

## ACADEMIC NEWS

### DPMMS:

- Recent grants awarded:
  - *Dr Rajen Shah*: Statistical and Computational Challenges in High-Dimensional Data Analysis. For the period of 1<sup>st</sup> April 2017 – 9<sup>th</sup> September 2017 received a grant of £100,220 from EPSRC.
  - *Professor Gabriel Paternain*: Nonlinear geometric inverse problems. For the period of 1<sup>st</sup> December 2017 – 30<sup>th</sup> November 2020 has been awarded a grant of £325,635 from EPSRC.
  - *Professor Richard Samworth*: New challenges in high-dimensional statistical inference. For the period of 1<sup>st</sup> December 2017 – 30<sup>th</sup> November 2020 has received an EPSRC Fellowship extension of £610,894.
- *Holly Krieger* (Corfield Lecturer) has a new Numberphile YouTube video '[Fibonacci Numbers hidden in the Mandelbrot Set](#)'. A couple of Holly's previous Numberphile YouTube videos have had around a million views and the new video has had more than 225,000 views in less than a week.
- The [Winton Centre for Risk & Evidence Communication](#), which is part of the Stats Lab and can be found in the basement of Pavilion D, would like to welcome and introduce several new team members:
  - [Dr Anne Marthe van der Bles](#) - a psychologist who is studying the communication of uncertainty.
  - [Dr Cameron Brick](#) - a psychologist who is studying effective ways to communicate quantitative evidence to policy-makers and voters. He also won the University 'pitch your post doc' award last month.
  - [Zsofia Szlamka](#) and *Leila Finikarides* who will be joining the team as Research Assistants.The Centre invite members of the Faculty to go along and find out more about what they do, and if you have data that needs communicating they encourage us to contact the Centre: [wintoncentre@maths.cam.ac.uk](mailto:wintoncentre@maths.cam.ac.uk)

### DAMTP:

- The Faculty would like to extend their welcome to *Dr Maria Ubiali*, University Lecturer, who joined the High Energy Physics group on 1<sup>st</sup> October.
- *David Tong* – his LMS Popular Lecture on 'The Unreasonable Effectiveness of Physics in Maths' can now be viewed [online](#).
- *Thomas Crawford*, former PhD student, has recently posted the following articles on his [webpage](#):
  - VIDEO: [What is the Gamma Function?](#)
  - [Spinning a giant fish tank](#) - the 4th article explaining Tom's PhD thesis in simple terms.
  - [Fixing Smoky Wine with Science](#) - an interview with BBC Radio Cambridgeshire.

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The Faculty would like to extend their congratulations to Ellese Cotterill (DAMTP) who has recently been awarded her PhD in Mathematical Genomics & Medicine.

## ACADEMIC VISITORS

The following academic visitors will be visiting DAMTP:

- Professor Greg Chini (University of New Hampshire) will be visiting Colm Caulfield and Rich Kerswell: Tuesday 17<sup>th</sup> – Wednesday 18<sup>th</sup> October.
- Professor Gary Horowitz will be visiting the General Relativity Group: Monday 16<sup>th</sup> – Friday 20<sup>th</sup> October.
- Dr Achim Kempf (University of Waterloo) will be visiting Adrian Kent (Quantum Group): Saturday 14<sup>th</sup> – Wednesday 18<sup>th</sup> October
- Professor GertJan van Heijst (TU Eindhoven) will be visiting Stuart Dalziel: Wednesday 25<sup>th</sup> October – Friday 1<sup>st</sup> December.

## ANNOUNCEMENTS

### Launching the University Public Engagement Starter Fund

The [Public Engagement Starter Fund](#) is an exciting opportunity for University of Cambridge researchers to apply for small grants to undertake innovative, research-focused public engagement activities. This scheme is a continuation of the Public Engagement Seed Fund, introduced in 2016 and supported by the RCUK Catalyst Seed Fund. This year's application process is currently open, and all applications need to be submitted by *Wednesday 1<sup>st</sup> November*.

## EVENTS

### 2017 Annual Race Equality Lecture: The Realities of Racism

*Thursday 26<sup>th</sup> October, 5.30pm – 6.30pm, at Palmerston Room, St John's College*

The lecture will look at factors that have contributed to racism and discrimination historically, providing an opportunity to reflect on what could be changed today.

- Professor Francisco Bethencourt, King's College London, will take a historical perspective on ethnic prejudice and discrimination across centuries.
- Professor Kalwant Bhopal, Birmingham University, will examine the experiences of Black and Minority Ethnic academics and students in the British higher education system.

All are welcome. Details on how to book can be found [here](#).

### Cambridge Festival of Ideas

*Monday 16<sup>th</sup> – Sunday 29<sup>th</sup> October*

The Cambridge Festival of Ideas celebrates its 10th anniversary with a line-up of distinguished speakers and a host of exhibitions and events. This year's Cambridge Festival of Ideas puts 'truth' under the spotlight, discussing everything from whether we can still believe in experts and how conspiracy theories stake their claim to truth to what has driven populism around the world to whether we can still keep secrets in an age of technology. The [Festival Programme](#) has over 200 events ranging from debates, talks, exhibitions, films and performances held in lecture theatres, museums and galleries around Cambridge. There are events for all ages and most are free. Bookings are now open.



