



Chemistry Update

Newsletter 259, 20th March 2015

Inside this Issue

York PhD Student Wins a Bronze Medal for Chemistry at the SET for Britain in	2-3
Bruce Group News	3
News from Departmental Committees	4
O'Brien Group News	
Barton Lecture in Creativity in Organic Synthesis	5
Robin Perutz News	
Chemistry Staff and Postgraduate 6-a-side Football - PLAYERS WANTED	
Chemistry Block Effers Win at The Professional@YorkOscars	6-7
BBEE Workshop for Early-Stage Researchers	8
Bruker Poster Competition	9
GreenSTEMS' Mini-	10-11
CIEC Research Data Shows Industry Visits Improve Children's Perceptions of	12-13
Network Connections in	14
Charity Bake Sale for Marie	15
New Starters	
Chemistry Comes to Dance	16
Organic Plenary Session	17
Research Data Management	

Calendar of Events

Salters' Festival of Chemistry

Date: Thursday 26 March

Time: 10am—3pm

Location: A & B Block

Inorganic Biochemistry Discussion Group Easter Meeting 2015

Date: Thursday 9 April

Time: 12pm—2pm

Location: Dianna Bowles Lecture Theatre, Biology

RSC award lectures including Amy Rosenzweig, Erwin Reisner and Ged Parkin

[Register for free](#)

Organic Seminar

Date: Wednesday 15 April

Time: 2pm—5pm

Location: A101

Green Chemistry Seminar

Speaker: Prof. Chao-Jun Li

Title: Exploration of New Chemical Reactivities for Synthetic Efficiency

Date: Friday 17 April

Time: 1pm—2pm

Location: F106

Green Chemistry Seminar

Speaker: Prof. Peter Seidl

Title: Chemicals from renewable raw materials: opportunities and challenges

Date: Friday 24 April

Time: 10.30am—12pm

Location: F106

Organic Seminar

Date: Wednesday 29 April

Time: 2pm—5pm

Location: A122

Building Sustainable Solvent Solutions for Industry

Date: Thursday 30 April

Time: 9.30am—5pm

Location: IEF, Green Chemistry Centre, F Block

Date of Next Issue:
16th April 2015



York PhD Student Wins a Bronze Medal for Chemistry at the SET for Britain Poster Competition in Westminster

Ryan Gorman, a final year chemistry PhD student from Professor Richard Taylor's research group, was awarded the medal for his research into making drug synthesis affordable and more environmentally-friendly by developing novel copper catalysed procedures. Alongside the medal, Ryan will receive a prize of £1,000.

Ryan is working on a grant from the EU Innovative Medicines Initiative (IMI) CHEM21 programme. CHEM21 is Europe's largest public-private partnership dedicated to the development of manufacturing sustainable pharmaceuticals; it consists of an EU-wide network of 9 research institutions, 6 SMEs and 6 major pharmaceutical (EFPIA) partners across 8 European countries. The aim of CHEM21 is to develop a broad based portfolio of sustainable technologies for green chemical intermediate manufacture aimed at the pharmaceutical industry.

The *SET for Britain* awards celebrate young researchers who are working on science that may help medicine in the future. Gold, silver, and bronze winners were selected from 30 finalists shortlisted from hundreds of entries for the annual competition. Students presented posters summarising their work in the chemical sciences to MPs and a jury of experts in the field.

Ryan, aged 25 from Leeds, said: "I am overwhelmed. I was honoured just to be selected, never mind winning a prize. There were so many fantastic posters and there is so much great research.

"Entering the competition, I learnt a lot about presenting to people from different backgrounds. It's a good challenge to try to explain your chemistry to people who aren't in the field. You can get so stuck in your ways when you're just talking to other chemists so it's great to talk about the bigger picture."

Professor Helen Fielding, from the Royal Society of Chemistry, said: "As a member of the chemistry judging panel, it has been inspirational to see so many excellent posters from the finalists. Chemistry is crucial to society, playing an important role in energy, health, food, and tackling climate change.

"Inspiring young people into science is also crucial for the UK's economic growth and job creation. We hope that many more talented scientists – like these finalists – have the opportunity to contribute to society. I'm thrilled to see such excellent and inspiring science going to Parliament."

