

## The Brain Prize Cavalcade – the first five years

Saturday 2 July 2016

14:00 – 16:00

The Grete Lundbeck European Brain Research Prize – ‘The Brain Prize’ – is awarded to one or more scientists who have distinguished themselves by an outstanding contribution to European neuroscience and who are still active in research. The Brain Prize has been awarded annually since 2011 and this year was awarded for the sixth time. This event highlights and celebrates the first five years of The Brain Prize. One representative from each prize year will provide the audience with an overview of the prize-winning research from that year. Thus, this series of concise scientific lectures covers the following topics:

- I. The functional organisation of neuronal circuits in the hippocampus;
- II. Genetic regulation of the development and functioning of the ear
- III. The invention and refinement of optogenetics
- IV. Higher brain mechanisms underpinning such complex functions as literacy, numeracy, motivated behaviour and social cognition and v) the invention, refinement and use of two-photon microscopy.

### Chaired by:

**Sir Colin Blakemore**, University of London, Centre for the Study of the Senses, School of Advanced Study, London, UK

### Speakers:

**Gyuri Buzsaki** (2011 Winner) NYU Neuroscience Institute, New York University, New York, USA  
*‘Why do we need so many neurons?’*

**Christine Petit** (2012 Winner) Institut Pasteur, Paris, France  
*‘The overlooked side of deafness genes: reappraising hearing therapies’*

2013 Winner – **Karl Deisseroth**, Stanford University, Howard Hughes Institute, Stanford, USA  
*‘Optogenetics: illuminating the workings of the brain’*

2014 Winner – **Giacomo Rizzolatti**, University of Parma, Parma, IT  
*‘Cognitive Neuroscience: Progress and Problems’*

2015 Winner – **Winfried Denk**, Max Planck Institute of Neurobiology, Martinsried, DE  
*‘Towards the circuit diagram of an entire mouse brain’*