### Centre for Mathematical Imaging in Healthcare

- CMIH will be hosting the following event on *Wednesday 18<sup>th</sup> October*: 'Developments in Healthcare Imaging - Connecting with Industry'. A full programme and details on how to register for this event can be [accessed here](#).
- Martin Burger (CMIH) on *Monday 16<sup>th</sup> October* and *Thursday 19<sup>th</sup> October* will be giving a short course of talks on 'Image Reconstruction in Biomedical Imaging'. Details can be found [here](#).

### Emmy Noether Society

The [Emmy Noether Society](#) is a society that celebrates women in maths by hosting talks by female mathematicians and social events. All the ENS events are free and open to all. Upcoming events are posted on their webpage and their [Facebook page](#).



### Open Access Week

*Monday 23<sup>rd</sup> – Sunday 29<sup>th</sup> October 2017*

Established by SPARC (the Scholarly Publishing and Academic Resources Coalition) and partners in the student community in 2008, International Open Access Week is happening worldwide. The 2017 International Open Access Week theme is: 'Open in order to...'

The Office of Scholarly Communication (OSC) is organising several events including:

*Friday 27<sup>th</sup> October 2017, 9.00am - 1.15pm, at the Hauser Forum, Seminar Room 1.*

Helping researchers publish in the Sciences, Technology, Engineering & Mathematics subjects. This event will feature contributions from PLOS, Scholastica and Cambridge University Press. Details on this event and how to book can be found [here](#).

### Science Comedy Performance Workshop - Last call

Monday 23<sup>rd</sup> October, 1.30pm – 5.00pm, at 17 Mill Lane

Hone your science communication skills with Science Showoff veteran Stanley Strawbridge. In this half day course you will be prepared to perform your own routine in front of a live audience. The session will be participatory and supportive, and include: exercises to improve body language and voice confidence; the basics of stand-up comedy; group work to develop material. No prior performance experience is required. More information is available [here](#). Please contact Dr Rebecca Jones with any queries at: [scipe@stemcells.cam.ac.uk](mailto:scipe@stemcells.cam.ac.uk)

### Wellbeing Event Recharge and Refocus

Tuesday 17<sup>th</sup> October, 12.30pm – 1.30pm, at the Pippard Lecture Theatre, Cavendish Laboratory, JJ Thomson Avenue

In this session you will learn:

- How to protect focus & willpower for the most important tasks
- How to manage difficult thoughts more effectively - mini mindfulness
- Learn what resilience means and how to strengthen it
- One technique to help Break Negative Thought Loops

Use this [link to register your interest](#) in attending this event.

### Winton Centre

The Winton Centre will be holding two events over the coming months:

- Monday 23<sup>rd</sup> October, 5.30pm – 8.00pm at St Catherine's College  
Dodgy Data in the News: How to Spot it and How to Stop it. Event details and how to book can be found [here](#).
- Tuesday 14<sup>th</sup> November, 5.30pm – 8.00pm, at Peterhouse Lecture Theatre  
Can you handle the truth? Facts, figures and communicating uncertainty.  
This event, in conjunction with the Centre for Science and Policy (CSaP), will be hosted David Spiegelhalter (Stats Lab). Event details and how to book can be found [here](#).

### WiSETI - Home Truths: Supporting Success And Making A Difference To Women In Science

Wednesday 18<sup>th</sup> October 12.30pm – 1.30pm at the Darwin Room, The Pitt Building

This WiSETI event will explore how workplaces can support the lives and careers of women. Professor Laura Itzhaki Pharmacology, Dr Hannah Critchlow and Dr Susie Wan will be giving personal talks about their experiences of how workplaces can support women in science. The event will be chaired by Professor Dame Athene Donald. Use this [link to register your interest](#) in attending this event.

## GENERAL INFORMATION

### New member of administrative staff

We are delighted to announce that Mrs Denise Champion will be joining DAMTP on Monday 16<sup>th</sup> October as Pavilion Group Secretary (Pavilion G). She will also be working in the Undergraduate Office. Her office will be G1.10 and her contact details will be: [pavgsec@damtp.cam.ac.uk](mailto:pavgsec@damtp.cam.ac.uk) / (3)37870.