Sir Hugh Bailey, MP of York, said: "We are extremely lucky in York to have talented people like

Ryan. He was one of several PhD students chosen to exhibit their work in the House of Commons earlier this month. I was very pleased to hear he had been awarded the bronze medal. His research is part of an important project developing the way medicines are produced which will benefit us all, both in terms of cost, efficiency and the environment”

Ryan was interviewed by BBC radio York on the ‘Teatime with Elly Fiorentini’ show on Wednesday 11th March at 16:40 which can be found at <http://www.bbc.co.uk/programmes/p02k6nkh#auto>



L-R in the image are: Professor Helen Fielding (Royal Society of Chemistry), Ryan Gorman (University of York), James Perham-Marchant (award sponsors, John Wiley and Sons), Stephen Benn (Parliamentary & Scientific Committee), Andrew Miller MP (Chair, Parliamentary & Scientific Committee).

Bruce Group News

The Bruce group welcomes Maria Jesus Pastor Alcañiz, who is visiting for three months from Complutense University in Madrid, Spain

Suggestion Box



Reminder: there is a Suggestion Box located next to the pigeon holes in the foyer of A Block and one outside Room K167 for YSBL staff. Suggestions from staff are most welcome. All suggestions are discussed at the departmental communications meeting.

News from Departmental Committees

Since the last update, DMT meetings have been held on 26/11/14 and 7/1/15 (and on 4th March 2015, although these minutes have yet to be approved). The minutes for these meetings, as well as the Terms of Reference for DMT are on the web:

<http://www.york.ac.uk/chemistry/internal/staffinfo/committees/dmt/>

The Academic Group Leaders Role has also been updated and this can be found at:

<http://www.york.ac.uk/chemistry/internal/staffinfo/committees/>

Much of the time was spent discussing budgets for forthcoming years (our MTP was submitted for approval on 13th March). Other substantive items included a discussion of our Committee Observation policy (now circulated), short-term manpower issue in the mechanical workshop (advertisement placed), an updated remit for the Communications Group, the new Biovale initiative, and a new 20% fte appointment in WACL (details to be circulated shortly).

At the March meeting a discussion was held about the prioritisation of large equipment upgrades for the Department. Upgrades for the laser group, a replacement ESR, and an upgrade for the 500MHz NMR were all discussed and quotations are being sought. It is hoped that the budget in the current year will allow some, or all, of these purchases to be made.

Colleagues should feel free to suggest agenda items for DMT via the academic representatives or via Helen (admin and research support staff) or Simon (technical staff).

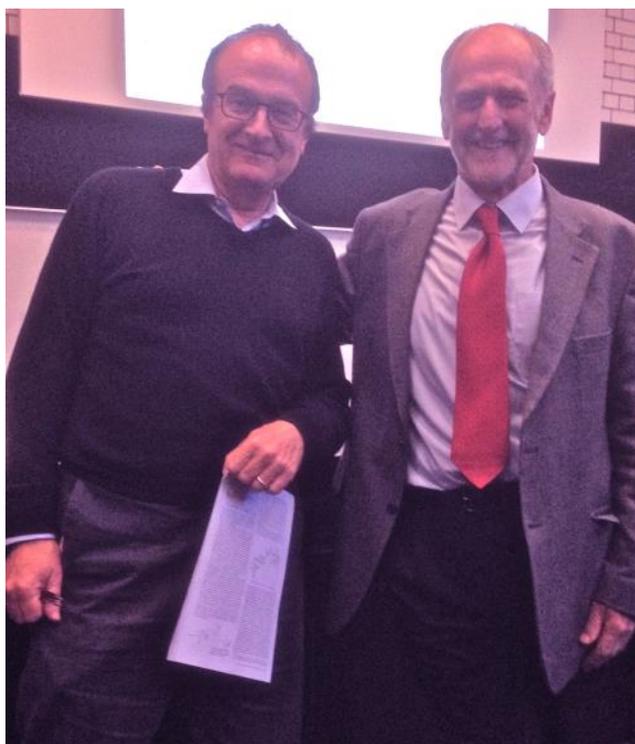
O'Brien Group News



Professor Peter O'Brien has been out and about recently. He visited Berlin in February and gave an invited research seminar at Berlin TU, hosted by Professor Martin Oestreich. Whilst in Berlin, he was a participant at the Drug Discovery Congress and gave an invited lecture entitled "Exploring 3-D Pharmaceutical Space: Lead-oriented and Fragment-oriented Synthesis". At the meeting, he caught up with Dr Susannah Coote, who did her PhD in the O'Brien group and is a recently appointed lecturer at Lancaster University and Dr Richard Doveston, who did his PhD in the Taylor group before moving to Leeds to carry out a post-doc.

At the end of February, Peter gave a research seminar at Peakdale Molecular in Sandwich, Kent. He was hosted by Dr Lynne Murray, who did her PhD in the O'Brien and Taylor groups, graduating in 2003.

