



Dr Luca Passamonti

GENERAL INFORMATION



- ❖ **Senior Clinical Research Fellow, NHS Honorary Consultant Neurologist**
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BIOGRAPHICAL SKETCH

I am a **Behavioural Neurologist** that has trained at the interface between *Neurology & Psychiatry*, using methods from the field of **Cognitive Neuroscience**. My ultimate career aims are to study the brain mechanisms that are responsible for a series of cognitive and emotional problems in a broad range of neuro-psychiatric disorders. I also study how individual differences in personality traits in healthy people arise from variability in brain function and anatomy, and how this relates to neuro-psychiatric illnesses. For instance, I consider the neural underpinnings of personality traits such as neuroticism, impulsivity, and aggression and their role in juvenile antisocial behaviours and neurodegenerative disorders affecting elderly people (i.e., the fronto-temporal lobar degeneration spectrum of disorders). Improving our knowledge of the neurological roots of personality is not only of interest theoretically but has also the potential to lead to new approaches to assess and treat complex neuro-psychiatric disorders.

I have 15 years of research, clinical, and teaching experience in cognitive neuroscience and considerable expertise in advanced techniques commonly used in experimental as well as clinical neurology and psychiatry (e.g., *functional and anatomical connectivity approaches, questionnaire measures, neurological or psychiatric assessments, psychological task design, analyses of error patterns, pharmacological manipulations of neuro-chemical systems, and design & implementation of phase II clinical trials in neurodegenerative disorders*).

I am author and co-author of **108 peer-reviewed manuscripts** (1 in Press) in important international journals including ***Brain, Biological Psychiatry, Neurology, JAMA Psychiatry, NeuroImage, Journal of Neuroscience, and Science***. For bibliometric indices see [Google Scholar](#)

EDUCATION

- 2020 **PhD (Cantab)**, Final viva on the 13th of February 2020, University of Cambridge, UK
- 2018 **Habilitation for Associate Professorship in Neurology** (06/D6), Ministry of Education, Italy
- 2005 **Residency in Neurology**, 50/50 *cum laude*, University "Polytechnic of the Marche", Ancona, Italy
- 2000 **Doctor of Medicine & Surgery**, 110/110 *cum laude*, University "G. D'Annunzio", Chieti, Italy

CURRENT POSITIONS

- 2018– **Senior Researcher ('Primo Ricercatore')** ('in aspettativa per incarico dirigenziale'), Istituto di Bioimmagini e Fisiologia Molecolare (IBFM), Milano, Italy
- 2018–2019 **Visiting Professor**, University "Polytechnic of the Marche", Department of Experimental Medicine, Italy
- 2017– **Senior Clinical Research Associate**, Department of Clinical Neurosciences, University of Cambridge, UK
NHS Honorary Consultant Neurologist, Cambridge University Hospitals
- 2010– **Life Member**, Clare Hall College, University of Cambridge, Cambridge, UK

FUNDING TRACK RECORD

- 2017– “**A new noradrenergic strategy to treat Impulsivity in Progressive Supranuclear Palsy**” (Medical Research Council, MRC project grant, UK, 01/04/2017-31/03/2020): FEC £805.000 REF: MR/P01271X/1
- 2016– “**Brain Mechanisms of Chronic Subjective Dizziness**” (Ricerca Finalizzata, Ministero della Salute, 01/07/2016-30/06/2019): FEC €450.000, Project code: PE-2013-02355372
- 2013–2018 “**Neuroimaging of Inflammation in MemoRy and Other Disorders (NIMROD) study**” (funded by UK NIHR Biomedical Research Unit in Dementia, 01/03/2013-30/03/2018): FEC £1.2 million (REF: NIHR, RG64473)
- 2007–2010 “**Neuroimaging of adolescents with disruptive behaviour disorders: structural and functional studies**” (Wellcome Trust project grant, 01/11/2007-30/10/2010): FEC £250.000 (REF 07/H0307/102)

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SELECTED LIST OF PUBLICATIONS

