

Celebrating Women at Imperial

Following on from the success of the inaugural Women at Imperial Week last year, next week the College will host an exhibition in the Main Entrance celebrating women across Imperial.

In addition to the exhibition there will be a number of events during the week including on International Women's Day (8 March) the Provost's Gender Summit, where the Provost, Professor James Stirling and Provost's Envoy for Gender Equality, Professor Dorothy Griffiths will present the College's response to the results of the Athena SWAN focus groups and questionnaire (16:15-17:00) followed by the Women@ Imperial Week reception (17:30-19:30) hosted by President, Professor Alice Gast, which will celebrate the achievements of women at Imperial past and present.

This year the theme of International Women's Day is Pledge for Parity. Worldwide, women continue to contribute to social, economic, cultural and political achievement. But progress towards gender parity has slowed in many places. The World Economic Forum predicted in 2014 that it would take until 2095 to achieve global gender parity. Then one year later in 2015, they estimated that a slowdown in the already glacial pace of progress meant the gender gap wouldn't close entirely until 2133. Everyone - men and women - can pledge to take a concrete step to help achieve gender parity more quickly whether to help women and girls achieve

their ambitions, call for gender-balanced leadership, respect and value difference, develop more inclusive and flexible cultures or root out workplace bias. Each of us can be a leader within our own spheres of influence and commit to take pragmatic action to accelerate gender parity.

Therefore to celebrate equality and Departmental culture during Women at Imperial week I encourage you to share pictures of yourselves holding up [selfie signs](#) about your research, names of women who have inspired you or your #PledgeforParity this is open to all the Department and if you send images to Jenna she can share some via the Department social media channels.

DEPARTMENT UPDATES

London to Brighton cycle ride in June

For the 5th year in a row the Weinberg Group have signed up to cycle from London to Brighton on Sunday 19 June (Father's Day) any keen cyclists in the Department who may be interested in taking part please get in contact with [Dr Zahra Mohri](#).

Royal Society pairing scheme

The [Royal Society pairing scheme](#) gives policymakers and research scientists an opportunity to experience each other's worlds it is open for applications until **9 March**.

Access

If you need access to lab or offices you should fill in this online form: <https://share.imperial.ac.uk/foe/Bioengineering/LabInformation/Lists/AccessReq/Item/newifs.aspx>

For laboratory access new users need to complete and upload a safety induction form.

WELCOME TO THE DEPARTMENT

Welcome to new starters

- **Katerina Kandyaki**
Research Assistant with Dr Tobias Reichenbach
- **Marsilea Harrison**
Research Associate with Prof Martyn Boutelle
- **Spencer Barnes**
Research Assistant with Prof Anthony Bull and Dr Jonathan Jeffers
- **Roni Maimon**
Research Technician with Dr Aldo Faisal

This month sadly five colleagues are leaving, we wish them all the best in their new roles:

- **Helen Findon**
- **Sarah Jarvis**
- **Romain Caze**
- **Tim Weenik**
- **Georgios Pothoulakis**

GRANT SUCCESS

Medical Research Council awarded to **Dr Claire Higgins** for a project on osteogenic differentiation (£402,916)

Wellcome Trust Seed Award awarded to Dr Tobias Reichenbach (£100,000)

PUBLICATION SPOTLIGHT

Be sure to check out the Department's recent publications:

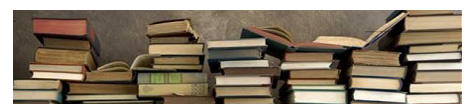
Will Haining, Tyler Lieberthal, Armando del Río Hernández *Talin: a mechanosensitive molecule in health and disease*. FASEB J. Feb 2016. doi: [10.1096/fj.201500080R](https://doi.org/10.1096/fj.201500080R)

Ziyun Ding, Daniel Nolte, Chui Kit Tsang, Daniel Cleather, Angela Kedgley, Anthony Bull *In Vivo Knee Contact Force Prediction Using Patient-Specific Musculoskeletal Geometry in a Segment-Based Computational Model*. J Biomech Eng 138(2), Feb 2016 doi: [10.1115/1.4032412](https://doi.org/10.1115/1.4032412)

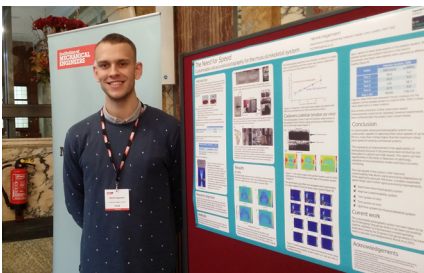
PHD VIVA SUCCESS

Congratulations to all our PhD students who successfully defended their PhDs in vivas this month.