Barton Lecture in Creativity in Organic Synthesis



On 10th March, Professor Richard Taylor presented the fourth annual Barton Lecture in Creativity in Organic Synthesis at Imperial College London. This Lectureship commemorates the British Nobel Prize winner Sir Derek Barton, who carried out research at Imperial College from 1957-78. Richard's lecture was entitled "Spiro-ing out of control" and described new results from York for the preparation of novel spirocyclic natural products and compounds of pharmaceutical interest. The photograph, taken in one of the historic Imperial College Lecture Theatres, shows Richard with Professor Tony Barrett FRS, the Head of Organic Chemistry at Imperial College (and a former student of Sir Derek).

Professor Robin Perutz News

Professor Robin Perutz and Dr Libby Gibson (now lecturer in Newcastle, ex York) were filmed as part of the Royal Society's 350th anniversary celebration of Philosophical Transactions. The film can be viewed by going to <https://royalsociety.org/publishing350/science-stories/> and clicking on Sustainability.

Chemistry Staff and Postgraduate 6-a-side Football - PLAYERS WANTED



The Staff and Postgraduate 6-a-side football league has been operating for at least the last 10 years and is a genuine highlight of the week for its regular players. We play in a league of 6 teams (5 of which are based on chemistry department sub-sections) on Friday evenings at 5pm at the university sports grounds, on the new JLD Astroturf pitches and the cost is just £1. The teams are mixed male and female and all abilities are welcome. For most of us, our standard of play can, at best, be described as average-to-poor, so please do not be put off if you feel that you would also fall into this category! If you are interested in playing, email me (Will Unsworth; william.unsworth@york.ac.uk) and I'll sort you out with a team. Most teams draw on a pool of 10-12 players, so it is not a problem if you cannot play every week and just fancy the occasional game.

Chemistry Block Effers Win at The Professional@YorkOscars

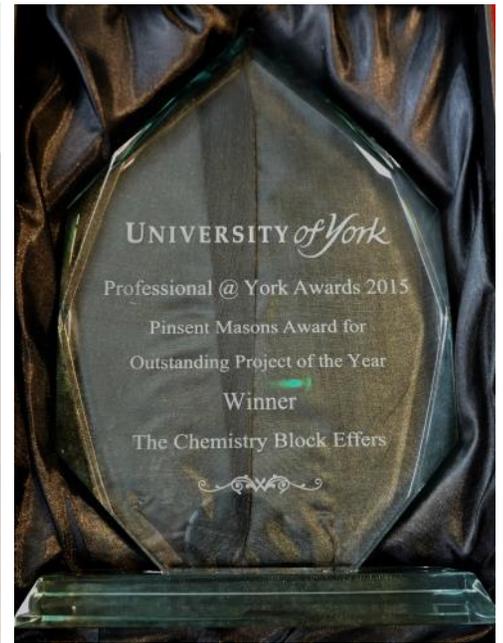


The Chemistry Block Effers won the Outstanding Project of the Year award sponsored by Pinsent Masons at the inaugural Professional@York conference on Monday 16th March. The award winners were Liza Binnington, Helen Burrell, Emma Dux, Milly Harvey, Phil Helliwell, David Pugh, Adrian Whitwood, Charlotte Elkington, Hannah Briers, Charlotte Brannigan, Tom Dugmore, Alison Edmonds, Christine Vis, Katy Holiday and Paul Elliott and they received a Glittering Prize as well as £500.

The conference itself was a thought provoking, useful and entertaining day that will no doubt be discussed elsewhere but the story of this award, and the day, really needs to be told, so are you sitting comfortably? In which case, we will begin.

The project team were pleased to have been nominated and their gast was well and truly flabbered when they got the email saying they had been shortlisted, once it had been firmly established that it was not SPAM mail. When the team found out that we also had to be videoed as part of the shortlisting process there was such excitement that a thorough selection process had to be carried out as unfortunately there were only spaces for four people on the video sofa, so many people were disappointed (predominantly the four that got to sit on the sofa to be videoed). This took place in the bowels of Hes Hall the week before the ceremony and was a surreal process: this video may well be made available for viewing, once the BBFC have classified it.

