Curriculum Vitae

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Education

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

Post-Doctoral Training

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

Academic Appointments

- 1995-1997: Chief, Unit on MRI Physics, Laboratory of Brain and Cognition, NIMH, National Institutes of Health, USA (Lab Chief, Dr Leslie 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
- 2003-2015: Co-Director and Methods Director, Oxford Centre for Clinical Magnetic Resonance Research, University of Oxford
- 2003-present: Herbert Dunhill Professor of Neuroimaging, Nuffield Department of Clinical Neurosciences, University of Oxford
- 2003-present: Fellow, University College, Oxford (Dean of Graduates 2011-2018; Vice-Master 2018-)
- 2009-2019: Head of Neuroimaging, Oxford Acute Vascular Imaging Centre, University of Oxford and Oxford University Hospitals NHS Trust
- 2009-2013: Chair, Graduate Studies Committee, Medical Sciences Division, University of Oxford
- 2014-2017: Chair, Graduate Admissions Committee, University of Oxford (also member of Education Committee and Graduate Panel)
- 2014-2025: Director, EPSRC and MRC Centre for Doctoral Training in Biomedical Imaging (joint initiative between the Universities of Oxford and Nottingham)

Papers

1) T.A. Carpenter, L.D. Hall and P. Jezzard, "Proton Magnetic Resonance Imaging of Solid Polymers Using Instrumentation Designed for the Liquid State", Journal of Magnetic Resonance, **84**, 383-387 (1989)

2) A.G. Webb, P. Jezzard, L.D. Hall and S. Ng, "Detection of Inhomogeneities in Rubber Samples Using NMR Imaging", Polymer Communications, **30**, 363-366 (1989)

3) P. Jackson, J.A. Barnes, N.J. Clayden, T.A. Carpenter, L.D. Hall and P. Jezzard, "Defect Detection in Carbon Fibre Composite Structures by Magnetic Resonance Imaging", Journal of Materials Science Letters, **9**, 1165-1168 (1990)

4) P. Jackson, N.J. Clayden, N.J. Walton, T.A. Carpenter, L.D. Hall and P. Jezzard, "Magnetic Resonance Imaging Studies of the Polymerisation of Methyl Methacrylate", Polymer International, **24**, 139-143 (1991)

5) P. Jezzard, T.A. Carpenter, L.D. Hall, P. Jackson and N.J. Clayden, "Simple NMR Imaging of Solid Polymers at Elevated Temperatures", Polymer Communications, **32**, 74-76 (1991)

6) P. Jezzard, C.J. Wiggins, T.A. Carpenter, L.D. Hall, J.A. Barnes, P. Jackson and N.J. Clayden, "Demonstration of Nuclear Magnetic Resonance Imaging for Void Detection in Carbon-Fibre Reinforced Polymer Composites, and Comparison With Ultrasound Methods", Journal of Materials Science, **27**, 6365-6370 (1992)

7) P. Jezzard, T.A. Carpenter, L.D. Hall, N.J. Clayden and P. Jackson, "Temperature Mapping in Solid Polymers Using the Temperature Dependence of NMR Relaxation Times", Journal of Polymer Science: B - Polymer Physics, **30**, 1423-1425 (1992)

8) P. Jezzard, C.J. Wiggins, T.A. Carpenter, L.D. Hall, P. Jackson, N.J. Clayden and N.J. Walton, "Nuclear Magnetic Resonance Imaging of Polymers and Polymer Composites", Advanced Materials, **4**, 82-90 (1992)

9) R. Turner, P. Jezzard, H. Wen, K.K. Kwong, D. LeBihan, T. Zeffiro and R.S. Balaban, "Functional Mapping of the Human Visual Cortex at 4 and 1.5 Tesla using Deoxygenation Contrast EPI" Magnetic Resonance in Medicine, **29**, 277-279 (1993)

10) D. LeBihan R. Turner, T.A. Zeffiro, C.A. Cuenod, P. Jezzard and V. Bonnerot, "Activation of Human Primary Visual Cortex During Visual Recall: A Magnetic Resonance Imaging Study", Proceedings of the National Acadamy of Science, USA, **90**, 11802-11805 (1993)

11) L. Rueckert, I. Appollonio, J. Grafman, P. Jezzard, R. Johnson Jr, D. LeBihan and R. Turner, "Magnetic Resonance Imaging Functional Activation of Left Frontal Cortex During Covert Word Production", Journal of Neuroimaging, **4**, 67-70 (1994)

12) R. Turner and P. Jezzard, "Magnetic Resonance Functional Imaging of the Brain at 4 Tesla", Magnetic Resonance Materials in Physics, Biology and Medicine (MA*GMA), **2**, 147-156 (1994)

13) K. Friston, P. Jezzard and R. Turner, "The Analysis of Functional MRI Time Series", Human Brain Mapping, **1**, 153-171 (1994)

14) P. Jezzard, F. Heineman, J. Taylor, D. DesPres, H. Wen, R.S. Balaban and R. Turner, "Comparison of EPI Gradient-Echo Contrast Changes in Cat Brain Caused by Respiratory Challenges with Direct Simultaneous Evaluation of Cerebral Oxygenation Via a Cranial Window", NMR in Biomedicine, **7**, 35-44 (1994)

15) M. Leonardo, J. Fieldman, N. Sadato, G. Campbell, V. Ibanez, L. Cohen, M.-P. Deiber, P. Jezzard, T. Pons, R. Turner, D. LeBihan and M. Hallett, "A Magnetic Resonance Functional Neuroimaging Study of Cortical Regions Associated with Motor Task Execution and Motor Ideation in Humans", Human Brain Mapping, **3**, 83-92 (1995)

16) K.J. Friston, L.G. Ungerleider, P. Jezzard and R. Turner, "Characterizing Modulatory Interactions Between Areas V1 and V2 in Human Cortex: A New Treatment of Functional MRI Data", Human Brain Mapping, **2**, 211-224 (1995)

17) D. LeBihan, P. Jezzard, J. Haxby, N. Sadato, L. Rueckert and V. Mattay, "Functional Magnetic Resonance Imaging of the Brain", Annals of Internal Medicine, **122**, 296-303 (1995)