1. **L Passamonti**, KA Tsvetanov, PS Jones, WR Bevan-Jones, et al., *Journal of Neuroscience*, 2019, 9(36):7218-7226
First study to show, in vivo, the effect of neuroinflammation on brain network function in Alzheimer’s disease. I conceived the experiment, carried out it, performed the analyses, and wrote the manuscript.
2. **L Passamonti**, P Vázquez Rodríguez, YT Hong, KSJ Allinson, et al., *Brain*, 2017, 140 (3), 781-791
First study to assess the role of 18F-AV-1451 PET ligand to imagine in vivo tau pathology in two tauopathies. I conceived the experiment, carried out it, performed the analyses, and wrote the manuscript.
3. **L Passamonti**, MJ Crockett, AM Apergis-Schoute, L Clark, et al., *Biological Psychiatry*, 2012, 71 (1), 36-43
This study showed that tryptophan depletion alters brain functional connectivity in relation to personality traits. I conceived the experiment, carried out it, performed the analyses, and wrote the manuscript.
4. **L Passamonti**, F Novellino, A Cerasa, C Chiriaco, et al., *Brain*, 2011, 134 (8), 2274-2286
First study to show the neural correlates of cognitive impairments in essential tremor. I conceived the experiment, carried out it, performed the analyses, and wrote the manuscript.
5. **L. Passamonti**, G Fairchild, IM Goodyer, G Hurford, et al., *JAMA Psychiatry*, 2010, 67 (7), 729-38.
First study to demonstrate the brain basis of childhood- and adolescent-onset conduct disorder. I conceived the experiment, carried out it, performed the analyses, and wrote the manuscript.

FELLOWSHIPS & AWARDS

- 2008–2011 **Betty Behrens Research Fellowship**, Clare Hall College, University of Cambridge, UK
3-years research, title of the project: “Understanding the neurobiology of aggression”
- 2009 **Award “Young Researcher in Neurology”**, Superior Health Institute, Italy
Contribution: “Brain mechanisms of emotional processing in multiple sclerosis”

SUPERVISION of Graduate and Undergraduate students, PHDs, and Post-Doctoral Fellows

- 2019– **Undergraduate students (4)**, University of Cambridge, Cambridge, UK, “Advanced Topics in Personality Research”
- 2017– **Post-Docs (2)**, University of Cambridge, Cambridge, UK
Project: “A new noradrenergic strategy to treat Impulsivity in Progressive Supranuclear Palsy”
- 2013–2016 **PhD student (1)**, University “Magna Graecia”, Catanzaro, Italy
Project: “Influence of personality traits on brain vestibular and anxiety systems”
- 2011–2015 **Master students (30)**, University “Magna Graecia”, Catanzaro, Italy
Training project: “Functional neuroimaging in cognitive neuroscience”

TEACHING ACTIVITIES & DISSEMINATION TO THE LAY-PUBLIC

- 2019 **Psychology Teaching**- 8 lectures series in “Advanced Topics in Personality Research”, University of Cambridge, UK,
- 2018–2019 **Teaching Tutor**– Oxford Summer Studies, Cambridge, UK, 20-hrs module, title: “Introduction to Brain anatomy and Function”
- 2018 **Pint of Science**– Castle Bar, Cambridge, UK Lay Public event popularizing research on progressive supranuclear palsy
- 2014 **Part-time Lecturer**– University “Magna Graecia”, Catanzaro, Italy, 60-hrs module, title: “Advanced Neuroimaging in Neuropsychiatric Disorders”

2013 **Part-time Lecturer**– University “Magna Graecia”, Catanzaro, Italy, 60-hrs module, title: “Social, Cognitive & Affective Neuroscience”

ORGANISATION OF WORKSHOP FOR PHD STUDENTS & TECHNICAL STAFF

2013 Organizer and speaker: “SPM course”, University “Magna Graecia”
2011 Organizer: “Introduction to magnetic resonance imaging”, University “Magna Graecia”

COMMISSIONS OF TRUST, EDITORIAL ACTIVITY

2011– Review member, Wellcome Trust (WT), Economic and Social Research Council (ESRC), UK
2010– Editorial board, Personality Neuroscience, ISRN Radiology journal, Journal of Concussion
2009–2011 Scientific evaluation member, Institute of Neurological Sciences, CNR, Italy
2009– Scientific reviewing activity. See [Publons](#) for further details.