The morning of the award ceremony dawned and we each chose our outfit, fit for such an occasion and the conference started and the morning included a fascinating couple of talks but during lunch the nerves of the shortlisted team began to appear as the moment of truth approached. So, after lunch we all took our places, the house lights dimmed and the nervous excitement really began to take hold as the award ceremony started; we were on tenterhooks. The first award was announced and we now knew the format; announcement of the award, videos then naming of the winner. We



sat through a number of these as the excitement in the hall began to really step up as we approached the zenith of the day, the one we were all here for, the Oscar equivalent of film of the year, award of the project of the year. The award was announced; we nervously fidgeted, feigned disinterest, said it was nice to be nominated and all that, but deep down we really wanted to win; we had to win. The video started and bang, there the four of us were; on distressingly large screens voices ringing out explaining the process of 'trolleying' to the assembled mass of 500 people; they were enthralled. Other nominees talked about their projects but we could not concentrate; it was white noise at this stage, we were all of a quiver. All too soon, the videos were over, the moment of truth, the day of reckoning, the time to stand up and be counted was upon us, the room was at fever pitch by now and we were wrecks. Jane Grenville took the envelope and opened it and time stopped....."the winners are, dramatic pause, Chemistry Block Effers" the room exploded the pumping music (Simply The Best by Tina Turner) started and the flashing coloured lights sent the crowd into a frenzy and those members of the team that had made the journey to Central Hall took to the stage to receive the adulation of the assembled masses of the professional and support staff at York. We had done it, we had won.

Coming down after such excitement was very difficult and the rest of the award ceremony went by in a blur, and the afternoon was equally strange as it seemed to involve a ukulele and a vast number of boomwhackers (go on, Google ukelele and boomwhackers and see what you get). The tea break was also odd as people ran from Central Hall to the Exhibition Centre but if the tea break is sponsored by Bettys then maybe this has something to do with it?

The award was truly well deserved and further details (with less nonsense) can be found at the link below but I both personally, and Departmentally, wish to massively thank the Block Effers for a phenomenal job of moving an entire building with next to no operational impact on the Department, I am for ever in your debt and hold you in the highest regard for that. Thanks.

Simon Breedon

<http://www.york.ac.uk/admin/hr/professional@york/winners-2015/>

BBEE Workshop for Early-Stage Researchers - 2nd June

Registration for the early-career Building a Bio-based Economy for Europe (BBEE) workshop is [open!](#)

Date: Tuesday 2nd June (fringe event of the Renewable Resources and Biorefineries Conference ([RRB11](#)))

Time: 9.30 to 6 pm

Location: Biology Department, University of York.

Cost: Only £40 including lunch, refreshments and evening drinks reception (some free spaces available for attendees from York)

Attend this exciting one-day **interdisciplinary early-career workshop** to explore the challenges and opportunities for creating a bio-based economy in Europe with high level experts in the field and build your network of researchers and professionals. Through highly interactive discussions and workshops you will be able to develop their networks, skills in entrepreneurship and influencing policy and connect their research or work to the hot topics in other fields. The list of confirmed speakers and senior mentors includes:

- Dr. Leo Gomez (Centre for Novel Agricultural Products)
- Dr. Adrian Higson (NNFCC - the Bioeconomy Consultancy)
- Dr. Edward Green (Founder and Chief Scientific Advisor of Green Biologics)
- Sarah Hosking (R&D Workstream leader at Unilever)
- Daniel Wood (Acting Head of Parliament's Universities Programme, Houses of Parliament).

Visit www.rrbconference.com/bbee for more information and to download the application form. To apply for a free place, register by 31st March ticking the relevant box in the application form. Deadline for other registrations is 30th April.

In order to ensure a multifaceted and comprehensive discussion, the number of participants is limited to 50 and attendees from across different disciplines will be selected, so **apply early** before all the places go!

Best wishes,

The BBEE Team

(Jennie, Maria, Giulia, Tabitha, Rosa, Karla, Adrian and Tom)

The workshop is organized by [NESSE](#), [greenSTEMS](#), [BioBaseNWE](#), [NNFCC](#) with support from the Green Chemistry Centre of Excellence, the Centre for Novel Agricultural Products and the York Graduate Students' Association.

Bruker Poster Competition

The Bruker Poster Competition took place this year on 18th March, and saw 36 of our third year PhD students presenting their work.

The Competition requires participants to display a poster about their research which is scored by a panel of judges who look at presentation, scientific content, and student discussion. The judging panel consists of members of academic staff and PDRAs.

The overall standard of the posters was high as usual, but as the judges scores came in, three clear winners emerged.

Many congratulations to (left to right):

Alan Reay (IJSF)

Kirsty Skeene (JETO)

Josh Bray (IJSF)



Winners were announced at a departmental seminar in the afternoon, followed by a talk from our guest speaker Professor Ian Wilson from Imperial College London entitled *Is this a Biomarker I see before me? Metabolic Phenotyping for Patients and Populations*.

Thanks go to Bruker for their sponsorship of the event, all those members of staff on the judging panel, and all the students for taking part.

