



# Winter 2018

Lectures start at 7:30pm

The Wolfson Hall, Churchill College, Storey's Way, Cambridge CB3 0DS (except 19 February and 5 March)



22 January 2018

## ***Building World Class Life Science Businesses – The Good, The Bad and The Ugly***

**Dr. Jonathan Milner, Deputy Chairman, Abcam plc**

Jonathan Milner, co-founder of Abcam, offers a masterclass in building successful life science start-ups, based on his experience with over 40 companies and three Tech IPOs on the London AIM Stock Exchange.

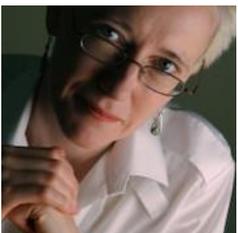


5 February 2018

## ***Enhancing the Brain and Wellbeing in Health and Disease***

**Prof. Barbara J. Sahakian, University of Cambridge**

How more effective treatments are being developed through an understanding of the neural basis of cognitive, emotional and behavioural dysfunction



19 February 2018

## ***Epigenetics - Why DNA Is Not Your Destiny***

**Dr Nessa Carey, Imperial College, London**

How a complex web of chemical changes can have profound effects on gene expression and life itself  
*Sackler Lecture Theatre, Institute of Astronomy, Madingley Road, Cambridge, CB3 0HA*



5 March 2018

## ***Knotted DNA: Mathematical Models and Biological Consequences***

**Prof. Dorothy Buck, University of Bath, University of Bath**

How the mysteries of knot theory, when applied to DNA, are helping to create drugs that inhibit cancer cell replication.

*Sackler Lecture Theatre, Institute of Astronomy, Madingley Road, Cambridge, CB3 0HA*



19 March 2018

## ***Metamaterials and the Science of Invisibility***

**Prof. Sir John Pendry, Imperial College, London**

Recently created Metamaterials are proving to be a disruptive technology where their ability to control the trajectory of light promises improved telecommunications, solar energy harvesting, stealth, biological imaging and sensing, and medical diagnostics.



## ATTENDING LECTURES

- **CSAR lectures are open** to members and, if space allows, to non-members who have registered with CSAR. Please see how you can join or register online at [csar.org.uk](http://csar.org.uk). We encourage you to do this in advance, as it may not be possible to do so at the desk on busy evenings.
- **Lectures start** at 7:30pm, and tea, coffee and biscuits are available free from when the doors open at 6:30pm.
- **Lectures are usually held in the Wolfson Hall in Churchill College**, Storey's Way, Cambridge, CB3 0DS.
- **On 19 Feb and 5 March 2018** the venue is Sackler Lecture Theatre, Institute of Astronomy, Madingley Road, Cambridge, CB3 0HA. Please check the individual lecture listing which have Google map directions.

*If the lecture is in the Wolfson Hall, then the following apply*

- **Car parking** for those attending a CSAR lecture is available in the Staff Car Park on Churchill Road, which is off Storey's Way. There is more parking further along Churchill Road, and in the Möller Centre at the far end.
- **Bicycle parking** is available in front of Churchill College.
- **Dining for those attending the lecture** is available in the Churchill College dining hall before the lecture. This canteen is self-service and you can pay with cash. The dining hall is open between 5:45pm and 7:15pm. The food servery is at the back of the dining hall with the servery entrance on the far left (as viewed from the dining hall doors), the servery exit and tills are on the far right. A table is set for CSAR so that attendees can join other members and the speaker for dinner. The table usually has a large sign with the CSAR logo. Several places in the centre of the table are reserved for the speaker, president and invited guests but lecture attendees are welcome to join either side.
- **Coffee and biscuits** are available before the lecture – but please remember to check in at the CSAR reception desk first.
- **The buttery** (college bar) is also open throughout the evening for light refreshments (including coffees and pizzas).
- **Hearing induction loop** is available in the Wolfson Hall
- **Certificates for Continuing Professional Development (CPD)** are available to show you have attended the lecture – please ask a council member on the reception desk to request one.
- **After the lecture** members usually join the speaker for a drink at the bar and attendees are encouraged to join us – the cash bar serves a range of snacks and drinks, including excellent hot chocolate



CSAR is grateful to the Royal Commission for the Exhibition of 1851 for its support