18) P. Jezzard and R.S. Balaban, "Correction for Geometric Distortion in Echo Planar Images from B_0 Field Variations", Magnetic Resonance in Medicine, **34**, 65-73 (1995)

19) L. Hertz-Pannier, C.A. Cuenod, S. Posse, P. Jezzard, A. Prinster, R. Turner and D. LeBihan, "Functional Brain Imaging at 1.5 Tesla: Feasibility Study and Comparison Between Conventional Gradient Echo Sequences and Echo-Planar Imaging", Revue d'Imagerie Medicale, **7**, 13-20 (1995)

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21) B.J. Casey, J.D. Cohen, P. Jezzard, R. Turner, D.C. Noll, R.J. Trainor, J. Giedd, D. Kaysen, L. Hertz-Pannier and J.L. Rapoport, "Activation of Prefrontal Cortex in Children During a Non-Spatial Working Memory Task with Functional MRI", NeuroImage, **2**, 221-229 (1995)

22) P. Jezzard, S. Düwell and R.S. Balaban, "MR Relaxation Times in Human Brain: Measurement at 4 T", Radiology, **199**, 773-779 (1996)

23) S. Düwell, S.D. Wolff, H. Wen, R.S. Balaban and P. Jezzard, "MR Imaging Contrast in Human Brain Tissue: Assessment and Optimization at 4 T", Radiology, **199**, 780-786 (1996)

24) J. Pekar, P. Jezzard, D.A. Roberts, J.S. Leigh Jr, J.A. Frank and A.C. McLaughlin, "Perfusion Imaging with Compensation for Asymmetric Magnetization Transfer Effects", Magnetic Resonance in Medicine, **35**, 70-79 (1996)

25) S. Düwell, C.E. Kasserra, P. Jezzard and R.S. Balaban, "Evaluation of Methemoglobin as an Autologous Intravascular MRI Contrast Agent", Magnetic Resonance in Medicine, **35**, 787-789 (1996)

26) P. Jezzard and A.W. Song, "Technical Foundations and Pitfalls of Clinical fMRI", NeuroImage, **4**, S63-S75 (1996)

27) C. Pierpaoli, P. Jezzard, P.J. Basser, A. Barnett and G. Di-Chiro, "Diffusion Tensor MR Imaging of the Human Brain", Radiology, **201**, 637-648 (1996)

28) F.Q. Ye, J.J. Pekar, P. Jezzard, J. Duyn, J.A. Frank and A.C. McLaughlin, "Perfusion Imaging of the Human Brain at 1.5 T Using a Single-Shot EPI Spin Tagging Approach", Magnetic Resonance in Medicine, **36**, 219-224 (1996)

29) P. Jezzard and R. Turner, "Magnetic Resonance Imaging Methods for Study of Human Brain Function and their Application at High Magnetic Field", Computerized Medical Imaging and Graphics, **20**, 467-481 (1996)

30) F.Q. Ye, V.S. Mattay, P. Jezzard, J.A. Frank, D.R. Weinberger and A.C. McLaughlin, "Correction for Vascular Artifacts in Cerebral Blood Flow Values Measured by Using Arterial Spin Tagging Techniques", Magnetic Resonance in Medicine, **37**, 226-235 (1997)

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41) P. Jezzard, "Advances in Perfusion MR Imaging", Radiology, **208**, 296-299 (1998)

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43) S. Clare and P. Jezzard, "Rapid T1 Mapping Using Multislice Echo-Planar Imaging", Magnetic Resonance in Medicine, **45**, 630-634 (2001)

44) M. Alecci, C.M. Collins, M.B. Smith and P. Jezzard, "Radio Frequency Magnetic Field Mapping of a 3 Tesla Birdcage Coil: Experimental and Theoretical Dependence on Sample Properties", Magnetic Resonance in Medicine, **46**, 379-385 (2001)

45) S. Clare, M. Alecci and P. Jezzard, "Compensating for B1 Inhomogeneity using Active Transmit Power Modulation", Magnetic Resonance Imaging, **19**, 1349-1352 (2001)

46) A.J. Newman, D. Bavelier, D. Corina, P. Jezzard and H.J. Neville, "A Critical Period for Right Hemisphere Recruitment in American Sign Language Processing", Nature Neuroscience, **5**, 76-80 (2002)

47) M. Alecci and P. Jezzard, "Characterisation and Reduction of Gradient-Induced Eddy Currents in the RF Shield of a TEM Resonator", Magnetic Resonance in Medicine, **48**, 404-407 (2002)

48) J.L. Wilson, M. Jenkinson, I. de Araujo, M.L. Kringelbach, E.T. Rolls and P. Jezzard, "Fast, Fully Automated Global and Local Magnetic Field Optimization for fMRI of the Human Brain", NeuroImage, **17**, 967-976 (2002)

49) A. Cifelli, M. Arridge, P. Jezzard, M.M. Esiri, J. Palace and P.M. Matthews, "Thalamic Neurodegeneration in Multiple Sclerosis", Annals of Neurology, **52**, 650-653 (2002)

50) M. Weiger, K.P. Pruessmann, R. Osterbauer, P. Boernert, P. Boesiger and P. Jezzard, "Sensitivity Encoded Single-Shot Spiral Imaging for Reduced Susceptibility Artifacts in BOLD fMRI", Magnetic Resonance in Medicine, **48**, 860-866 (2002)

51) J.L. Wilson, M. Jenkinson and P. Jezzard, "Optimisation of Static Field Homogeneity in Human Brain Using Diamagnetic Passive Shims", Magnetic Resonance in Medicine, **48**, 906-914 (2002)

52) M. Alecci, C.M. Collins, J. Wilson, W. Liu, M.B. Smith and P. Jezzard, "Theoretical and Experimental Evaluation of Detached Endcaps for 3 Tesla Birdcage Coils", Magnetic Resonance in Medicine, **49**, 363-370, (2003)

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54) N.P. Davies and P. Jezzard, "Selective Arterial Spin Labelling (SASL): Perfusion Territory Mapping of Selected Feeding Arteries Tagged Using Low-Dimensional Radio-Frequency Pulses", Magnetic Resonance in Medicine, **49**, 1133-42, (2003)