GreenSTEMS' Mini-Symposium: “Health: Me, You and the Environment”

Members of the greenSTEMS group led by Chemistry PhD student Giulia Paggiola have been organising an interdisciplinary mini-symposium that will see 6 early-career researchers from across the University of York presenting their work and how it aims to improve our health and well-being in a sustainable way.

This mini-symposium, and others to come, received funding by YuFund and the York Alumni Association that will support the greenSTEMS' goal of building a sustainable science community of early-career researchers on Campus.

Everyone is welcome to join this FREE event on **Tuesday, 24th March in Biology B/M/052 from 1500-1700** and be part of the discussion about health science & the environment, immunology, green chemistry and biology.

Drinks and pizza will be available at the end of the mini-symposium to fuel up the networking! The presentations are as follows:

The healing power of mathematics: quantitative studies of wound repair



The use of mathematical models to complement in vivo and clinical studies, gaining insights into experimentally intractable systems and how to improve the financial, ethical and resource-based sustainability of research into wound healing outcomes. **Speaker:** Elizabeth Gothard, a PhD student working between the Department of Mathematics and the Centre for Immunology and Infections.

Harder, better, faster, stronger: how do we take on the rise of antibiotic resistance bacteria?



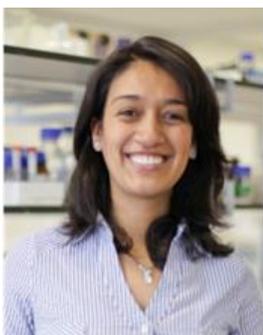
The UK's chief medical officer has recently described the growing resistance to antibiotics as a 'ticking time bomb' and 'as big a risk as terrorism' to the nation. This talk will look into how this has become such a hot topic and explore some of the research being performed at the University of York. **Speaker:** Robert Howlett, a post-doctorate microbiologist looking at methods of antibiotic resistance.

Greener medicines: Pharma and the solvent challenge



This talk will explore the important role that solvents play within the chemical preparation of drugs and present what are the key challenges and opportunities for making it greener and more sustainable in the long-term. **Speaker:** Giulia Paggiola, a PhD student working with the Green Chemistry Centre of Excellence and the Stockholm Environment Institute as part of Innovative Medicines Initiative, CHEM21.

Kiss kiss, bang bang: when plasma physics kisses bacteria goodbye!



Scientists are using the ionized gas called “plasma” to kill microbes in the lab. We will discuss the potential use of plasmas to eliminate pathogens that cause or live in skin wounds for example, considering what makes plasma suitable for human treatment, its safety and its long-term effect on microbes. **Speaker:** Angela Privat Maldonado, a final year PhD student working on an interdisciplinary project between York Plasma Institute and the Centre for Immunology and Infection.

Linking health and environmental outcomes through behaviours with co-benefits



This talk will investigate some of the reasons why we continue to engage in behaviours with negative impacts on ourselves, particularly from a public health perspective, and suggest research and policy directions for shifting patterns of human behaviour towards those which are jointly beneficial. **Speaker:** Michaela Smith, a PhD student in the Department of Health Sciences and also part of the Health of Populations and Ecosystems (HOPE) project.

More green, less grey: the benefits of urban green spaces



This talk will discuss the association between the health of the natural environment and human health could inform the restoration and conservation of green spaces and ensure the provision of ecosystem services which are essential for human health and well-being. **Speaker:** Siân de Bell, a PhD student studying the links between the ecological health of urban green spaces and their impact on the health of local populations, part of the HOPE project.

CIEC Research Data Shows Industry Visits Improve Children's Perceptions of Industry

In February 2015 pupils from Greneway Middle school, Royston, visited the Johnson Matthey site at Royston as the culmination of their Children Challenging Industry (CCI) experience. During their visit the children visited the Technology Centre to find out what catalysts are and what they do and made their own wash coats (the active part of the catalyst). This was followed by a tour of the site where they saw robots applying wash coat to the substrate.

The visit demonstrated how their school activities (the process of developing a good bubble mixture had much in common with the development and testing of wash coats) were directly related to work on the site.

A recent report on the impact of the CCI project in Royston schools demonstrated that children who are shown how science works in the 'real world' (in this case in industry) show a greater understanding of science and the possibility that they could have a future career using science.

Teachers taking part in CCI reported the greatest impact as being:

- Improvement of children's investigative skills and group work
- Range of teaching ideas and the practical activities
- The CIEC Advisory Teacher's expert knowledge of science and the industrial content of the activities.

