

BIOGRAPHICAL SKETCH

Complete for each professional associated with the project

Name: Tomassini, Valentina, MD, PhD

Position/Title:
Clinical Senior Lecturer and
Honorary Consultant in
Neurology

Education

[Begin with baccalaureate or other professional education and include postdoctoral training]

Institution and Location	Degree	Year Conferred	Field of Study
School of Medicine, Sapienza University of Rome, Italy	Bachelor of Medicine and Surgery	1999	Medicine and Surgery
Department of Neurology and Psychiatry, Sapienza University of Rome, Italy	Specialist training certificate in Neurology	2004	Neurology
Department of Neurology and Psychiatry, Sapienza University of Rome, Italy (Awarding Body) & Oxford Centre for Functional MRI of the Brain (FMRIB), Nuffield Department of Clinical Neurosciences, University of Oxford, UK (Centre where research was developed and conducted)	PhD	2008	Experimental and clinical neurosciences
FMRIB Centre and Clinical Neurology, Nuffield Department of Clinical Neurosciences, University of Oxford, UK	Post-doctoral clinical research associate	2008	Normal motor learning and functional recovery in MS
Oxford Biomedical Research Centre, University of Oxford, UK	Post-doctoral clinical research associate (NIHR Fellowship)	2010	Neuroprotection in MS

Research and Professional Experience

[List in chronological order, previous employment, experience and honors]

EMPLOYMENT HISTORY

Current: Since Oct 2011: Clinical Senior Lecturer and Honorary Consultant in Neurology, Cardiff University, UK
Past: 2011-2016: Research Associate (Principal Investigator), Santa Lucia Foundation, Rome, Italy; 2008-2011, Post-doctoral clinical research fellow, University of Oxford; 2008-2011, Research Associate, Sapienza University of Rome; 2006-2007, Research Assistant, University of Oxford; 2004-2007, PhD student (MS Society Training Fellowship), Sapienza University of Rome and University of Oxford; 1999-2004, Neurology Registrar, Sapienza University of Rome.

SELECTED PROFESSIONAL CERTIFICATIONS

Since March 2017: Italian National Qualification as Full Professor of Neurology (“Abilitazione Nazionale Professore di I fascia”) and as Full Professor of Medical Technology Sciences (“Abilitazione Nazionale Professore di I fascia”); 2015: Master Class in PhD supervision for experienced supervisors; 2016 Basic and Advanced Cardiovascular Life Support (ACLS) Provider – American Heart Association; 2015, 2012 Good Clinical Practice in Research, Cardiff, UK; 2008 General Medical Council, UK; 2001 Ordine dei Medici e Chirurghi e degli Odontoiatri, Rome (equivalent to full GMC membership in the UK); 2000 Abilitazione all’esercizio della Medicina, Italy (post-graduate medical training pre-requisite for specialist training)

RESEARCH INTERESTS

Clinical. Prevention of damage and clinical disability in inflammatory demyelinating diseases of the central nervous system.

Neuroscientific. Promotion of recovery from damage and clinical disability by modulation of brain plasticity.

Methodological. Development of structural and functional neuroimaging for clinical applications.

SPECIALIST CLINICAL INTERESTS

Multiple Sclerosis (MS) and other neuroinflammatory disease of the Central Nervous System.

GRANTS AWARDED AND PRIZES (IN BRITISH POUNDS STERLING AND EURO - TOTAL AMOUNT IN EURO OVER 4,500,000)

NISCHR (2014-2017, £1,500,000, Collaborator); MS Society UK (2014-2017, £263,362, PI); Engineering and Physical Sciences Research Council (2013-16, £706,000, Co-App); MRC Centre for Neuropsychiatric Genetics and Genomics (2012-13, £5,000, PI); Neuroscience and Mental Health Research Institute (2012-13, £5,000, PI); MS Society Italy (2012-13, €30,000, PI); Italian Ministry of Health (equivalent to NIHR UK) (2011-14, € 288,388.81, PI); MS Society UK (2012-15, £ 377,283, Co-App); Du Pre’ Grant, Multiple Sclerosis International Federation (2011, £ 4,680, PI); Fellowship of the Oxford Biomedical Research Centre financed by the NIHR (2010-12, £ 81,600); International Meeting Grant, Multiple Sclerosis International Federation (2010, £ 4,660, PI), Research Project funded by Merck Serono Switzerland (2009-12, €240,000, Co-App); Research Project funded by University of Rome “La Sapienza” (2009, €30,000, Co-App); Bridging funds of the University of Oxford (2009, £12,144, PI); Multiple Sclerosis Society UK (2006-9, £180,717, Designated Fellow); Rosetrees Trust of the MS Society UK (2006-9, annual support for research costs); Young Investigator Award, European Charcot Foundation (2008, €2,000); Training Fellowship, Multiple Sclerosis Society Italy (2004-7, €30,000); Charles Symonds Best Poster, Association of British Neurologists (2007); Travel prizes and international conference registration OHBM, ISMRM, ECTRIMS (2007-10).