- **Virginie Papadopoulou, Sinan Li, Yesna Yildiz** from Dr Mengxing Tang's group.
- **'Prang' Tongathai Phairatana** from Prof Martyn Boutelle's group.



Success at Healthcare Technology awards



Henrik Hagemann MEng 2015 graduate, presented his final year project on 'Customisable ultrasound elastography for the musculoskeletal system'.

IMechE Vicon Best Medical Engineering Undergraduate Project Podium Prize

Billy Woods

IET Dennis Hill Award and the IMechE Vicon award

Lance Rane (runner-up)

Best Medical Engineering Undergraduate Project

Tong Wei Ng, Bo Yang, Jeeyen Hee, Book Chayanun Pansuwan, Naomi Ho (runner-up)

Tong Wei, Bo, Jeeyen, Book and Naomi's project was "CancerScope" which they did for their third year group project last year with Dr Emm Drakakis.

Each year, the IMechE and IET join forces to recognise the top biomedical engineering students across the UK in their Healthcare Technologies Awards.

IET Dennis Hill Award

Eduardo Gonzalez Ponferrada
Henrik Hagemann (runner-up)
Ioana Calangiu
Michele Tonutti

OUT AND ABOUT

Dr Reiko Tanaka, Dr Jenna Stevens-Smith and third year undergraduates Mohima Ahmed, Anisha Malde, Aidan Acquah, Yomna Genina, Nasreen Abdul Razak visited Bishop Gilpin Primary School on 10 February to talk about their atopic dermatitis project and test the educational game they have developed.

Dr Jenna Stevens-Smith and Dr Ian Radcliffe spoke at Eastbury Community School in Barking on 4 February about bioengineering in sport for an event organised by IMechE about Science and Engineering in Sport.

Biochanges, the synthetic biology and biodesign innovation event series went stateside on 1 February with an at [MIT Media Lab](#). The event was organised by **Stephen Gray**, now a postdoc at MIT.

Dr Angela Kedgley spoke at the Holland Park School's Science Breakfast Club on 29 January and gave a talk to 250 students at Fulham Cross Girls' School about working in research and being a bioengineer on 12 February.

Dr Ian Radcliffe was invited to speak at DMRC Headley Court on 19 February about the Sports Innovation Challenge.

STAFF & STUDENT SUCCESS

Ben Reeve from Dr Tom Ellis's lab has been awarded the John & Frances Jones Prize. The award was presented at the 103rd Annual Dinner of the City & Guilds College Association (CGCA), on 26 February.

First year Bioengineering undergraduate **Miroslav Gasperek**, along with Martin Ferienc and Daniel Zvara from Electrical and Electronic Engineering and Computing won the Cisco Switch-Up Challenge with their project 'Wells'.

Dana Al Sulaiman from Dr Sylvain Ladame's group has been shortlisted to present at the Houses of Parliament on 7 March at SET for Britain.

Antonios Chronopoulos and **Tyler Lieberthal** from Dr Armando del Rio Hernandez's group have been shortlisted as finalists for the Global Health Innovation Award for their project ExoSonic. They will be presenting in the 'Dragon's Den' event on 7 March.

Dr Ben Almquist has won the 2016 Outstanding Young Alumni Award from the Michigan Technological University Alumni Association. Ben graduated in 2004 with a BS in Materials Science & Engineering.

Professor Colin Caro letter published in the American Physiological Society's magazine [The Physiologist](#).

Mathworks have showcased the Department's Computational Mathematics pedagogy in year 1, at the British Applied Mathematics [colloquium](#), and in a [video](#) and [webinar](#). The latter features module author **Liam Madden** and **Sihao Lu** in his role of UTA and module alumni.

Ourobotics, an Irish start-up co-founded by **Stephen Gray** and Jemma Redmond took the top prize at the SVOD Europe (Silicon Valley Open Doors Europe) competition in Dublin this month.

ALUMNI SUCCESS

Dr Jin-Young Kim a former PhD student of **Dr Danny O'Hare's** has got a permanent faculty position. Dr Kim worked with Danny on microfluidics and HPLC on a chip. Following his PhD he was a Postdoc at ETH Zurich for 3 years and is now moving back to Korea to take up the new position at Daegu Gyeongbuk Institute of Science and Technology (DGIST).

