

# CSAR

## Cambridge Society for the Application of Research

CSAR is interested in the **Application of Research broadly interpreted, and was founded in 1963/4 to connect people working in the university to those working in industry.**

Members are now a mix of people, from students and researchers to entrepreneurs and business professionals, from a wide range of backgrounds both in academia and industry. We organise talks and visits and make time around these for conversation - they are excellent opportunities to network, to make new friends and to expand horizons. Before talks attendees can use the college canteen for dinner (from 17:45) and, after talks, the bar (both accept cash) and are usually joined by the speaker at both providing a great chance for everyone to meet and discuss with great minds. Recent notable speakers include Dr Hermann Hauser Co-Founder & Partner of Amadeus Capital Partners, Professor Monica Grady Professor of Planetary and Space Science, Professor Dame Julia Slingo DBE, Chief Scientist, UK Met. Office, Professor Sir John Gurdon, Dept. Zoology, University of Cambridge, Dr Gerard Lyons, Economic Adviser to the Mayor of London.

Lectures start at 7:30 pm (coffee and biscuits are available free from 7pm) and take place in the Wolfson Lecture Theatre of Churchill College (Storey's Way, Cambridge CB3 0DS).

Lectures are open to all: CSAR members are admitted free (see website for membership details); a donation of £3 is requested from non-members, though students may apply for free membership.

Visits - CSAR members only - usually cost £10.

**CSAR, % Churchill College,  
Storey's Way,  
Cambridge, CB3 0DS.  
[www.csar.org.uk](http://www.csar.org.uk)**



### 2016-2017 LECTURES:

**17<sup>th</sup> October**  
**OK Computer – teaching machines to write music**

Ed Newton-Rex,  
Founder & CEO at  
Jukedeck

**24<sup>th</sup> October**  
(6pm Bristol-Myers-Squibb  
Lecture Theatre)

**Nanostructured steel: the challenge of manufacture**

Professor Sir Harry  
Bhadeshia, FRS FREng  
FNAE

**31<sup>st</sup> October**  
**What shapes the human immune system?**

Dr Michelle  
Linterman

**14<sup>th</sup> November**  
**Big Data in Biology: challenges and opportunities for healthcare and research**

Dr Ewan Birney FRS  
FMedSci

**28<sup>th</sup> November**  
**Leonardo, Rapunzel and the physics of hair**

Professor Raymond  
Goldstein FRS FInstP

**9<sup>th</sup> January**  
**Manufacturing – the vital capability for effective innovation**

Professor Sir Mike  
Gregory CBE FrEng

**23<sup>rd</sup> January**  
**Creating and erasing memories with epigenetics**

Professor Wolf Reik  
FRS FMedSci

**6<sup>th</sup> February**  
**Black Holes at Work**

Professor Andy  
Fabian OBE FRS

**20<sup>th</sup> February**  
**Citizens, Science and Science for Citizens**

Professor Dame  
Athene Donald DBE  
FRS

**6<sup>th</sup> March**  
**A trick of the light? Development, function and evolution of plant nanostructures that influence animal behaviour**

Professor Beverley  
Glover FLS

**20<sup>th</sup> March**  
**Towards General Artificial Intelligence**

Dr Demis Hassabis  
VPEng Google  
DeepMind

**24<sup>th</sup> April**  
**Meet the Authors**

**8<sup>th</sup> May**  
**Architecture for resilience – surviving earthquakes, tornadoes, fire and floods**

Dr Emily So

**22<sup>nd</sup> May**  
**Debate: This house believes that Artificial Intelligence /Robotics will make us happy**

**5<sup>th</sup> June**  
**The world in 2050 – Human extinction risks**

Lord Martin Rees  
OM FRS FREng FMedSci

**19<sup>th</sup> June**  
**Mutational processes in the human genome**

Dr Serena Nik-  
Zainal

### VISITS:

**Monday 16<sup>th</sup> January (afternoon)**

**Airbus Defence & Space, Stevenage**

**Thursday 1<sup>st</sup> June (morning)**

**NIAB, MacLeod Complex, Cambridge**