55) M. Wylezinska, A. Cifelli, P. Jezzard, J. Palace, M. Alecci and P.M. Matthews, "Thalamic Neurodegeneration in Relapsing-Remitting Multiple Sclerosis", Neurology, **60**, 1949-1954 (2003)

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57) J.L. Wilson and P. Jezzard, "Utilisation of an Intra-oral Diamagnetic Passive Shim in Functional MRI of the Inferior Frontal Cortex", Magnetic Resonance in Medicine, **50**, 1089-94 (2003)

58) J.T. Devlin, J. Raley, E. Tunbridge, K. Lanary, A. Floyer-Lea, C. Narain, I. Cohen, T. Behrens, P. Jezzard, P.M. Matthews, D.R. Moore, "Functional Asymmetry for Auditory Processing in Human Primary Auditory Cortex", Journal of Neuroscience, **23**, 11516-22 (2003)

59) P.M. Matthews and P. Jezzard, "Functional Magnetic Resonance Imaging", Journal of Neurology,

Neurosurgery and Psychiatry, **75**, 6-12 (2004)

60) Z. Bhagwagar, M. Wylezinska, M. Taylor, P. Jezzard, P.M. Matthews and P.J. Cowen, "Increased Brain GABA Concentrations Following Acute Administration of a Selective Serotonin Reuptake Inhibitor" American Journal of Psychiatry, **161**, 368-70 (2004)

61) R.D. Rogers, N. Ramnani, C. Mackay, J.L. Wilson, P. Jezzard, C.S. Carter and S.M. Smith, "Distinct Portions of Anterior Cingulate Cortex and Medial Prefrontal Cortex are Activated by Reward Processing in Separable Phases of Decision-Making Cognition" Biological Psychiatry, **55**, 594-602 (2004)

62) B.A. Völlm, I.E. de Araujo, P.J. Cowen, E.T. Rolls, M.L. Kringelbach, K.A. Smith, P. Jezzard, R.J. Heal and P.M. Matthews, "Methamphetamine Activates Reward Circuitry in Drug Naïve Human Subjects" Neuropsychopharmocology, **29**, 1715-22 (2004)

63) C.M. Capek, D. Bavelier, D. Corina, A.J. Newman, P. Jezzard and H.J. Neville, "The Cortical Organization of Audio-Visual Sentence Comprehension: An fMRI Study at 4 Tesla", Cognitive Brain Research, **20**, 111-9 (2004)

64) M. Jenkinson, J.L. Wilson and P. Jezzard, "Perturbation Method for Magnetic Field Calculations of Non-Conductive Objects" Magnetic Resonance in Medicine, **52**, 471-7 (2004)

65) N.P. Davies and P. Jezzard, "Calibration of Gradient Propagation Delays for Accurate Two Dimensional Radiofrequency Pulses", Magnetic Resonance in Medicine, **53**, 231-6 (2004)

66) H. Bridge, S. Clare, M. Jenkinson, P. Jezzard, A.J. Parker and P.M. Matthews, "Independent Anatomical and Functional Measures of the V1/V2 Boundary in Human Visual Cortex", Journal of Vision, **5**, 93-102 (2005)

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69) G.D. Iannetti, R.K. Niazy, R.G. Wise, P. Jezzard, J.C.W. Brooks, L. Zambreanu, W. Vennart, P.M. Matthews and I. Tracey. "Simultaneous Recording of Laser-Evoked Brain Potentials and Continuous High-Field Functional Magnetic Resonance Imaging in Humans", NeuroImage, **28**, 708-719 (2005)

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77) P.A. Chiarelli, D.P. Bulte, S.K. Piechnik and P. Jezzard, "Sources of Systematic Bias in Hypercapnia-Calibrated Functional MRI Estimation of Oxygen Metabolism", NeuroImage, **34**, 35-43 (2007)

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in Human Visual, Motor and Supplementary Motor Areas Assessed by Magnetic Resonance Imaging", Magnetic Resonance in Medicine, **57**, 538-547 (2007)

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L. Li and P. Jezzard
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Diffusion-Weighted Magnetic Resonance Imaging Using 3D MOSAIC Segmentation and 3D Navigator Phase Correction
R. Frost, P. Jezzard, K. Miller and D.A. Porter
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Diffusion-Insensitive Velocity Selective Labelling Module for Magnetic Resonance Imaging
J. Meakin and P. Jezzard
(application withdrawn)

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Memberships

Institute of Physics, UK (Fellow, 2007)

International Society for Magnetic Resonance in Medicine (Fellow, 2008)

- Executive Committee (2011-2015)
  - Vice-President-Elect (2011-2012)
  - Vice-President (2012-2013)
  - President (2013-2014)
  - Past-President (2014-2015)
- Scientific Program Committee (2000, 2001, 2002 meetings)
- Annual Meeting Program Committee (2012, 2013 meetings)
- Secretary, High Field Systems and Applications Study Group (2001-2003, 2009-2010)
- Global Development Committee (2002-2003)
- Awards Committee (2002-2005, 2013-2014, 2018-2021)
- Education Committee (2002-2005, 2012-2014)

- Study Group Review Committee (2002-2004)
- Board of Trustees (2002-2005, 2011-2015, 2020-present)
- Finance Committee (2003-2005, 2011-2015)
- Nominating Committee (2003-2005, 2014)
- Publications Committee (Chair 2003-2005, 2020-present)
- Ad Hoc Committee on Electronic Media (2003-2005)
- Chair, High Field Systems and Applications Study Group (2003-2004, 2011-2012)
- Chair, Search Committee for Magnetic Resonance in Medicine Editor (2004)
- Search Committee for Journal of Magnetic Resonance Imaging Editor (2012)
- Governance Committee (2005-2007)
- Program Director, Current Issues in Brain Function (2007-2008)
- Chair, Workshop and Study Group Review Committee (2011-12)

International Society for Magnetic Resonance in Medicine, British Chapter

- Committee Member (2001-2006)
- Chair, Local Organizing Committee, Oxford (2005)
- Local Organizing Committee, Oxford (2018)

International Academy of Medical and Biomedical Engineering (Fellow, 2020)

