

Brief Curriculum Vitae

Peter Jezzard, PhD

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Education

1984-1987: B.Sc. (Hons, 1st class), Physics, University of Manchester, England
1987-1991: Ph.D., MRI Physics, University of Cambridge, England (Supervisor: Prof. L.D. Hall)

Post Doctoral Training

1991-1995: Laboratory of Cardiac Energetics, NHLBI, National Institutes of Health, USA (Lab Chief
Dr R.S. Balaban, Supervisor, Dr R. Turner)

Academic Appointments

1995-1997: Chief, Unit on MRI Physics, Laboratory of Brain and Cognition, NIMH, National
Institutes of Health, USA (Lab Chief, Dr L.G. Ungerleider)
1997-2003: Head of Magnetic Resonance Physics, Oxford Centre for Functional Magnetic Resonance
Imaging of the Brain, Department of Clinical Neurology, University of Oxford
1998-2003: MRC External Scientific Staff, seconded to: Oxford Centre for Functional Magnetic
Resonance Imaging of the Brain, Department of Clinical Neurology, University of Oxford
2000-2003: Research Fellow, Wolfson College, Oxford
2003-present: Herbert Dunhill Professor of Neuroimaging, Department of Clinical Neurology (now
Nuffield Department of Clinical Neurosciences), University of Oxford
2003-2014: Co-Director and Methods Director, Oxford Centre for Clinical Magnetic Resonance
Research, University of Oxford
2003-present: Fellow, University College, Oxford
2010-present: Head of Neuroimaging, Oxford Acute Vascular Imaging Centre
2014-present: Director, EPSRC and MRC Centre for Doctoral Training in Biomedical Imaging
(collaboration between the universities of Oxford and Nottingham)

Memberships

Institute of Physics, UK (Fellow)
International Society of Magnetic Resonance in Medicine (Fellow)
Executive Committee (2011-2015) [President 2013-2014]
Scientific Program Committee (2000, 2001, 2002 meetings)
Annual Meeting Program Committee (2012, 2013, 2014 meetings)
Education Committee (2002-2005)
Board of Trustees (2002-2005, 2011-2015)
Publications Committee (Chair 2003-2005)
Secretary, High Field Systems and Applications Study Group, 2001-2003
Chair, High Field Systems and Applications Study Group, 2003-2004, 2011-2012
Chair, Search Committee for Magnetic Resonance in Medicine Editor, 2004
Program Director, Brain Function Study Group 2006-2008
International Society for Magnetic Resonance in Medicine, British Chapter
Committee Member (2001-2006)
Chair, Local Organizing Committee, Oxford (2005)

Journal Editorial Activities

Journal of Magnetic Resonance (Editorial Board 2003-2010)
Human Brain Mapping (Editorial Board 2004-, Associate Editor 2004-2010)
Magnetic Resonance in Medicine (Editorial Board 2005-, Deputy Editor, 2010-)

Journal of Magnetic Resonance Imaging (Guest Editor, Special Issue on "Clinical Potential of Brain Mapping Using MRI", June 2006)

Journal of Magnetic Resonance Imaging (Editorial Board 2007-2013, Deputy Editor 2009-2013)

NMR in Biomedicine (Editorial Board, 2016-, Editor for Special Issues and Review Articles 2016-)

Example Recent Publications (of 190+ total)

T.W. Okell, M.A. Chappell, U. Schulz and P. Jezzard, "A Kinetic Model for Vessel-Encoded Dynamic Angiography with Arterial Spin Labeling", *Magnetic Resonance in Medicine*, **68**, 969-979 (2012)

L. Li, K.L. Miller and P. Jezzard, "DANTE Prepared Pulse Trains: A Novel Approach to Motion Sensitized and Motion Suppressed Quantitative Magnetic Resonance Imaging", *Magnetic Resonance in Medicine*, **68**, 1423-1438 (2012)

