

EASTER TERM

13th April

The CSAR Debate:

"This House believes that the Government should fund discovery of new antibiotics, and control their distribution and use"

27th April

New developments in Machine Intelligence

Microsoft Machine Learning
and Perception

Professor Chris Bishop

Microsoft Research, Cambridge

11th May

Dragonfly Wings:

A model evolutionary system

Dr Robin Wootton

University of Exeter

1st June

Finding Patterns in Genes and Proteins Dr Sarah Teichmann

Sanger Institute / EMBL

3rd June

CSAR Visit (Members only) Babraham Research Campus

Laboratory and scientific service facilities

Continued over/

8th June

Making Shale Oil and Gas Production Safer and More Efficient Professor Andrew R Barron

Materials Science, Rice University

15th June

Gallium Nitride LEDs

How they can save energy, purify water, improve
our health (and be made here in the UK)

Professor Sir Colin Humphreys

Director of Research, Dept. Materials
Science & Metallurgy, Cambridge

Objectives of the Society

The CSAR exists to encourage the advancement
of education through the promotion and
presentation of research, the provision of
educational lectures and visits, and to encourage
the appreciation and application of research.

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Cambridge Society for the Application of Research

Programme for the Academic Year

2014-2015

CSAR COUNCIL

Sir David Wallace FRS:	President
<i>(David Adamson):</i>	<i>President until AGM)</i>
David Adamson:	Vice President (elect)
Dr Ilesh Bidd:	Secretary to Council
Mr Robin Bligh:	Honorary Treasurer
Mr Rod Kirkby:	Organising Secretary
Mr John Grieve:	Visits Organiser
Mrs Jane Baker:	Bursaries/Outreach
Mr Barry Thompson:	Membership/Subscriptions
Dr Nigel Bennée:	Webmaster
Dr Richard Freeman:	
Mrs Elizabeth Platts:	
Dr Richard Jennings:	
Dr Valerie Anderson:	
Dr Peter Forster:	

and: The President of BlueSci

The Larmor Lecture

Monday 13th October

The Computational Universe
Professor Leslie Valiant FRS
 Harvard University

(This lecture is held jointly with the Cambridge Philosophical Society. It will take place in the **Bristol-Meyers Squibb** lecture theatre in the Department of Chemistry, and commence at 6pm)

The CSAR Lectures:

CSAR lectures and debates start at 7:30 pm
 They will take place in the Wolfson Lecture Theatre Churchill College Storey's Way Cambridge CB3 0DS

Coffee and biscuits are served beforehand at Churchill College from 7pm, in the foyer outside the theatre.

The CSAR Lectures are open to all; CSAR members are admitted free. Non-members are asked to pay a nominal entry fee of £3.00.

Pupils and students can register for free membership at the lecture reception desk.

CSAR Visits

These are restricted to CSAR Members (numbers are limited)

Michaelmas Term, 2014

Monday 20th October

The 'Festival of Ideas' Debate:
Learning to Remember:
 How should we teach History?

Monday 3rd November

Human Metabolic Disease:
 Lessons from the Extremes
Professor Sir Stephen O'Rahilly
 Clinical Biochemistry,
 University of Cambridge

6th November (pm)

CSAR Visit (Members only)
The Technology Partnership,
Technology and Product Development;
 (This firm is employee-owned)

Monday 17th November

The Living Time Machine
 Non-verbal intelligence
Professor Nicky Clayton, FRS*
 and **Clive Wilkins**
 *Dept. Psychology, University of Cambridge

1st December

Building a Climate System
Laboratory
 Modelling the climate system
Professor Dame Julia Slingo, DBE
 Chief Scientist, UK Met Office

15th December

Prospects and Obstacles affecting Cell
Replacement in Humans
Professor Sir John Gurdon
 Dept. Zoology,
 University of Cambridge

Lent Term, 2015

19th January

Innovation in Practice
Professor Andy Hopper
 Computer Laboratory, University of Cambridge

2nd February

Ripping up the Rule Book in
Formula One
Professor Tony Purnell
 Systems Design, Royal Academy of Engineering

16th February

Some of my Accidents
Professor Stephen Richardson
 Chemical Engineering, Imperial College

2nd March

Flying 300 underwater Planes and
other Oil Industry Innovations
Dr Simon Bittleston
 Vice President Research, Schlumberger

Wednesday 4th March

CSAR Visit (Members only)
Carl Zeiss
 Microscope and medical optics
 design and manufacture

16th March

Meet the Authors
NB Venue: Mill Lane Lecture Theatre

In association with the **Cambridge Science Festival**, three authors will talk about their new books, and be available for discussions afterwards. Their books and others will be available for purchase.

Continued over/