University of Oxford

- Scientific Committee, MRC IRC Centre for Cognitive Neuroscience (1999-2003)
- Chair, Imaging Management Board (2003-2018)
- Governing Body, University College Oxford (2003-present)
- Divisional Planning and Resource Allocation Committee (2005-2006)
- Director, Biomedical Imaging Network (2007-present)
- Convener, Oxford Biomedical Imaging Festival (2007-present)
- Medical Sciences Division Research Committee (2007-2008)
- Mathematical, Physical and Life Sciences Division Review Committee (2007)
- Chair, Graduate Studies Committee, Medical Sciences Division (2009-2013)
- Graduate Panel, University of Oxford (2009-2013, 2014-2017)
- Dean of Graduates, University College Oxford (2011-2018)
- Vice-Master, University College Oxford (2018-present)
- Chair, Graduate Admissions Committee, University of Oxford (2014-2017)
- Education Committee, University of Oxford (2014-2017)

External Advisory Committees

- MRI Management Board, MS Society (2004-2017)
- Translational Clinical Advisory Group, UK Stroke Research Network (2005-2010)
- Neurosciences and Cancer Panel, Science Foundation Ireland (2007-2008)
- Max Planck Institute for Biological Cybernetics Scientific Advisory Board (2011-2018)
- Institute of Biophysics and Biomedical Engineering, University of Lisbon (2011-)
- Kings College London MRes Course External Examiner (2011-2013, 2014-2017)
- Scientific Advisory Board member of the Helmholtz Association Imaging and Curing Environmental Metabolic Diseases (ICEMED) Alliance (2013-2017)
- Search Committee for a Max Planck Director in Neurophysics, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig (2014-2015)
- Advisory Group, EU Joint Programming Initiative (JPI) on Neurodegenerative Diseases (JPND) (2014)
- Peer Review Panel, Dept of Biomedical Sciences, University of Antwerp, Belgium (2014)
- External Scientific Review Committee, Key Technologies Programme, Juelich Forschungszentrum, Helmholtz Association, Germany (2017)
- Evaluation Committee, Helmholtz Information & Data Science School for Health (HIDSS4Health), Karlsruhe, Germany (2022)

Reviewing Activities

Journal Editorial Activities

Journal of Magnetic Resonance (Editorial Board 2003-2010)

Human Brain Mapping (Editorial Board 2004-2020, Associate Editor 2004-2010)

Magnetic Resonance in Medicine (Editorial Board 2005-; Deputy Editor 2010-2019; Editor-in-Chief 2020-)

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 2016-2019, Editor for Reviews and Special Issues 2016-2019)

Journal Reviewing Activities

Brain (occasional)

Human Brain Mapping (occasional)

IEEE Transactions on Medical Imaging (occasional)

Journal of Magnetic Resonance (occasional)

Journal of Magnetic Resonance Imaging (occasional)

Journal of Cerebral Blood Flow and Metabolism (regular)

Magnetic Resonance Imaging (occasional)

Magnetic Resonance in Medicine (regular)

NeuroImage (regular)

NMR in Biomedicine (regular)

Physics in Medicine and Biology (occasional)

Proceedings of the National Academy of Sciences USA (occasional)

Radiology (occasional)

Science (occasional)

Conference Reviewing Activities

Human Brain Mapping

International Society for Magnetic Resonance in Medicine

Grant Reviewing Activities

Medical Research Council, UK

Engineering and Physical Sciences Research Council, UK

MS Society, UK

National Science Foundation, USA

National Institutes of Health, USA (NICHD, NIAID)

Science Foundation Ireland

Wellcome Trust, UK

Swiss National Science Foundation, Switzerland

Helmholtz Association, Germany

Stroke Association, UK

Invited Talks

Institute of Neurology, London, UK, August 1992

Laboratory of Medicinal Chemistry, University of Cambridge, UK, August 1992

Research Imaging Center, University of Texas, San Antonio, TX, February 1993

Royal Post Graduate School of Medicine, London, UK, February 1993

Experimental Therapeutics Laboratory, NIMH, National Institutes of Health, Bethesda, MD, July 1993

Dept. of Radiology, University of California, Los Angeles, CA, July 1993

PET Users Group Meeting, National Institutes of Health, Bethesda, MD, October 1993

Magnetic Resonance Centre, University of Nottingham, UK, December 1993

Department of Medical Biophysics and Department of Psychiatry, University of Manchester, UK, December 1993

Clinical Grand Rounds, National Institutes of Health, Bethesda, MD, January 1994

Workshop on Local Gradient Coils, Medical College of Wisconsin, WI, June 1994

NICHD Workshop on Embryonic Imaging, Bethesda, MD, 16th-17th June 1994

Department of Radiology, University of Utah, Salt Lake City, UT, July 1994

National Institutes of Health Research Festival, Bethesda, MD, September 1994

Department of Psychology, University of New Brunswick, Canada, October 1994

Department of Physics, University of New Brunswick, Canada, October 1994

American Association for the Advancement of Science Annual Meeting, Atlanta, GA, February 1995

Department of Neurosurgery and Neuroradiology Grand Rounds, Wake Forest University, NC, June 1995

Department of Radiology, University of Zürich, Switzerland, September 1995

Department of Electrical Engineering, University of Illinois, Urbana-Champaign, IL, October 1995

Department of Biophysics, Medical College of Wisconsin, Milwaukee, WI, November 1995

Department of Radiology, University of Indiana, IN, February 1996

Georgetown University Medical Center, Washington, DC, March 1996

Bucknell University, Merck Lecture Series, Lewisburg, PA, April 1996

Department of Radiology, University Hospital of Tenerife, Spain, May 1996

Invited speaker at the Society for Magnetic Resonance Workshop on MR Engineering, State College, PA, 20th-21st May 1996

Department of Neurology, University of Oxford, UK, August 1996

Invited plenary speaker at the 10th International Symposium on Cerebral Hemodynamics/1st Meeting of the European Society of Neurosonology and Cerebral Hemodynamics, August 29th-September 1st, 1996, Münich Germany

Department of Radiology, University of Zürich, Switzerland, September 1996

Symposium on Functional MRI and Brain Disorders, satellite meeting of the 26th Society for Neuroscience Meeting, Washington, DC, November 1996

