

U3A Explores Science at the Ri



Monday 23 March 2015 at the Royal Institution of Great Britain,
21 Albemarle Street, London W1

Programme

- 1.30pm Audience arrives
- 2.00pm Introduction by Barbara Lewis, (Chairman of The Third Age Trust), who will act as chair for the afternoon
- 2.05pm **David Hone – Social behaviour in the dinosaurs - evidence from Mongolia**
Piecing together the behaviour of long extinct groups is naturally very difficult to reconstruct but can be done with care. New fossils from the Gobi deserts of Mongolia are helping us work out how these animals lived and died together.
- 2.40pm Question and answer session (10 minutes).
- 2.50pm **Nessa Carey – Epigenetics - why your DNA is not your destiny?**
DNA is a vitally important starting point for life, but it is how it is used by cells and organisms that is really important. Epigenetics is a rapidly moving field that has transformed our understanding of how one set of genes can create the masterpiece that is each of us. It is also leading scientists into unexpected and exciting areas such as new ways to treat disease, understand drug addiction or unravel the lifelong consequences of early childhood trauma.
- 3.25pm Question and answer session (10 minutes).
- 3.35pm Tea and coffee (35 minutes).
- 4.10pm **Jon Butterworth – Smashing physics**
The discovery of the Higgs boson was the culmination of the largest scientific experiment ever performed, the ATLAS and CMS experiments at CERN's Large Hadron Collider. But what really is a Higgs boson and what does it do? How was it found? And how has its discovery changed our understanding of the fundamental laws of nature? Leading CERN physicist Jon Butterworth gives his inside account of the hunt for the Higgs.
- 4.45pm Question and answer session.
- 4.55pm Close of meeting.

Places are limited. Admission is by ticket only at £20 each including refreshments.
We cannot give refunds but may be able to offer your ticket to any waiting list if you are unable to attend.

Applications can be sent immediately. Tickets will be sent out from January.

Please apply in writing to:

The Third Age Trust, 19 East Street, Bromley, Kent BR1 1QE enclosing a 2nd class stamp for up to 4 tickets or a large letter stamp if you require more (maximum 15 tickets per applicant) and a cheque made payable to The Third Age Trust.

Please note the order of speakers has not yet been confirmed.