or contact 0151 794 2650
Book Tickets: http://www.liv.ac.uk/events/international-womens-day/

FemJam student conference

FemJam is a student feminist conference filled with workshops and talks from prominent feminists. We welcome people of all genders, whether or not you identify as a feminist, to engage in exciting discussion with the aim to have fun and learn some cool stuff. Expect crafts, cake and film screenings as well as the chance to meet and talk with like-minded people in a laid back environment.

Speaker: Various
Date: Saturday 7th March
Time: 10:00am – 5:00pm
Location: Liverpool Guild of Students (Building 501 on the Campus Map)
Accessibility: DisabledGo or contact organiser when booking

Women in Leadership – Ten Things I Have Learnt* by Harriet Minter

*PLEASE NOTE: The title, topic and details of this event are still to be finalised.

The Institute of Infection and Global Health would like to invite you to a guest lecture by Harriet Minter, the editor of the Guardian’s Women in Leadership section.
### Speaker:
Harriet Minter

### Date:
Tuesday March 10th

### Time:
5:30pm – 7:00pm

### Location:
The Leggate Theatre, Victoria Gallery & Museum, University of Liverpool (Building 421 on the Campus [Map](#))

### Accessibility:
[DisabledGo](#) or contact organiser when booking

### All other Events

#### Women in Science: Progressing From Student to Professor Seminar

The School of Physical Sciences would like to invite you to attend the upcoming seminar focused on career development for students. The seminar will showcase some of the leading female researchers from the School of Physical Sciences. The talks aim to highlight the journey taken by each academic in order to achieve their goals and hopefully give some insight into the challenges that they faced.

The talks will then be followed by a ‘Speed Networking’ session which will allow students to speak informally to other academics from across the School of Physical Sciences about their career progression.

This will be an ideal event for undergraduate and postgraduate students who are thinking about their future. Be it stay in academia, move into industry or those that simply haven’t even thought about life beyond university until now. It’s never too late or too early to start thinking about your future and a great way to cure the post exam hangover.

#### Speaker:
- Dr Rachel Bearon (Mathematical Sciences)
- Prof Mary Rees (Mathematical Sciences)
- Prof Rasmita Raval (Chemistry)

#### Date:
Wednesday 11th February

#### Time:
2:30pm – 4:30pm

#### Location:
Central Teaching Hub, Ground Floor, CTL Flex Room (Building 802 on the Campus [Map](#))

#### Accessibility:
[DisabledGo](#) or contact organiser when booking

#### Book Tickets:
[http://tinyurl.com/mro66cl](http://tinyurl.com/mro66cl)

#### Liverpool Careers Fair

This is an unmissable opportunity for new, and soon to be, graduates to meet face to face with recruiters, get advice from careers advisors, explore your options for further study and find out about training opportunities.

The University of Liverpool will have a stand at the fair where you can discover the full range of exciting postgraduate study opportunities starting in September 2015. We'd love to see you so please come along and visit us!
Postgraduate Open Day

Whether you want to progress your career, pursue your interests or move in to research and academia, we can help you to get there! Join us to discover the exciting range of professional, creative and industry focused postgraduate taught and research courses starting in September 2015.

Date: 18th March  
Time: 4:00-6:00pm  
Location: Mountford Hall, Liverpool Guild of Students (Building 501 on the Campus Map)  
Accessibility: DisabledGo or contact organiser when booking  
Book Tickets: http://www.liv.ac.uk/study/postgraduate/open-days-and-visits/

LivWiSE Guest Lecture: Dr. Maggie Aderin-Pocock MBE

This is an early bird notice that the next LivWiSE Lecture will be delivered by Dr. Maggie Aderin-Pocock MBE, one of the presenters of the BBC’s longest running TV programme, The Sky at Night.

Dr Maggie Aderin-Pocock studied at Imperial College where she obtained her degree in Physics and her PhD in Mechanical Engineering. Since then she has spent her career to date making novel, bespoke instrumentation ranging from hand held land mine detectors to an optical subsystems for the James Webb Space Telescope.

Date: Thursday 30th April 2015  
Time: 5.30pm – 7pm  
Location: University of Liverpool. Full details to be announced shortly  
Book Tickets: All queries to livwise@liv.ac.uk

For more upcoming events, visit the University Events Website:  
http://www.liv.ac.uk/events/index.php

For campus maps and travelling / car parking information please visit:  
http://www.liv.ac.uk/maps/
The Continuing Education department run a number of short course and evening classes in science and IT. These classes are open to anyone, however a fee does apply (please see website for details).

