

Biographie de Richard S.J. Frackowiak

Born on 26th March 1950

DEGREES

BA (Cantab) 1971

BChir (Cantab) 1974

MB, MA (Cantab) 1975

MD (Cantab) 1983

DSc (Lond) 1996

Docteur honoris causa (Liege) 1999

PROFESSIONAL CREDENTIALS

FRCP (London) 1987

FMedSci (Founding fellow) 1998

- Professor of Cognitive Neurology, Institute of Neurology and Vice-Provost University College London
- Directeur, département d'études cognitives, Ecole Normale Supérieure, Paris
- Honourary Director, Neuroimaging Laboratory, IRCCS Fondazione Santa Lucia, Rome

- Assistant Director, MRC Cyclotron Unit, London
- Professor & Head of Department, Wellcome Department of Imaging Neuroscience and Director, Leopold Muller Functional Imaging Laboratory, London
- Wellcome Trust Principal Clinical Research Fellow
- Dean & Director, Institute of Neurology, UCL

- Past president British Neuroscience Association
- President European Brain & Behaviour Society
- Current Opinion in Neurology, Editor-in-Chief
- Neurolmage: a Journal of Brain Function, Editor-in-Chief
- Chairman, Neuroscience, Psychiatry & Neurology Grant Board, ANR France

- Klaus Joachim Zulch Prize, Reemtsma Foundation & Max Planck Society (with NK Logothetis)
- Fondation Ipsen Prize (with A Damasio & M Merzenich)
- Wilhelm Feldberg Foundation Prize

PUBLICATIONS & BIBLIOMETRICS

My research interest is the functional and structural architecture of the human brain in health and disease. I have pioneered new methods using non-invasive brain imaging methods, notably positron emission tomography and magnetic resonance imaging. My particular focus has been on plasticity and mechanisms for functional recuperation after brain injury. More recently I have studied early diagnosis of neurodegeneration and gene-environment interactions in degenerative brain disease. I have published over 500 well-cited, peer-reviewed articles in the highest impact journals between 1978-2008 including 4 in *Science* and 11 in *Nature* with others in *Brain*, *Neuron*, the *Annals of Neurology*, *Nature Neuroscience*, the *Journal of Neuroscience* among others. My H-index is 126, averaging 92.5 citations per paper, with over 50,000 citations overall.

Sample papers

Good CD, Johnsrude IS, Ashburner J, Henson RNA, Friston KJ, **Frackowiak RSJ**. (2001) A voxel-based morphometric study of ageing in 465 normal adult human brains. *NeuroImage* **14**, 21-36.

Good CD, Scahill RI, Fox NC, Ashburner J, Friston KJ, Chan D, Crum WR, Rossor MN, **Frackowiak RSJ**. (2002) Automatic differentiation of anatomical patterns in the human brain: validation with studies of degenerative dementias. *NeuroImage* **17**, 29-46.

Thieben MJ, Duggins AJ, Good CD, Gomes L, Mahant N, Richards F, McCusker E, **Frackowiak RSJ**. (2002) The distribution of structural neuropathology in pre-clinical Huntington's disease. *Brain* **125**, 1815-1828.

Ward NS, Brown MM, Thompson AJ, **Frackowiak RSJ**. (2003) Neural correlates of motor recovery after stroke: a cross-sectional fMRI study. *Brain* **126**, 1430-1448.

Ward NS, Brown MM, Thompson AJ, **Frackowiak RSJ**. (2003) Neural correlates of recovery after stroke: a longitudinal fMRI study. *Brain* **126**: 2476-2496.

Seymour B, O'Doherty JP, Dayan P, Koltzenburg M, Jones AK, Dolan RJ, Friston KJ, **Frackowiak RSJ**. (2004) Temporal difference models describe higher order learning in humans. *Nature* **429**, 664-667.

Automatic classification of MR scans in Alzheimers disease (2008) Kloppel S, Stonnington CM, Chu C, Draganski B, Scahill RI, Rohrer JD, Fox NC, Jack CR, Ashburner J, **Frackowiak RSJ**. *Brain* **131**, 681-689.

Rounis E, Stephan KE, Lee L, Siebner HR, Pesenti A, Friston KJ, Rothwell JC, **Frackowiak RSJ** (2006) Acute changes in frontoparietal activity after repetitive transcranial magnetic stimulation over the dorsolateral prefrontal cortex in a cued reaction time task. *J. Neurosci.* **26**, 9629-9638.

Giraud AL, Kleinschmidt A, Poeppel D, Lund TE, **Frackowiak RSJ**, Laufs H. (2008) Endogenous cortical rhythms determine cerebral specialization for speech perception and production. *Neuron*. **56**, 1127-1134.

Draganski B, Kherif F, Klöppel S, Cook PA, Alexander DC, Parker GJ, Deichmann R, Ashburner J, **Frackowiak RSJ**. (2008) Evidence for segregated and integrative connectivity patterns in the human Basal Ganglia. *J. Neurosci*. **28**: 7143-7452.