INVITED KEYNOTE LECTURES, MAIN SPEAKER

2019 Brescia Summer School in Neurodegeneration, Brescia, Italy
2019 Molecular imaging in Neurodegeneration, San Raffaele Hospital, Milano, Italy
2018 44th Conference “Psychologie”, Gehirn, Germany
2018 Symposium “Imaging of Locus Coeruleus”, Magdeburg, Germany
2017 Congrès Français de Psychiatrie, Lyon, France
2017 British Association for Psychopharmacology, Summer Meeting “Exploring the relationship between neuropathology and symptoms”, Harrogate, North Yorkshire, UK
2016 Macau Higher School “Neural basis of conduct disorder”, Clare Hall College, Cambridge, UK
2016 Molecular Imaging Festival “Imaging Tau in Alzheimer’s disease and progressive supranuclear palsy”, Dept. of Radiology, Addenbrookes’ Hospital, Cambridge, UK
2015 Dept. of Psychiatry seminars “Brain mechanisms of impulsive and aggressive behaviours”, University of Cambridge, UK
2014 Symposium “Mechanisms of Disturbed Emotion Regulation”, Heidelberg, Germany
2014 Symposium “The Antisocial Brain in Young People: Ongoing & Future Research”, University of Southampton, UK
2010 Brain Sciences Initiative “The Biannual Neuropsychiatry of Multiple Sclerosis” Sunnybrook Hospital, Toronto, Canada
2009 Symposium “Behavioral inhibition and approach systems in the brain”, The Endo-Neuro-Psychological Meeting, Doorwerth, Netherlands
2008 Clinical Neuroscience Section: “The Neurology of Emotions”, The Royal Society of Medicine, London, UK

FULL PUBLICATION LIST (108 papers; 23-1st author, 19-2nd author, 13-last author)

2019 (17)

- 1 Brown, F. S., Rowe, J. B., **Passamonti, L.** & Rittman, T. “Falls in Progressive Supranuclear Palsy”. **Movement Disorders: Clinical Practice** (In Press).
- 2 Valenza, G., Sclocco, R., Duggento, A., **Passamonti, L.**, Napadow, V., Barbieri, R. & Toschi, N. “The central autonomic network at rest: Uncovering functional MRI correlates of time-varying autonomic outflow”. **Neuroimage** 197, 383-390, doi:10.1016/j.neuroimage.2019.04.075 (2019).
- 3 Toschi, N. & **Passamonti, L.** “Intra-cortical myelin mediates personality differences”. **J Pers** 87, 889-902, doi:10.1111/jopy.12442 (2019).
- 4 Toschi, N., Gisbert, R. A., **Passamonti, L.**, Canals, S. & De Santis, S. “Multi-shell diffusion imaging reveals sex-specific trajectories of early white matter degeneration in normal aging”. **Neurobiology of Aging**, doi:10.1016/j.neurobiolaging.2019.11.014 (2019).
- 5 Spasov, S., **Passamonti, L.**, Duggento, A., Lio, P., Toschi, N. & Alzheimer’s Disease Neuroimaging, I. “A parameter-efficient deep learning approach to predict conversion from mild cognitive impairment to Alzheimer’s disease”. **Neuroimage** 189, 276-287, doi:10.1016/j.neuroimage.2019.01.031 (2019).