SELECTED MEMBERSHIPS OF SOCIETIES AND STUDY GROUPS (CURRENT AND PREVIOUS)

MAGNIMS European Consortium; ISMRM; OHBM; Society for Neuroscience; Italian Neurological Society.

RESEARCH (1) AND TEACHING (2) MANAGEMENT

(1) Previously. *Supervision/Coordination.* Oxford - FMRIB, University of Oxford: 2 physicists, 3 neurology registrars, 3 medical students; Rome – IRCCS Santa Lucia Foundation: 2 post-doctoral research associates, 1 clinical neuropsychologist, 1 engineer, 1 medical student; Cardiff – Cardiff University School of Medicine: 1 PhD student, 1 medical student. **Currently.** *Supervision.* 1 post-doctoral research associate, 3 PhD students, 1 clinical fellow, 1 Wellcome Trust PhD student. *Board Membership.* In 2003, invited panel member for setting new research priorities for the MS Society UK; 2014-present: Clinical Advisor, Welsh Neuroscience Tissue Bank, Cardiff University; 2015-present: Collaborator, NISCHR Brain Unit, Cardiff University; 2016-present: Deputy for Neurology, Neurodegeneration Theme, Scientific Advisory Board, MRC Centre for Neuropsychiatric Genetics and Genomics, Cardiff University School of Medicine.

(2)Lead Tutor for Year-4 Neuroscience Undergraduate Module, Cardiff University School of Medicine, UK; Lecturer in the Master Course (MSc) in Neuroimaging, Cardiff University School of Psychology, UK.

SELECTED INVITED LECTURES (POST-PHD)

2015, Eu-RIMS, Milan, Italy; 2014, ARSEP (MS Society France) MRI Workshop, Paris, France; 2014, MS Society Italy, Rome, Italy; 2012, British Society for Rehabilitation Medicine, Derby, UK; 2008, Cardiff University Brain Research Imaging Centre, UK; 2008, European Charcot Foundation Symposium, Taormina, Italy.

INVESTIGATOR-LED STUDY DESIGN (ETHICS APPROVED)

2002-2015: designed 11 projects approved by Ethics Committees in Italy and in the UK. Since 1999: evaluating neurologist in phase II-IV studies.

REVIEWER FOR INTERNATIONAL JOURNALS AND FUNDING BODIES (SELECTION)

J Neurosci; Hum Brain Mapp; Mult Scler; Neurology; NeuroImage; J Physiol; PLoS ONE; J Neurol; JNNP; J Neurol Sci; Clin Rehabil; Expert Rev Neurother; Magn Reson Med; Austrian Science Fund; MS Society UK; MS Society Italy.

SUMMARY OF SCIENTIFIC PUBLICATIONS

5 book chapters; 57 original and invited reviews/opinion articles in refereed international journals; 1 popular science article; 1 PhD Thesis; 57 abstracts in conference proceedings.

Number pages consecutivelythroughoutthe

2

Revised6/08

Publications

For each investigator, provide complete bibliographic citations for selected **publications related to the topic of this application**. DO NOT exceed one page for each individual.