The majority of teachers felt their knowledge of teaching science had improved, the class sessions linked well to industry, the site visit was an important component of the experience and that they would use the written resources again. The CCI project also fulfilled their expectations.

At the end of the CCI intervention the teachers showed greater understanding of the interesting jobs available in industry and the economic benefits of industry.

Of the children who participated:

- Over 80% enjoyed the investigations, learned something new and enjoyed the challenges
- Over 70% liked learning about industry and now like science more.

The activities the Greneway children worked on in school were:

<http://www.ciec.org.uk/resources/runny-liquids.html>

<http://www.ciec.org.uk/resources/kitchen-concoctions.html>

<http://www.ciec.org.uk/resources/a-pinch-of-salt.html>

Below are some observations the children made following their visit to the JM site (positive comments far outweigh any negative comments).



A Greneway pupil inspecting substrate during the Johnson Matthey site visit

What the children said:

“I liked it all because I was learning new things.”

“I enjoyed the ketchup bit because it was really fun and they explained it clearly.”

“I liked watching the robots.”

“The robots move like humans.”

In response to what did you enjoy the most:

“seeing the robots and learning what they do and sorting out the catalyst.”

“making the experiment with all of the liquids.”

“seeing the robots sorting out the catalysts.”

“looking at the cars.”

In response to what did you enjoy the least:

“Walking and walking upstairs and apart from that nothing.”

Deb McGarrity, Royston Site and Community Coordinator commented, “The difficulties of attracting young people into careers in science have been well documented in recent years. From this perspective, I think it is important that schools in our area understand what Johnson Matthey actually does, and how exciting and varied a career in science can be”.

Network Connections in Chemistry

Just a quick note to clarify how you should connect to the network in Chemistry to ensure the correct level of access.

- We now have wireless network access throughout the department.
- The wired network in the new buildings (E & F-block) and parts of some of the older buildings has the option of connecting as a guest (using university username and password for authentication) as well as a registered connection.
- Connection via a registered wired connection will give full network access to the internet, central facilities/file stores and local chemistry shared drives, network access storage, NMR data stores and shared (non-YEP) printers.
- Connection as a guest through the wired network or using the wireless network will give full network access to the internet and to central facilities/file stores but NOT to local chemistry systems.
- Computers running Windows XP and earlier OS should not be connected to the network either wired or wireless. IT-services are now actively blocking any PCs they find running windows XP. If you must have an XP PC connected to the web then it can be put on a highly-restricted network with no external network access or access to local systems. All you can connect to are the central file-stores and other devices on the restricted network

What I recommend is:

- For desktop PCs - register these on the network as normal.
 - ⇒ This should be done before connecting the PC to the network using a cable otherwise you will go onto the guest network and it can be tricky getting back to the standard network.
- For laptops
 - ⇒ If you don't need to get onto local chemistry systems just use the wireless or wired network as a guest.
 - ⇒ If you need to connect to local chemistry devices you must register the laptop.
- For phones/tablets etc.
 - ⇒ just use the wireless

To register a computer - fill in the Google form as describe on

<http://www.york.ac.uk/chemistry/internal/staffinfo/workchem/computers/campusnet/>

Charity Bake Sale for Marie Curie – Monday 30th March 2015

Hello!

I am currently raising money for Marie Curie by taking part in Swimathon 2015. This year I decided to take on the challenge of swimming 5 km (200 lengths!)

The money raised from this year's event goes to Marie Curie, which is a leading charity providing care and support to over 40,000 people with a terminal illness, both in the community and in Marie Curie hospices. They work to research the best ways for caring for people at the end of life and provide key support to families and friends in such a difficult time.



I am hoping to raise as much money for this charity as possible (which I'm sure will help make the swimming easier!) by holding a cake sale on Monday 30th March. So please come along, grab a cake and make a donation to charity! (If you'd like to provide some cakes to sell too, please let me know!)

I also have a sponsor form and a just giving page if you would like to make a donation.

If you want any more information on the event or the cake sale please let me know, my email is mcw505@york.ac.uk.

Thank you in advance!