- 6 **Passamonti, L.**, Tsvetanov, K. A., Jones, P. S., Bevan-Jones, W. R., Arnold, R., Borchert, R. J., Mak, E., Su, L., O'Brien, J. T. & Rowe, J. B. "Neuroinflammation and Functional Connectivity in Alzheimer's Disease: Interactive Influences on Cognitive Performance". *J Neurosci* 39, 7218-7226, doi:10.1523/JNEUROSCI.2574-18.2019 (2019).
- 7 **Passamonti, L.**, Riccelli, R., Indovina, I., Duggento, A., Terracciano, A. & Toschi, N. "Time-resolved connectome of the five-factor model of personality". *Sci Rep* 9, 15066, doi:10.1038/s41598-019-51469-2 (2019).
- 8 Nigro, S., Indovina, I., Riccelli, R., Chiarella, G., Petrolo, C., Lacquaniti, F., Staab, J. P. & **Passamonti, L.** "Reduced cortical folding in multi-modal vestibular regions in persistent postural perceptual dizziness". *Brain Imaging Behav* 13, 798-809, doi:10.1007/s11682-018-9900-6 (2019).
- 9 Nicastro, N., Rodriguez, P. V., Malpetti, M., Bevan-Jones, W. R., Simon Jones, P., **Passamonti, L.**, Aigbirhio, F. I., O'Brien, J. T. & Rowe, J. B. "(18)F-AV1451 PET imaging and multimodal MRI changes in progressive supranuclear palsy". *J Neurol*, doi:10.1007/s00415-019-09566-9 (2019).
- 10 Low, A., Mak, E., Malpetti, M., Chouliaras, L., Nicastro, N., Su, L., Holland, N., Rittman, T., Rodriguez, P. V., **Passamonti, L.**, Bevan-Jones, W. R., Jones, P. S., Rowe, J. B. & O'Brien, J. T. "Asymmetrical atrophy of thalamic subnuclei in Alzheimer's disease and amyloid-positive mild cognitive impairment is associated with key clinical features". *Alzheimers Dement (Amst)* 11, 690-699, doi:10.1016/j.dadm.2019.08.001 (2019).
- 11 Indovina, I., Conti, A., Lacquaniti, F., Staab, J. P., **Passamonti, L.** & Toschi, N. "Lower Functional Connectivity in Vestibular-Limbic Networks in Individuals With Subclinical Agoraphobia". *Front Neurol* 10, 874, doi:10.3389/fneur.2019.00874 (2019).
- 12 Duggento, A., Valenza, G., **Passamonti, L.**, Nigro, S., Bianco, M. G., Guerrisi, M., Barbieri, R. & Toschi, N. "A Parsimonious Granger Causality Formulation for Capturing Arbitrarily Long Multivariate Associations". *Entropy* 21, 629 (2019).
- 13 Conti, A., Duggento, A., Guerrisi, M., **Passamonti, L.**, Indovina, I. & Toschi, N. "Variability and Reproducibility of Directed and Undirected Functional MRI Connectomes in the Human Brain". *Entropy* 21, 661 (2019).
- 14 Borchert, R. J., Rittman, T., Rae, C. L., **Passamonti, L.**, Jones, S. P., Vatansever, D., Vázquez Rodríguez, P., Ye, Z., Nombela, C., Hughes, L. E., Robbins, T. W. & Rowe, J. B. "Atomoxetine and citalopram alter brain network organization in Parkinson's disease". *Brain Communications* 1, doi:10.1093/braincomms/fcz013 (2019).
- 15 Bevan-Jones, W. R., Cope, T. E., Jones, P. S., **Passamonti, L.**, Hong, Y. T., Fryer, T., Arnold, R., Coles, J. P., Aigbirhio, F. I., O'Brien, J. T. & Rowe, J. B. "In vivo evidence for pre-symptomatic neuroinflammation in a MAPT mutation carrier". *Ann Clin Transl Neurol* 6, 373-378, doi:10.1002/acn3.683 (2019).
- 16 Betts, M. J., Kirilina, E., Otaduy, M. C. G., Ivanov, D., Acosta-Cabronero, J., Callaghan, M. F., Lambert, C., Cardenas-Blanco, A., Pine, K., **Passamonti, L.**, Loane, C., Keuken, M. C., Trujillo, P., Lusebrink, F., Mattern, H., Liu, K. Y., Priovoulos, N., Fliessbach, K., Dahl, M. J., Maass, A., Madelung, C. F., Meder, D., Ehrenberg, A. J., Speck, O., Weiskopf, N., Dolan, R., Inglis, B., Tosun, D., Morawski, M., Zucca, F. A., Siebner, H. R., Mather, M., Uludag, K., Heinsen, H., Poser, B. A., Howard, R., Zecca, L., Rowe, J. B., Grinberg, L. T., Jacobs, H. I. L., Duzel, E. & Hammerer, D. "Locus coeruleus imaging as a biomarker for noradrenergic dysfunction in neurodegenerative diseases". *Brain* 142, 2558-2571, doi:10.1093/brain/awz193 (2019).
- 17 Aiello, M., Cavaliere, C., Fiorenza, D., Duggento, A., **Passamonti, L.** & Toschi, N. "Neuroinflammation in Neurodegenerative Diseases: Current Multi-modal Imaging Studies and Future Opportunities for Hybrid PET/MRI". *Neuroscience* 403, 125-135, doi:10.1016/j.neuroscience.2018.07.033 (2019).
- 2018 (16)**
- 18 Toschi, N., Riccelli, R., Indovina, I., Terracciano, A. & **Passamonti, L.** "Functional connectome of the five-factor model of personality". *Personal Neurosci* 1, doi:10.1017/pen.2017.2 (2018).

