



The Richard Doll Seminars
in Public Health and Epidemiology

Professor Stephen Smith

*The Oxford University Centre for
Functional Magnetic Resonance
Imaging of the Brain*

“What information
is in ‘Big Data’ brain imaging?”

Tuesday 2nd Feb 2016
1-2 pm

Lecture Theatre, Richard Doll Bldg, Old Road Campus

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All welcome

Stephen Smith *DPhil CEng MIEE*

University Professor of Biomedical
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Steve Smith is Professor of Biomedical Engineering and head of the Analysis Group at *The Oxford University Centre for Functional Magnetic Resonance Imaging of the Brain* (FMRIB). The Analysis Group, which he started in 1997, now comprises about 30 research fellows, postdocs, students and support staff, carrying out functional and structural brain image analysis and statistics research. The group has produced the brain image analysis software package FSL (FMRIB Software Library) which is widely used in many laboratories across the world.

Recent personal research has concentrated on resting state networks, showing that these correspond closely to explicit functional networks as seen in task FMRI, showing new networks on the basis of distinct temporal dynamics, and most recently relating functional networks to behaviour and lifestyle. Currently, the FMRIB Analysis Group is playing a major role in the Human Connectome Project, UK Biobank Imaging, and the Developing Human Connectome Project.

Professor Smith has been Chair of the *Organization for Human Brain Mapping* in 2013 to 2014, and is a Senior Editor of the journal *NeuroImage*.