

CURRICULUM VITAE – [David L THOMAS](#), PhD

NAME	POSITION TITLE
David L THOMAS	Principal Research Associate, Leonard Wolfson Experimental Neurology Centre, UCL Institute of Neurology, Queen Square, London, UK

Education/Training

1999: PhD in Magnetic Resonance Imaging, University College London, UK
1995: BSc in Physics (1st Class Hon), Imperial College London, UK

Positions

2014 – date: Principal Research Associate in MR Physics, Leonard Wolfson Experimental Neurology Centre, UCL Institute of Neurology, London, UK
2010 – 2013: Senior Lecturer in MR Physics, Department of Brain Repair and Rehabilitation, UCL Institute of Neurology, London, UK
2005 – 2010: Wellcome Trust Senior Research Fellow, Department of Medical Physics, UCL, London, UK
2000 – 2005: Senior Research Fellow, Wellcome Trust High Field MR Research Laboratory, Department of Medical Physics, UCL, London, UK
1999: Research Fellow, Radiology and Physics Unit, UCL Institute of Child Health, London, UK

Top 5 Research Support

- 2005–09: DL Thomas. Wellcome Trust Research Career Development Fellowship (£467,533) **Implementation, Development and Application of Magnetic Resonance Arterial Spin Labelling Methods for the Non-Invasive Measurement of Cerebral Blood Flow in the Human and Animal Brain**
- 2007–11: CP Randell and DL Thomas. MRC Industrial Collaborative Studentship (£59,106) **Design and Construction of a Transmit Array Arterial Spin Labelling Coil for Non-invasive Human Brain CBF Measurement using MRI**
- 2011–14: CAM Wheeler-Kingshott, DC Alexander, O Ciccarelli and DL Thomas. EPSRC Healthcare Partnership (£815,568) **Axon and Myelin Damage Assessed using Advanced Diffusion Imaging: From Mathematical Models to Clinical Applications**
- 2012: X Golay and DL Thomas. UCL SLMS Capital Equipment Award (£99,000) **Funding to purchase a range of RF coils for the pre-clinical 9.4T scanner**
- 2013-15: K Smith, M Duchen, I Tachtsidis, DL Thomas, A Dyson and T Leung. MS Society Project Grant (£237,878) **Deciphering the causes of hypoxia in the inflamed CNS**

Top 5 Relevant Publications (last 5 years)

- JA Wells, ..., DL Thomas. Measuring biexponential transverse relaxation of the ASL signal at 9.4T to estimate arterial oxygen saturation and the time of exchange of labeled blood water into cortical brain tissue. *J. Cereb. Blood Flow Metab.* 33, 215-224 (2013)
- S Walker-Samuel, ..., DL Thomas, ..., X Golay. In vivo imaging of glucose uptake and metabolism in tumors. *Nat Med* 19(8): 1067-72 (2013)
- O Ciccarelli, DL Thomas, *et al.* Low myo-inositol indicating astrocytic damage in a case series of NMO. *Annals of Neurology* 74:301-305 (2013)
- M Vidorreta, ..., DL Thomas, ..., MA Fernández-Seara. Whole-brain high-resolution arterial spin labeling at 3T using segmented 3D acquisition schemes. *NMR Biomed.* 27(11):1387-96 (2014)
- JD Rohrer, ..., DL Thomas, E De Vita *et al.* Presymptomatic cognitive and neuroanatomical changes in genetic frontotemporal dementia in the GENFI study: cross-sectional analysis of baseline data. *Lancet Neurology* 14(3): 253-262 (2015)