The following courses are due to begin from February – April 2015:

<table>
<thead>
<tr>
<th>Course</th>
<th>Dates</th>
<th>Book Tickets</th>
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<tbody>
<tr>
<td>An Introduction to Clinical Psychology</td>
<td>23rd February 2015 – 23rd March 2015</td>
<td><img src="BookTickets.png" alt="Book Tickets" /></td>
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<tr>
<td>100 years of General Relativity: The Brilliance of Albert Einstein</td>
<td>28th April 2015 – 26th May 2015</td>
<td><img src="BookTickets.png" alt="Book Tickets" /></td>
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<tr>
<td>SPSS for intermediate users</td>
<td>4th March 2015 – 23rd March 2015</td>
<td><img src="BookTickets.png" alt="Book Tickets" /></td>
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<tr>
<td>Introduction to Statistics using SPSS</td>
<td>29th April 2015 – 20th May 2015</td>
<td><img src="BookTickets.png" alt="Book Tickets" /></td>
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<tr>
<td>Design your Website</td>
<td>30th April 2015 – 28th May 2015</td>
<td><img src="BookTickets.png" alt="Book Tickets" /></td>
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In partnership with FutureLearn, the University runs a number of Free online short courses called MOOC’s. Upcoming courses are listed below:

<table>
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<tr>
<th>Course</th>
<th>Dates</th>
<th>Join now - starts 23 Mar</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Impact of Nursing</td>
<td>From 23rd March – for 4 Weeks</td>
<td><img src="Joinnow.png" alt="Join now - starts 23 Mar" /></td>
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PhD Studentships

Are you looking for the next step in your career? Looking to study for a PhD? The following studentship positions are currently being advertised:

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

Health & Life Sciences

- Role of Endosymbiotic bacteria in vectors and Schmallenberg and Bluetongue viruses. DEADLINE: 28th February.
- The impact of anthelmintic treatments on productivity of adult dairy cattle. DEADLINE: 28th February.
- Horserace Betting Levy Board Senior Equine Clinical Scholarship. DEADLINE: 31st March.

Science and Engineering

- New design features in lightweight and low-cost inverted CdTe solar cells. DEADLINE: 31st July.
- Optimisation of transparent conducting oxides for photovoltaics. DEADLINE: 31st July.
- Related to ‘Synthesis and structural characterization of new extended inorganic functional materials’. DEADLINE: 30th June.

Researcher / Post Doc positions

Are you looking for an interesting research post? A number of positons are currently being advertised:

http://www.liv.ac.uk/working/jobvacancies/currentvacancies/research/
Health & Life Sciences

- Postdoctoral Research Associate (Computer Scientist) in the ‘development and maintenance of a suite of programmes and databases in a data repository’. DEADLINE: 6th March
- Postdoctoral Research Associate in ‘the development of “state-of-the-art” statistical methodology for the analysis of the next generation of genome-wide association and re-sequencing studies’. DEADLINE: 5th March.
- Research Associate to support ‘Promoting children’s language development through family-based shared reading’ project. DEADLINE 13th February.

Science and Engineering

- Postdoctoral Research Associate on a EPSRC funded project titled “Combined Heat & Photovoltaic (CHPV)”. DEADLINE: 4th March
- Postdoctoral Research Associate in ‘the development of new materials and simultaneously evaluating their action using state-of-the-art materials chemistry, high throughput nanoparticle fabrication, colloid science and pharmacological testing’. DEADLINE: 13th February
- NMR Spectroscopist/Analytical Research Specialist. Deadline 20th February

For more positions please visit the [website](http://www.liv.ac.uk/working/jobvacancies/currentvacancies/academic/).

Academic positions

A number of Academic (Lecturer, Senior Lecturer, Professor etc) posts are currently available:

- Lecturer in Aerospace Engineering Grade 8. DEADLINE: 10th February
- Internship in Small Animal Studies (x4). DEADLINE: 19th February
- Postgraduate Co-ordinator of CERTAVP in Small Animal Practice. DEADLINE: 2nd March

Remember you can follow us on Twitter and Facebook where we post daily news, updates, event information and retweets/posts.