### DPMMS Finance Office

Please note the updated contact details for the DPMMS Finance Office:

Faith Durup	Finance and Grants	C1.19	37958	<a href="mailto:finance@dpmms.cam.ac.uk">finance@dpmms.cam.ac.uk</a>
Angela Smith	Finance	C1.19	37999	<a href="mailto:as862@cam.ac.uk">as862@cam.ac.uk</a>

### Faculty for Mathematics – Student Elections STUDENTS

Student Elections for places on the Mathematics Faculty Board (two undergraduate places and one graduate place) are now underway. An election of student members of the Faculty Board to serve for twelve months from 1<sup>st</sup> December 2017 to 30<sup>th</sup> November 2018 will be held on **Thursday 23<sup>rd</sup> November 2017**. Voting will take place online and is by single transferable vote. The election will be conducted in accordance with the provisions of the Statutes and Ordinances, pp. 113-116. Votes can be cast between 8.00 am and midnight at [www.vote.cusu.cam.ac.uk](http://www.vote.cusu.cam.ac.uk). Full details on who is eligible and on the nominations process can be found on the [Faculty of Mathematics Student Elections 2017 webpage](#). **Nominations** must reach Hannah Fox, the Secretary of the Faculty Board, CMS, by 5.30pm on Thursday 16<sup>th</sup> November 2017.

If you have anything you would like to be included in the next News Bulletin please send details to Faith Payne [newsbulletin@maths.cam.ac.uk](mailto:newsbulletin@maths.cam.ac.uk) by Wednesday 25 October 2017. The next issue will be published on Monday 30 October 2017.

## Maths Notetakers required STUDENTS AND POSTDOCS

### Disability Resource Centre

#### Maths Notetakers Required

Do you want to supplement your income by working a few hours a week for £13.50 an hour?

If so, and you have the following:

- A good command of the English language
- The ability to take clear and accurate notes
- Are reliable and able to commit to a regular time for at least a term

We would welcome your application to be a notetaker in undergraduate Mathematics lectures.

Notetakers are paid £13.50 per hour. Further information and an application form can be found at: [www.disability.admin.cam.ac.uk/recruiting-notetakers](http://www.disability.admin.cam.ac.uk/recruiting-notetakers)

\* Please note that Cambridge University Postgraduate students are limited by University regulations to 6-10 hours per week until submission of their thesis and need approval from their DoS to undertake paid work.

If you are interested, please contact Aless McCann, Disability Support Co-ordinator via [nmh@admin.cam.ac.uk](mailto:nmh@admin.cam.ac.uk) as soon as possible



Support and advice for students

## New Postdoc centre opened in Eddington POSTDOCS

The University has recently opened its third [Postdoc Centre in Eddington](#). It provides meeting rooms, a lecture hall, and social space for the use of the University's community of postdoctoral researchers in particular for those living at or working near Eddington.

## University Travel Insurance FOR ALL MEMBERS OF THE FACULTY

This can be used by employees, workers and students of the University of Cambridge whilst travelling outside of the UK on University of Cambridge business or on field trips arranged and supervised by University of Cambridge departments. Full details on how to apply for Travel Insurance can be found [here](#).

## LOCAL ENVIRONMENT & SUSTAINABILITY

### Annual Travel Survey STAFF

The [Annual Staff Travel Survey](#) will be open from the *Sunday 15<sup>th</sup> October – Sunday 29<sup>th</sup> October 2017*. The Environment and Energy Section in Estate Management want us to have our say on transport issues at the University and in Cambridge, and how our journeys into Cambridge could be improved. They would like to collect information from as many staff as possible. Staff who complete the survey will have a chance to be entered into a prize draw to win £150. The survey should take approximately 20 minutes to complete and the information supplied will be kept confidential.

### Bicycle Repair Stations in the University

The University has provided a number of unattended bicycle repair stations with equipment such as a track pump, screwdrivers, spanners etc. There is also a public bicycle repair station near the west entrance to Cambridge Guildhall. Locations of these repair stations can be found [here](#).

### Cambridge Green Impact Initiative launch

The launch for this year's Cambridge Green Impact initiative takes place on *Wednesday 25<sup>th</sup> October at 12.00noon* in *St Catharine's College*. The Green Impact environmental accreditation scheme is open to all University of Cambridge staff and students, and provides support for those who wish to improve the environmental and sustainability performance of their places of work and study. Details on how to register for this event can be found [here](#).

## Clocks go back & Cycle Safety

Clocks go back one hour *Sunday 29<sup>th</sup> October*. With darker mornings and evenings do make sure you have cycle lights and reflective clothing when cycling.



## Footpath closure – Burrells Walk

23<sup>rd</sup> - 27<sup>th</sup> October 2017

We have received notification that Cambridgeshire County Council will be temporarily closing Burrells Walk and Footpath 58, which lies between Queens Road and Grange Road as they will be resurfacing the path during these dates.

## Old newspapers needed for hedgehogs

Claire Chamberlain, one of the Facilities team, is currently volunteering at the [Shepreth Hedgehog Hospital](#) and has put out a request for old newspapers that can be used as bedding for hedgehogs in the hospital. If you have any old newspapers to donate please leave them in the Perspex box, which is alongside the Green Impact Noticeboard in the Central Core.



## The Cambridge Green Challenge – Going for Gold!

Following the CMS success in getting a Bronze and Silver Green Challenge Awards last academic year we are working towards achieving a Gold Green Challenge Award this year. Events like the one hosted at the recent Part III Induction session will be taking place throughout the year.