Invited speaker at 1998 Medeval Symposium on "Early Clinical CNS Development - The Role of Neuroimaging", Manchester, UK, June 1998

National Society for Epilepsy Chalfont Centre, Institute of Neurology, UK, June 1998

Invited speaker, 4th Annual National Conference of the Institute of Physics and Engineering in Medicine, Brighton, UK, 15th-17th September 1998

Invited speaker, Irish Magnetic Resonance Imaging Users' Meeting, Belfast, UK, 14th November 1998

Invited speaker, Human Brain Mapping and Modeling Workshop (BrainMap 98), San Antonio, TX, 6th-7th December 1998

UCL Centre for Functional Neuroimaging, Functional Imaging Laboratory, London, UK, January 1999

Invited speaker, Institute of Physics and Engineering in Medicine (IPEM) MR Safety Meeting, London, UK, January 28th 1999

Educational Programme speaker, Human Brain Mapping Conference, Düsseldorf, Germany, June 1999

Tutorial speaker, Medical Image Computing and Computer-Assisted Intervention (MICAII) Conference, Cambridge, UK, September 1999

Department of Neurology, University of Verona, Italy, October 1999

Department of Physics, University of Surrey, UK, March 2000

Faculty speaker, "Clinical Applications of fMRI", 8th International Meeting of the ISMRM, Denver, USA, April 2000

Department of Medical Physics, Royal Marsden Hospital, London, UK, May 2000

Faculty speaker, "Physiology and Physics of fMRI", The fMRI Experience, Kings College, London, UK, May 2000

Invited speaker, Wolfson Brain Imaging Centre, University of Cambridge, UK, May 2000

Invited speaker, Gordon Conference on "In Vivo Magnetic Resonance", Proctor Academy, New Hampshire, USA, August 2000

UCL Centre for Functional Neuroimaging, Functional Imaging Laboratory, London, UK, October 2000

Max Planck Institute for Cognitive Neuroscience, Leipzig, Germany, December 2000

Invited speaker, Workshop on Optimization of Functional Magnetic Resonance Imaging Experiments, Helsinki, Finland, March 2001

Education Programme speaker, Human Brain Mapping Meeting, Brighton, UK, June 2001

Invited plenary speaker, "Quantitative fMRI", ISMRM British Chapter, Cambridge, UK, September 2001

Dept of Physics Colloquia Series, Oxford, UK, November, 2001

Invited speaker, WBIC fMRI Training Course, Cambridge, UK, February, 2002

ISMRM Educational Session speaker, Hawaii Meeting, USA, May, 2002

Invited speaker, "Quality Assurance in fMRI Experiments", British Chapter ISMRM Meeting, Sheffield, UK, September, 2002

Robert Steiner MRI Unit, Hammersmith Hospital, London, UK, November 2002

Faculty speaker, "Physiology and Physics of fMRI", The fMRI Experience, Kings College, London, UK, March 2003

ISMRM Educational Session speaker, Toronto Meeting, Canada, May, 2003

Invited speaker, Magnetic Resonance Techniques in Multiple Sclerosis, 7th Advanced Course, Milan, Italy, May, 2003

Invited speaker, "The Clinical Use of 3T Scanners", British Institute of Radiology, London, July, 2003

Invited speaker, British Institute of Radiology, London, January, 2004

ISMRM Educational Session speaker, Kyoto Meeting, Japan, May, 2004

ISMRM Physics for Clinicians invited speaker, Kyoto Meeting, Japan, May, 2004

Education Programme speaker, Human Brain Mapping Meeting, Budapest, Hungary, June 2004

Invited plenary speaker, "Perfusion Imaging", British Chapter ISMRM Meeting, Edinburgh, UK, September, 2004

Mansfield College Science Society, Oxford, UK, February, 2006

Birmingham University Imaging Centre, Birmingham, UK, March, 2006

ISMRM Educational Session speaker, Seattle Meeting, USA, May, 2006

ISMRM Morning Categorical invited speaker, Seattle Meeting, USA, May, 2006

Invited speaker, Oxford Medical Alumni Meeting, Oxford, Sept, 2006

OHRT Medical Physics CPD Speaker Series, Oxford, January, 2007

Invited speaker, Turkish Radiological Society Meeting, Istanbul, February, 2007

University College Medical Alumni Dinner, Oxford, March, 2007

Clinical Imaging Centre, GlaxoSmithKline, November 2007

Invited Speaker, 11th Advanced Course on Magnetic Resonance Techniques in Multiple Sclerosis, Milan, Italy, December, 2007

Workshop on "Neuroimaging in the Pharmaceutical Industry", London, January, 2008

Invited Speaker, 4th Annual ARSEP Meeting on MS MRI: Imaging Function in Multiple Sclerosis, Paris, France, February, 2009

Invited Speaker, European Neurological Society, Milan, Italy, June 2009

Invited Speaker, Vice Chancellor's Seminar Series on Intergrative Quantitative Biosciences, University of Oxford, June 2009

Invited Speaker, ESRMRM Course on Functional MRI, Tuebingen, Germany, September 2009

Invited Speaker, Max Planck Institute for Cognitive Neuroscience, December 2009

ISMRM Clinical Case-Based Teaching Course, Stockholm, May 2010

Invited Morning Symposium Speaker, Human Brain Mapping Meeting, Barcelona, June 2010

Invited Speaker, Maastricht University, November 2010

Invited Speaker, Foothills Hospital, University of Calgary, Canada, February 2011

Invited Speaker, NMR Center, National Institutes of Health, Bethesda, USA, March 2011

Invited Speaker, ISMRM German Chapter Doctoral Training Programme, Juelich, Germany, April 2011

Invited Speaker, Neurosurgery Grand Rounds, St George's Hospital, London, May 2011

Invited Speaker, IXth International School on Magnetic Resonance and Brain Function, Erice, Italy, May 2011

Invited Speaker, Bristol Magnetic Resonance Summer School, Bristol, July 2011

Invited Speaker, Wellcome Trust Symposium on Next Generation Brain Imaging Technologies, London, October 2011

Invited Speaker, 3rd Annual Scientific Symposium on "Ultrahigh Field Magnetic Resonance: Clinical Needs, Research Promises and Technical Solutions", Berlin, Germany, June 2012