Mary Wheldon

Links

<http://www.swimathon.org/>

<http://www.mariecurie.org.uk>

<http://my.swimathon.org/sponsor/marywheldon>

New Starters

Mrs Jing Wood, Waste and Safety Technician

Ext: 2717, Room: B028, Email: jing.wood@york.ac.uk

Dr Christopher Windle, Postdoctoral Research Associate

Ext: 2536, Room: E114/102, Email: cdw500@york.ac.uk



Chemistry Comes to Dance



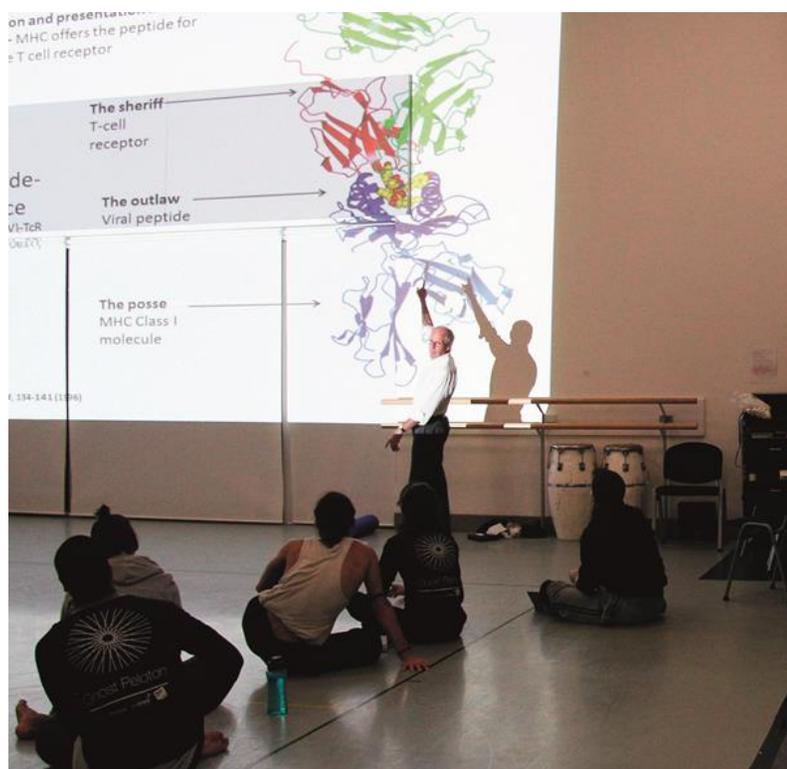
Professor Sir John Holman and Professor Tony Wilkinson have been advising Phoenix Dance Theatre, a contemporary dance company based in Leeds.

The idea started when John bumped into Sharon Watson, Phoenix Creative Director, on a train. They started talking about using scientific ideas as an inspiration for dance. They hit on the idea of the chemistry of tears as a place where chemistry and emotions meet

– perfect inspiration for an artistic creation!

One of the many components of mammalian tears is lysozyme, which acts against bacteria entering the vulnerable eye. The complex yet utterly precise three-dimensional structure of the protein suggested movement to the dancers, and combining this with the emotional resonances of tears sparked many creative ideas.

With the help of an Arts Award from the Wellcome Trust and a few chemistry lessons from John and Tony, Phoenix created 'Tearfall', a 20 minute dance that premiered as part of a mixed programme in the West Yorkshire Playhouse in Leeds on 11th February, with Tony and John sitting proudly at the front. The dance is now on tour around the UK, and will be performed in the Royal Opera House in London in November.