M.A. Chappell, T.W. Okell, S.J. Payne, P. Jezzard and M.W. Woolrich, "A Fast Analysis Method for Non-Invasive Imaging of Blood Flow in Individual Cerebral Arteries using Vessel-Encoded Arterial Spin Labelling Angiography", *Medical Image Analysis*, **16**, 831-839, (2012)

B.J. MacIntosh, L. Marquardt, U. Schulz, P. Jezzard and P.M. Rothwell, "Haemodynamic Alterations in Vertebrobasilar Large Vessel Disease as Assessed by Arterial Spin Labeling Magnetic Resonance Imaging", *American Journal of Neuroradiology*, **33**, 1939-1944 (2012)

J.A. Meakin and P. Jezzard, "An Optimized Velocity-Selective Arterial Spin Labeling Module with Reduced Eddy Current Sensitivity for Improved Perfusion Quantification", *Magnetic Resonance in Medicine*, **69**, 832-838 (2013)

M.A. Chappell, M.J. Donahue, Y.K. Tee, A.A. Khrapitchev, N.R. Sibson, P. Jezzard and S.J. Payne, "Quantitative Bayesian Model-Based Analysis of Amide Proton Transfer MRI", *Magnetic Resonance in Medicine*, **70**, 566-567, (2013)

T.W. Okell, M.A. Chappell and P. Jezzard. "A Theoretical Framework for Quantifying Blood Volume Flow Rate from Dynamic Angiographic Data and Application to Vessel-Encoded Arterial Spin Labeling MRI", *Medical Image Analysis*, **17**, 1025-1036 (2013)

T.W. Okell, M.A. Chappell, M.E. Kelly and P. Jezzard. "Cerebral Blood Flow Quantification using Vessel-Encoded Arterial Spin Labeling", *Journal of Cerebral Blood Flow and Metabolism*, **33**, 1716-1724 (2013)

R.H. Tjissen, M. Jenkinson, J.C.W. Brookes, P. Jezzard and K.L. Miller, "Optimizing RetroICor and RetroKCor Corrections for Multi-Shot 3D fMRI Acquisitions", *NeuroImage*, **84**, 394-405 (2014)

L. Li, J.Y. Chai, L. Biasioli, M.D. Robson, R.P. Choudhury, A.I. Handa, J. Near and P. Jezzard, "Black-Blood Multi-Contrast Imaging of Carotid Arteries Using DANTE-Prepared 2D and 3D MRI", *Radiology*, **273**, 560-569 (2014)

A.G. Gardener and P. Jezzard, "Investigating White Matter Perfusion Using Optimal Sampling Strategy Arterial Spin Labeling at 7 Tesla", *Magnetic Resonance in Medicine*, **73**, 2243-2248 (2014)

E.S. Berry, P. Jezzard and T.W. Okell, "An Optimized Encoding Scheme for Planning Vessel-Encoded Pseudocontinuous Arterial Spin Labeling", *Magnetic Resonance in Medicine*, **74**, 1248-1256 (2015)

R. Frost, A.T. Hess, T.W. Okell, M.A. Chappell, M.D. Tisdall, A.J.W. van der Kouwe and P. Jezzard. "Prospective Motion Correction and Selective Reacquisition using Volumetric Navigators for Vessel-Encoded Arterial Spin Labelling Dynamic Angiography", *Magnetic Resonance in Medicine*, **76**, 1420-1430 (2016)

T.W. Okell, P. Schmitt, X. Bi, M.A. Chappell, R.H.N. Tjissen, F. Sheerin, K.L. Miller and P. Jezzard, "Optimization of 4D Vessel-Selective Arterial Spin Labelling Angiography using Balanced Steady-State Free Precession and Vessel-Encoding", *NMR in Biomedicine*, **29**, 776-786 (2016)

O. Viessmann, L. Li, P. Benjamin and P. Jezzard. "T2-Weighted intracranial vessel wall imaging at 7 Tesla using a DANTE-prepared variable flip angle turbo spin echo readout (DANTE-SPACE)." *Magnetic Resonance in Medicine*, **77**, 655-663 (2017)