Invited Speaker, British Chapter ISMRM Meeting, Cambridge, September 2012

Invited Speaker, ASNR-ISMRM Co-Sponsored Workshop on "Advanced Brain Imaging: Beyond State of the Art", McLean, Virginia, USA, September 2012

Invited Speaker, Instituto Superior Técnico, Lisbon, Portugal, October 2012

Invited Educational Speaker, ESMRMB Annual Meeting, Lisbon, Portugal, October 2012

Invited Speaker, *Dies Natalis* Symposium, Maastricht University, Maastricht, The Netherlands, January 2014

Invited Speaker, “Enquire Within” Festschrift, Max Planck Institute for Human Cognition and Brain Sciences, Leipzig, Germany, February 2014

Invited Speaker, Institute of Physics and Engineering in Medicine (IPEM) MR-SIG Symposium on Advanced Neuro MRI Techniques, Birmingham, UK, March 2014

Invited Speaker, 25th Anniversary Symposium of the Laboratory of Cardiac Energetics, National Institutes of Health, Bethesda, Maryland, USA, May 2014

Invited Speaker, Annual MR Meeting of the Chinese Radiological Society, Changsha, China and Beijing, China, May 2014 ((part of the ISMRM Outreach Program)

Invited Speaker, ISMRM-Tsinghua Joint Symposium on Neuroimaging: Emerging Technologies and Novel Applications, Tsinghua University, Beijing, China, June 2014 (part of the ISMRM Outreach Program)

Invited Speaker, Fachgruppe MR, German Chemical Society, Berlin, September 2014

Invited Speaker, St Thomas’ Hospital, KCL, London, October 2014

Invited Speaker, Glasgow University, Glasgow, April 2015

Invited Educational Speaker, ISMRM Annual Meeting, Toronto, Canada, June 2015

Invited Keynote Speaker, British Chapter ISMRM Meeting, London, UK, September 2015

Invited Speaker, European Course in Minimally Invasive Neurological Therapy (ECMINT), Oxford, UK, December 2015

Invited Educational Speaker, ISMRM Annual Meeting, Singapore, May 2016

Invited Speaker, Inaugural Opening of the CRMBM 7 Tesla Facility, Marseille, France, September 2016

Physics Lecture Series, Cherwell School, Oxford, UK, October 2016

Invited Speaker, European Course in Minimally Invasive Neurological Therapy (ECMINT), Oxford, UK, December 2017

Organizer and Speaker, ISMRM Workshop on Advanced Neuro MR: Best Practices for Technical Implementation, Seoul, Korea, March 2018

Plenary Speaker, Korean Society of Magnetic Resonance in Medicine, Seoul, Korea, March 2018

Annual Distinguished Lecturer, Dunhill Medical Trust Symposium, London, April 2018

Plenary Speaker, International Society for Magnetic Resonance in Medicine, Paris, France, June 2018

Invited Speaker, Brain MRI Symposium Series, University of Cambridge, November 2018

Invited Speaker, Conference on Magnetic Resonance in Medicine and 25th National Magnetic Resonance Society Meeting, New Delhi, India, February 2019

Invited Education Speaker, European Congress of Radiology, Vienna, Austria, 27th February – 3rd March, 2019

Invited Plenary Speaker, XLVIII National Meeting on Magnetic Resonances, L'Aquila, Italy, 11th-13th September 2019

Invited Speaker, Juelich Forschungszentrum, Juelich, Germany, June 2020

Invited Speaker, Neuroimaging Dept Seminar, Kings College London, UK, December 2021

Invited Speaker, Manchester Neurosciences Seminar Series, University of Manchester, UK, March 2022

Invited Speaker, European Course in Minimally Invasive Neurological Therapy (ECMINT), Oxford, UK, June 2022

Invited Speaker, European Course in Minimally Invasive Neurological Therapy (ECMINT), Oxford, UK, June 2024

Teaching

FMRIB Centre

Supervisor to DPhil students (see separate list of students)

Supervision of MPhys student projects (see separate list of students)

Supervision of overseas internship students (see separate list of students)

Various lectures provided annually as part of the FMRIB Centre Graduate Training Programme

University of Oxford

Provided annual imaging lectures for Life Sciences Interface Doctoral Training Programme (2002-2007)

Provided annual research ethics module for Centre for Doctoral Training in Biomedical Imaging (2015-2019)

College Supervisor to various students, Wolfson College 2000-2003; University College 2003-Present.

Vivas Performed

Oxford Transfer Vivas:

- Ron Heal (2003)
- Teddy Tjandra (2004)
- Nurunisa Neyzi (2006)
- Sarah Carrington (2006)
- Kyle Pattinson (2007)
- Marie Schroeder (2007)
- Matthew Taylor (2007)
- Way Cherng Chen (2011)
- Michael Germuska (2014)
- Kevin Ray (2015)
- Teddy Cai (2021)
- Mehrsa Jafarpour (2023)

Oxford DPhil Vivas:

- Carsten Liess (1999)
- Stuart Grieve (2000)
- Matthew Taylor (2009)
- Flora Kennedy McConnell (2017)
- Paul Kirk Reardon (2019)

External PhD Vivas:

- Joni Oja (University of Kupio, Finland, 1999)
- Carsten Liess (University of Oxford, 1999)
- Stuart Grieve (University of Oxford, 2000)
- Marc Miquel (University of Cambridge, 2000)
- Andreas Bartels (UCL, 2001)
- Damian Tyler (University of Nottingham, 2002)
- Laura Parkes (UCL, 2002)
- Stefan Skare (Karolinska Institute, Sweden, 2002)
- Donald Tournier (UCL, 2003)
- Anastasios Anastasiou (University of Cambridge, 2003)
- Kuan Jin Lee (University of Sheffield, 2003)
- Aneurin James Kennerley (University of Sheffield, 2006)
- Pasi Tuunanen (University of Kupio, Finland, 2006)
- Jonathan Alan Goodwin (University of Liverpool, 2009)
- Sam Wharton (University of Nottingham, 2011)
- Richard Dury (University of Nottingham, 2017)
- Keval Patel (University of Cambridge, 2018)
- Zahra Fazal (Radboud University, 2021)