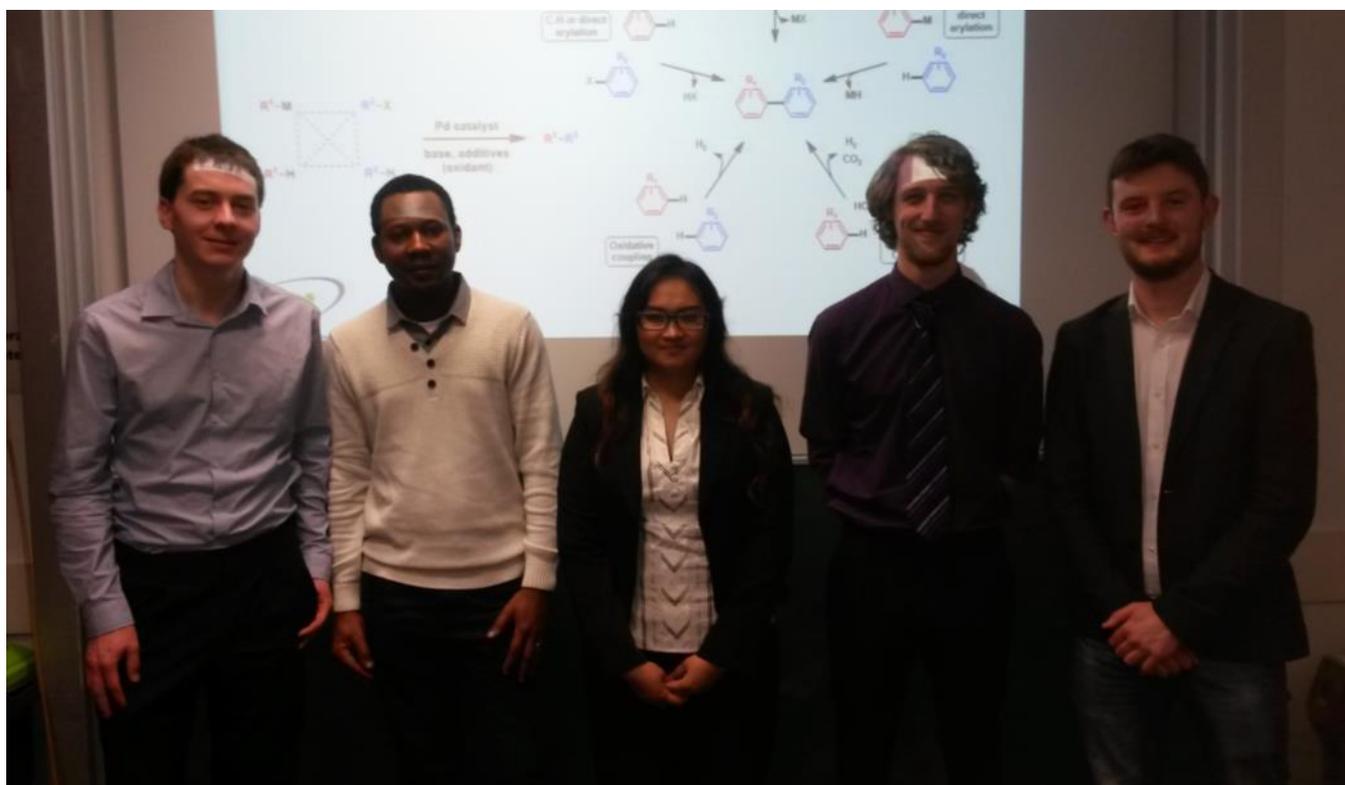


John uses Tony's images to teach protein structures to the dancers!

Organic Plenary Session, 12th March

What do Iron Man, Rio Ferdinand, Gone with the Wind and Jell-O have in common? Well, perhaps surprisingly, they all featured in one way or another in the Organic Section final year PhD plenary session! You'll have to ask the presenters why these things were mentioned...

The lectures ran smoothly thanks to the efforts of our Master of Ceremonies, post-doc Dr Tim Hurst (thanks Tim). In the first session, Josh Bray (IJSF), Chehasnah Haji-Cheteh (PAOB/IJSF) and Matt Lloyd (RJKT) educated us on Pd-catalysed cyanation, ring expanding pyrrolidines to piperidines and the use of Rh in natural product synthesis, respectively. After the tea break (thanks to Angela for organising this), Babatunde Okesola (DKS) explained his water purification methods and Alan Reay (IJSF) explained four different ways of functionalising indoles using Pd. What a great way to finish the term!



Research Data Management Training - 2pm-3pm on 22 April, A101

A change in the Research Council rules means that it is now mandatory for all researchers to undertake training in Research Data Management. Accordingly, a 1 hour session for research students and post-docs will be held on Wednesday 22 April between 2pm and 3pm in C/A101. **All PhD and MSc by research students are required to attend this session.** All post-docs are strongly advised to attend this session.

- Research students: please confirm your attendance by signing up on [Skills Forge](#)
- Post-docs: please confirm your attendance by signing up via [doodle poll](#)

Building Sustainable Solvent Solutions for Industry



Thursday, 30th April 2015, 9.30am—5.30pm

Green Chemistry Centre of Excellence (GCCE), Department of Chemistry, University of York

A one-day symposium on safer, greener and more sustainable solvents in industry

- Learn which widely used solvents will be restricted / banned in the near future and the alternatives that the GCCE can help to find.
- Find out which alternative solvents are sustainable and economically attractive compared with conventional organic solvents.
- Guidance on how we can help your business with greener solvents from our experts in solvents research.
- Listen to talks from companies that can supply alternative solvents and those who are currently benefitting from using them, such as Circa.
- Opportunities for knowledge transfer, discussion and networking.

Who Should Attend?

This conference would be of interest to academics and industrialists working in all areas where solvents are used including chemicals and pharmaceuticals, cleaning, formulations, inks and pigments, extractions and analysis.

Register your place by Monday 27 April 2014 at <http://solventsolutions.eventbrite.co.uk>

If you would be interested in giving a talk (of which there is some limited space for) or exhibiting a poster at this event, please get in contact. Email katy.holiday@york.ac.uk.