Book chapter (selected)

- Lipp L, Muhlert N, Tomassini V. Brain Morphometry in multiple sclerosis, in: Brain Morphometry, 2016. Eds: Spalletta G, Gili T, Piras, F. (in press)
- Pozzilli C, Tomassini V, Prosperini L. Il management del paziente con SM, in: L'assistenza della persona con SM: modelli organizzativi, 2004. Eds: Ghezzi A, Comi G
- Scholz J, Tomassini V, Johansen-Berg H. Individual differences in white matter microstructure in the healthy brain, in: Imaging brain pathways - Diffusion MRI: from quantitative measurement to in-vivo neuroanatomy, 2013 (2nd edition). Eds: Johansen-Berg H, Behrens TE

Original Articles (selected)

MS damage

- Tomassini V, Johansen-Berg H, Jbabdi S, et al. *Neurorehabil Neural Repair*. 2012;26(6):581-93.
- Sbardella E, Tomassini V, Stromillo ML, et al. *Mult Scler*. 2011;17(12):1432-40.
- Tomassini V**, Onesti E, Mainero C, et al. *J Neurol Neurosurg Psychiatry*. 2005;76(2):272-5.
- Pozzilli C, **Tomassini V**, Marinelli F, et al. *Eur J Neurol*. 2003;10(1):95-7.

MS management

- Sbardella E, **Tomassini V**, Gasperini C, et al. *BMC Neurol*. 2009. 13;9:54.
- Tomassini V**, De Giglio L, Reindl M, et al. *Mult Scler*. 2007;13(9):1086-94.
- Tomassini V**, Paolillo A, Russo P, et al. *J Neurol*. 2006;253(3):287-93.
- Tomassini V**, Pozzilli C, Onesti E, et al. *J Neurol Sci*. 2004;218(1-2):103-8.

Functional recovery and neuroprotection in MS

- Tomassini V*, d'Ambrosio A*, Petsas N, Wise RG, et al. *Hum Brain Mapp*. 2016;37(7):2431-45. *equal contribution
- Arun T*, Tomassini V*, Sbardella E, de Ruiter MB, et al. *Brain* 2013;136(Pt 1):106-15. *equal contribution
- Tomassini V**, Johansen-Berg H, Leonardi L, et al. *Mult Scler*. 2011;17(1):103-15.
- Bosnell R, Kincses T, Stagg C, **Tomassini V**, et al. *Neurorehab and Neural Repair* 2011;25(7):607-16.

Normal brain functional anatomy and learning

- Tomassini V**, Jbabdi S, Klein JC, et al. *J Neurosci*. 2007;27(38):10259-69.
- Tomassini V**, Jbabdi S, Kincses ZT, et al. *Hum Brain Mapp*. 2011; 32(3):494-508.
- Giorgio A, Santelli L, **Tomassini V**, et al. *Neuroimage*. 2010;51(3):943-51.
- O'Reilly JX*, Beckmann CF*, **Tomassini V**, Ramnani N, et al. *Cereb Cortex*. 2010;20(4):953-65. *equal contribution

Clinical applications of advanced neuroimaging

- Gelineau-Morel R, Tomassini V, Jenkinson M, et al. *Hum Brain Mapp*. 2012;33(12):2802-14.
- Tamas Kincses Z, Johansen-Berg H, **Tomassini V**, et al. *Neuroimage*. 2008;39(4):1950-8.

Invited reviews/opinion articles (selected)

- Lipp I, Tomassini V. *Front Neurol*. 2015;6:59.
- Tomassini V, Matthews PM, Thompson AJ, et al. *Nat Rev Neurol*. 2012;8(11):635-46.
- Tomassini V, Palace J. *Expert Rev Neurother*. 2009;9(9):1341-59.
- Tomassini V, Pozzilli C. *J Neurol Sci*. 2009;286(1-2):35-9.

Original articles within the RIReMS

- Frisullo G, Calabrese M, Tortorella C, Paolicelli D, Ragonese P, Annovazzi P, Radaelli M, Malucchi S, **Tomassini V**, Nociti V, Gallo A, D'Onghia M, Lo Re V, Rodegher M, Solaro C, Gasperini C. *Mult Scler* 2014;20(9):1265-8.
- Annovazzi P*, Tomassini V*, Bodini B, Boffa L, Calabrese M, Cocco E, Cordioli C, De Luca G, Frisullo G, Gallo A, Malucchi S, Paolicelli D, Pesci I, Radaelli M, Ragonese P, Roccatagliata L, Tortorella C, Vercellino M, Zipoli V, Gasperini C, Rodegher M, Solaro C. *J Neurol Sci* 2013;34(2):197-203. *equal contribution

Firma