Outside Teaching

Member of Education Committee of International Society for Magnetic Resonance in Medicine (2002-2005)

Organised various teaching sessions for ISMRM, including:

- Morning Categorical Course, "FMRI in Neuropsychiatric Disease and Treatment: Special Issues in fMRI of the Diseased Brain", 2000 ISMRM Meeting, Denver, USA
- Morning Categorical Course, "FMRI: What Can We measure?", 2001 ISMRM Meeting, Glasgow, Scotland
- Weekend Educational Course, "Brain Function and fMRI", 2003 ISMRM Meeting, Toronto, Canada
- Weekend Educational Course, "Brain Function and fMRI", 2004 ISMRM Meeting, Kyoto, Japan
- Weekend Educational Course, "Current Debates and Recent Advances in Functional MRI", 2005 ISMRM Meeting, Miami Beach, USA

Local and Lead Organizer, ESMRMB Lectures on Magnetic Resonance course on "Current Concepts in Perfusion and DCE MRI", Oxford, September 20th-22nd 2011

Current Students and Post Docs

PhD Students

Ben Keedwell, MRC iCASE, 2023-2027 (Co-supervised with Prof. Tom Okell, Dr Aaron Hess)

Hao Li, MRC iCASE, 2023-2027 (Co-supervised with Prof. Tom Okell, Prof. Mark Chiew)

Tobias Harritz, Podium Analytics, 2024-2028 (Co-supervised with Prof. Constantin Coussios)

Post Docs

Tom Okell, Funding: Dunhill Medical Trust 2011-2015, Royal Academy of Engineering 2015-2020

Former Students and Post Docs

PhD Students

Patricia Figueiredo, Funding: Portuguese Foundation for Science and Technology (PRAXIS XX1), 1998-2003. Now Associate Professor, Instituto Superior Tecnico, Lisbon, Portugal.

James Wilson, Funding: MRC Studentship, 1999-2003. Now Head of Physics, Exeter School, Exeter.

Rita Nunes, Funding: Portuguese Foundation for Science and Technology and Foundation Calouste Gulbenkian, 2001-2005 (Co-supervised with Dr Stuart Clare). Now Assistant Professor, IBEB, University of Lisbon.

Peter Chiarelli, Funding: Rhodes Trust, 2003-2006 (Co-supervised with Dr Daniel Bulte). Subsequently Harvard Medical School; now Senior Fellow, Seattle Children's Hospital, University of Washington, USA.

Daniel Gallichan, Funding: EPSRC LSI-DTC, 2003-2007 (Co-supervised with Drs Mark Woolrich and Karla Miller). Subsequently post-doc in Freiburg and Lausanne; now Lecturer in Medical Imaging, School of Engineering, Cardiff University.

Hannah Devlin, Funding: MRC Studentship, 2004-2007. Subsequently science writer at The Times; now Science Correspondent at The Guardian.

Jingyi Xie, Funding: GSK, 2005-2009 (Co-supervised with Dr Roger Gunn). Now working for Siemens Healthineers, Erlangen, Germany.

Molly Bright, Funding: NIH Graduate Partnership Programme, 2006-2010 (Co-supervised with Dr Jeff Duyn, NIH). Subsequently post-doc at Cardiff University; subsequently Lecturer at University of Nottingham; now

Assistant Professor, Northwestern University, USA.

Tom Okell, Funding: MRC Studentship and Dept of Health Training Grant, 2007-2010. Subsequently post-doc at FMRIB Centre; now Royal Academy of Engineering Career Development Fellow, University of Oxford.

Hendrikus (Rob) Tijssen, Funding: MRC Studentship, GSK and private donation, 2007-2011 (Co-supervised with Dr Karla Miller). Subsequently Netherlands health service; now Staff Scientist, University of Utrecht, Netherlands.

Robert Frost, Funding: MRC Studentship, 2008-2012 (Co-supervised with Dr Karla Miller). Subsequently post doc, University of Oxford; now Instructor, Massachusetts General Hospital, Harvard University, USA.

James Meakin, Funding: CRUK, 2009-2013 (Co-supervised with Dr Thomas Brunner in Dept of Radiation Oncology and Biology). Subsequently research scientist, Philips Healthcare; now Radboud University, Netherlands.

Konstantinos Papoutsis, Funding: Dept of Engineering Scholarship, 2010-2014 (Co-supervised with Dr Jamie Near and Prof. David Edwards, Dept of Engineering). Now RF engineer with MR Solutions.

Clark Lemke, Self-funded, 2011-2015 (Co-supervised with Dr Jamie Near and Dr Uzay Emir). Subsequently post-doc for the Dept of Psychiatry, University of Oxford; now Researcher and Data Scientist, Spotify, New York, USA.

Matt Rowland, MRC Clinical Research Fellowship, 2011-2015 (Co-supervised with Dr Kyle Pattinson). Subsequently Clinical Lecturer, University of Oxford. Now Senior Clinical Development Medical Director, Novartis.

Hannah Hare, MRC Studentship, 2012-2015 (Co-supervised with Dr Dan Bulte). Now working as a consultant for The Technology Partnership (TTP), Cambridge.

Eleanor Berry, EPSRC Studentship, 2012-2016 (Co-supervised with Dr Tom Okell). Now working for McKinsey Geneva, Switzerland.

Adam Berrington, EPSRC LSI DTC, 2013-2016 (Co-supervised with Uzay Emir). Subsequently a post-doc at Johns Hopkins University, Baltimore, USA. Now a Beacon Early Career Follow at Nottongham University.

Olivia Viessmann, HiMR EU ITN, 2013-2017. Subsequently post doc, Massachusetts General Hospital, Harvard University, USA. Now Senior Machine Learning Scientist for Flagship Pioneering, Cambridge, MA, USA.

Hongbae Jeong, Oxford-Radcliffe-Clarendon Award, 2014-2018 (Co-supervised with Dr Aaron Hess). Subsequently post doc, Massachusetts General Hospital, Harvard University, USA. Now FDA, Maryland, USA.

Robert Brand, MRC-Scatcherd studentship, 2014-2018 (Co-supervised with Prof. Michael Chappell and Dr Nic Blockley). Now McKinsey Consulting, Tokyo, Japan.