CAREERS CORNER

PG Open Day 14:00-15:30 RSM 228

On Wednesday 9 March the Department will be running a session as part of the College-wide Postgraduate Open Day. This is a great opportunity to find out more about the postgraduate study options in the Department from staff and students.

14:00 Introduction | Dr Jenna Stevens-Smith

14:10 PhD | Mara Pop

14:25 MRes Bioengineering | Will Haining

14:40 MSc Biomedical Engineering | Dr Robert Dickinson

14:55 MRes Medical Device Design and Entrepreneurship | Vincent Zaballa

15:10 Open Q&A with admissions tutor, current students and academics.

Bioengineering Companies Database

Robert Ferguson has added a database with details of companies and organisations operating in biomedical engineering and allied industry sectors to the Department of Bioengineering's website.

You can find this database on the our website via the following links. The database is intended to help you with your search for jobs, internships and projects. <http://www.imperial.ac.uk/bioengineering/study/career/>

1:1 Interviews

Robert is available this term for 1:1 interviews with students and researchers to discuss your careers plans, applications and interviews. Please email him for an appointment. In addition Careers Consultant Rachel Power and Placement and Internship Adviser Barnaby Mollett will be available for drop in interview on Tuesday from 12noon – 1pm in RSM 4.28a.

There are a number of open PhD positions at the moment through the Bioengineering Doctoral Training Programme (DTP) and funded projects with a number of academics inc. Dr Firat Guder and Dr Angela Kedgley.

UPCOMING EVENTS

Departmental Seminars

Thursdays 12.00-13.00

10 March 2016 12:00-13:00 RSM2.28

Dr Alvaro Mata from Institute of Bioengineering, Queen Mary University London *Precise bioengineering of functional materials and biomimetic environments*

17 March 2016 12:00-13:00 RSM2.28

Ellie Tzima from Department of Medicine, University of Oxford *Vascular Mechanotransduction: a journey from the protein to the vessel*

Imperial Events

07 March 2016 18:00-20:00

IGHI Student Challenges competition: Enter the Dragons' Den Business School, Imperial College London, South Kensington campus

07 March 2016 19:00-20:00

Biochanges Biodesign Innovation Huxley 311, Imperial College London, South Kensington campus

09 March 2016 14:00-15:30

Postgraduate Open Day RSM2.28, Imperial College London, South Kensington campus

10-11 March 2016 12:00-12:00 (fully booked)

UK MedEnterprise Training Network 58 Princes Gate, Imperial College London, South Kensington campus

23 March 2016 14:00-18:00

Imperial MedTech Links: Wearables, Behaviour and Data Imperial College London, South Kensington campus
www.imperial.ac.uk/medtech/events

7-8 May 2016

Imperial Festival and Alumni Reunion Weekend Imperial College London, South Kensington campus

15 June 2016 17:30-18:30

2016 Bioengineering Annual Lecture

Professor James Collins, MIT

Imperial College London, South Kensington campus

http://www.imperial.ac.uk/bioengineering/about/bioengineering_lecture/

Conferences

4-7 July 2016

Eurohaptics 2016

Professor Etienne Burdet, Dr Ildar Farkhatdinov and Dr Franck Gonzalez are co-organising.

Imperial College London, South Kensington campus

Website: www.eurohaptics2016.org

5-6 September 2016

MEIbioeng16

Institute of Biomedical Engineering, University of Oxford

7-9 September 2016

Young Researchers' Futures Meeting 2016

Medical Imaging and Interventions: engineering a better look at cancer

Deadline for applications is 31 March 2016

Imperial College London, South Kensington campus

Website: <http://www.yrfm.uk/>

12-14 September 2016

Medical Physics and Engineering Conference 2016 (MPEC)

Science for patient benefit

Manchester

Website: www.ipem.ac.uk/ConferencesEvents/MPEC.aspx

5-8 October 2016

2016 BMES Annual Meeting

Innovation at the Interface

Minneapolis Convention Center/ Minneapolis, Minnesota, USA

Website: bmes.org/annualmeeting

SynBio Events

April 6-8 April 2016

SynBioBeta London 2016

Imperial College London, South Kensington, UK

<http://www.synbicite.com/news-events/events/synbiobeta-london-2016/>

April 9-10 April 2016

EUSynBioS Symposium: Engineering Biology for a Better Future

Imperial College London, South Kensington, UK (hosted by SynbiCITE)

<http://www.eusynbios.org/symposium/>

CONTACT

Send news for the next issue to:

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