

DUNEDIN

BOOKINGS ESSENTIAL

FREE PUBLIC LECTURE

BRAIN RESEARCH NEW ZEALAND AND THE NEUROLOGICAL FOUNDATION
ARE THRILLED TO PRESENT A FREE PUBLIC LECTURE:

CAN ELECTRICAL STIMULATION HARNESS THE NATURAL POWER OF THE HUMAN BRAIN?



PROFESSOR JOHN ROTHWELL

*Professor of Human Neurophysiology
Institute of Neurology
University College London*

The brain is an electrically excitable organ. Stimulation of the brain therefore, is an exciting technique being used by researchers working hard to find treatments for neurological disorders such as Parkinson's disease, stroke and Tourette's Syndrome, and psychological disorders like depression. The reigning hypothesis is that clever new stimulation technologies may be able to change the excitability of neurons in specific brain regions to fire more – or less – so that functions such as cognition, movement or memory may be restored or improved.

Visiting Professor John Rothwell is a world-renowned leader in human movement function research and non-invasive brain stimulation techniques for enhancing brain function in neurological disorders. He has over 400 peer-reviewed publications, and is credited with pioneering the use of Transcranial Magnetic Stimulation as a research tool for human physiology. He remains a world leader in this area, and will visit New Zealand to engage with our brain research leaders.

In this lecture, Professor Rothwell will discuss the cutting-edge stimulation and scanning techniques progressing brain research into the future, and outline the findings of his own exciting research into how stimulation can enhance the natural plasticity of the brain as a therapeutic tool.

WEDNESDAY, 03 FEBRUARY 2016

5:00pm – 6:00pm followed by a Q&A session.
Hutton Theatre, Otago Museum, 419 Great King Street
Dunedin, New Zealand

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Register your booking at <https://rothwell-lecture.eventbrite.co.nz>

Seats will go quickly: book early!



For further information, please phone 0508 BRAINS (0508 272 467) or email admin@neurological.org.nz