Martyn Ezra, MRC Clinical Fellowship award, 2015-2018 (Co-supervised with Dr Kyle Pattinson). Now returned to clinical duties.

Jack Allen, EPSRC CDT, 2014-2018 (Co-supervised with Prof. James Kennedy). Subsequently post-doc, Royal Brompton Hospital, Imperial College London. Now UCL.

Caitlin O'Brien, EPSRC CDT, 2015-2019 (Co-Supervised with Dr Tom Okell and Prof. James Kennedy). Now medical physicist at St Thomas' Hospital, London.

Yan Tong, Chinese Oxford Scholarship and self-funded, 2016-2020 (Co-supervised with Dr Will Clarke). Now employee at United Imaging Healthcare, China.

Istvan Huszar, EPSRC CDT, 2016-2020 (Co-supervised with Prof. Karla Miller and Dr Martin Turner). Now post doc at Massachusetts General Hospital Martinos Center, USA.

Sophie Schauman, EPSRC CDT, 2016-2020 (Co-supervised with Dr Tom Okell and Dr Mark Chiew). Became post-doc at Stanford University, USA. Now Karolinska Institute, Sweden.

Matthijs de Buck, Siemens and Dunhill Medical Trust, 2019-2023 (Co-supervised with Dr Will Clarke and Dr Aaron Hess). Now Staff Scientist at the Spinoza Centre, Amsterdam.

James Thomas, self-funded, 2020-2024 (Co-supervised with Dr Alastair Webb)

Post Docs

Allen Song, Funding: NIH, 1995-1997 (subsequently post-doc at Emory University, Atlanta; now Professor at Duke University, North Carolina)

Stuart Clare, Funding: MRC Programme Grant, 1997-2003 (subsequently Chief Physicist, FMRIB Centre; now Head of Operations, Wellcome Centre for Integrative Neuroimaging, Oxford)

Marcello Alecci, Funding: EU Biomed II, 1998-2001 (now Associate Professor, University of L'Aquila, Italy)

Marzena Wylezinska-Arridge, Funding: GSK and MRC Programme Grant, 1999-2006 (now Imperial College London)

Markus Weiger, Funding: EU Marie Curie Award, 2001 (subsequently Bruker Biospin; now ETH Zurich)

Nigel Davies, Funding: MRC Project and Programme Grant, 2000-2004 (now University Hospital Birmingham)

John Evans, Funding: MRC Programme Grant, 2004-2007 (now staff scientist, CUBRIC, University of Cardiff)

Karla Miller, Funding: GSK and EPSRC/RAE Fellowship, 2004-2006 (subsequently Wellcome Trust Career Development Fellow, FMRIB Centre; now Wellcome Trust Senior Fellow and Professor of Biomedical Engineering, FMRIB Centre)

Daniel Bulte, Funding: MRC Programme Grant, 2003-2008 (subsequently EPSRC Career Development Fellow, FMRIB Centre; now Associate Professor, Dept of Engineering, University of Oxford)

Stefan Piechnik, Funding MRC Programme Grant, 2005-2008 (subsequently NIHR BRC post-doctoral fellow, Oxford; now Associate Professor and Head of Cardiovascular Image Processing, OCMR, Oxford)

Brad MacIntosh, Funding: Heart and Stroke Foundation of Canada, 2007-2009 (now Assistant Professor at Sunnybrook Hospital, University of Toronto)

Manus Donahue, Funding: Dunhill Medical Trust, 2008-2010 (subsequently Assistant Professor at Johns Hopkins University; now Professor at Vanderbilt University, Tennessee, USA)

Jingyi Xie, Funding: Pain Group and Stroke Association, 2009-2011 (now working for Siemens Healthcare, Erlangen, Germany)

Alex Gardener, Funding: MRC Project Grant, 2009-2013 (now working as a physics teacher)

Linqing Li, Funding: Oxford NIHR BRC, 2009-2014 (now Staff Scientist at the National Institutes of Health, USA)

Michael Kelly, Funding: Oxford NIHR BRC, 2010-2013 (now Lecturer at Leicester University)

Jamie Near, Funding: MRC, 2008-2012 (now Assistant Professor at McGill University, Canada)

Robert Frost, Funding BRC, 2012-2016 (now Instructor at Massachusetts General Hospital, Harvard)

Uzay Emir, Funding: University of Oxford, 2013-2017 (now Assistant Professor at Purdue University, USA)

Nic Blockley, Funding: Stroke Association and Dunhill Medical Trust, 2011-2013, EPSRC 2013-2018 (now Assistant Professor, University of Nottingham)

Alex Smith, Funding: Whitaker Foundation, 2016-2018; JRF at St Hilda's College Oxford 2018-2019 (subsequently at Perspectum Diagnostics, Oxford; Now MR Clinical Scientist with GE)

Kevin Ray, Funding: NIHR Oxford Biomedical Research Centre, 2017-2019 (subsequently at Perspectum Diagnostics, Oxford; Now Predictive Analytics Biostatistician, UCB)

Paula Croal, Funding: NIHR Oxford Biomedical Research Centre, 2019-2021 (now UK Civil Service)

Yang Ji, Funding: NIHR Oxford Biomedical Research Centre, 2021-2022 (subsequently senior post-doc, University of Oxford; now Assistant Professor, University of Science and Technology of China, Hefei, China)

Undergraduate Students (MPhys and visiting interns)

Barnaby Watson, MPhys project student, 1999

Florence Williams, MPhys project student, 2000

Clare Hindley, MPhys project student, 2001

Karla Miller, Visiting summer student (Stanford), 2001

Katherine Fraser, MPhys project student, 2002

Alex Pocock, MPhys project student, 2004

Christopher Lumb, MPhys project student, 2005

Jamie Ballin, MPhys project student, 2006

Lizet Barry, Visiting intern student, Eindhoven University 2006

Rob Tijssen, Visiting intern student, Eindhoven University 2006

Rebecca Jeffrey, BA Project Student, 2011

Fritz Bayer, Visiting Masters intern student, Freiburg University, 2018

Thijs de Buck, Visiting Masters intern student, Leiden University, 2019