- 19 Surendranathan, A., Su, L., Mak, E., **Passamonti, L.**, Hong, Y. T., Arnold, R., Vazquez Rodriguez, P., Bevan-Jones, W. R., Brain, S. A. E., Fryer, T. D., Aigbirhio, F. I., Rowe, J. B. & O'Brien, J. T. "Early microglial activation and peripheral inflammation in dementia with Lewy bodies". **Brain** 141, 3415-3427, doi:10.1093/brain/awy265 (2018).
- 20 Spasov, S. E., **Passamonti, L.**, Duggento, A., Lio, P. & Toschi, N. "A Multi-modal Convolutional Neural Network Framework for the Prediction of Alzheimer's Disease". **Conf Proc IEEE Eng Med Biol Soc** 2018, 1271-1274, doi:10.1109/EMBC.2018.8512468 (2018).
- 21 Skandali, N., Rowe, J. B., Voon, V., Deakin, J. B., Cardinal, R. N., Cormack, F., **Passamonti, L.**, Bevan-Jones, W. R., Regenthal, R., Chamberlain, S. R., Robbins, T. W. & Sahakian, B. J. "Dissociable effects of acute SSRI (escitalopram) on executive, learning and emotional functions in healthy humans". **Neuropsychopharmacology** 43, 2645-2651, doi:10.1038/s41386-018-0229-z (2018).
- 22 Seemungal, B. M. & **Passamonti, L.** "Persistent postural-perceptual dizziness: a useful new syndrome". **Pract Neurol** 18, 3-4, doi:10.1136/practneurol-2017-001817 (2018).
- 23 **Passamonti, L.**, Rodriguez, P. V., Hong, Y. T., Allinson, K. S. J., Bevan-Jones, W. R., Williamson, D., Jones, P. S., Arnold, R., Borchert, R. J., Surendranathan, A., Mak, E., Su, L., Fryer, T. D., Aigbirhio, F. I., O'Brien, J. T. & Rowe, J. B. "[11C]PK11195 binding in Alzheimer disease and progressive supranuclear palsy". **Neurology** 90, e1989-e1996, doi:10.1212/WNL.0000000000005610 (2018).
- 24 **Passamonti, L.**, Riccelli, R., Lacquaniti, F., Staab, J. P. & Indovina, I. "Brain responses to virtual reality visual motion stimulation are affected by neurotic personality traits in patients with persistent postural-perceptual dizziness". **J Vestib Res** 28, 369-378, doi:10.3233/VES-190653 (2018).
- 25 **Passamonti, L.**, Lansdall, C. J. & Rowe, J. B. "The neuroanatomical and neurochemical basis of apathy and impulsivity in frontotemporal lobar degeneration". **Curr Opin Behav Sci** 22, 14-20, doi:10.1016/j.cobeha.2017.12.015 (2018).
- 26 Mak, E., Bethlehem, R. A. I., Romero-Garcia, R., Cervenka, S., Rittman, T., Gabel, S., Surendranathan, A., Bevan-Jones, W. R., **Passamonti, L.**, Vazquez Rodriguez, P., Su, L., Arnold, R., Williams, G. B., Hong, Y. T., Fryer, T. D., Aigbirhio, F. I., Rowe, J. B. & O'Brien, J. T. "In vivo coupling of tau pathology and cortical thinning in Alzheimer's disease". **Alzheimers Dement (Amst)** 10, 678-687, doi:10.1016/j.dadm.2018.08.005 (2018).
- 27 Indovina, I., Riccelli, R., **Passamonti, L.**, Maffei, V., Bosco, G., Lacquaniti, F. & Toschi, N. "Structural connectome of the human vestibular, pre-motor, and navigation network". **Conf Proc IEEE Eng Med Biol Soc** 2018, 588-591, doi:10.1109/EMBC.2018.8512399 (2018).
- 28 Ewbank, M. P., **Passamonti, L.**, Hagan, C. C., Goodyer, I. M., Calder, A. J. & Fairchild, G. "Psychopathic traits influence amygdala-anterior cingulate cortex connectivity during facial emotion processing". **Soc Cogn Affect Neurosci** 13, 525-534, doi:10.1093/scan/nsy019 (2018).
- 29 Duggento, A., **Passamonti, L.**, Valenza, G., Barbieri, R., Guerrisi, M. & Toschi, N. "Multivariate Granger causality unveils directed parietal to prefrontal cortex connectivity during task-free MRI". **Sci Rep** 8, 5571, doi:10.1038/s41598-018-23996-x (2018).
- 30 Duggento, A., **Passamonti, L.**, Guerrisi, M. & Toschi, N. "A realistic neuronal network and neurovascular coupling model for the study of multivariate directed connectivity in fMRI data". **Conf Proc IEEE Eng Med Biol Soc** 2018, 5537-5540, doi:10.1109/EMBC.2018.8513589 (2018).
- 31 Cope, T. E., Rittman, T., Borchert, R. J., Jones, P. S., Vatansever, D., Allinson, K., **Passamonti, L.**, Vazquez Rodriguez, P., Bevan-Jones, W. R., O'Brien, J. T. & Rowe, J. B. "Tau burden and the functional connectome in Alzheimer's disease and progressive supranuclear palsy". **Brain** 141, 550-567, doi:10.1093/brain/awx347 (2018).
- 32 Bevan-Jones, W. R., Cope, T. E., Jones, P. S., **Passamonti, L.**, Hong, Y. T., Fryer, T. D., Arnold, R., Allinson, K. S. J., Coles, J. P., Aigbirhio, F. I., Patterson, K., O'Brien, J. T. & Rowe, J. B. "[18F]AV-1451 binding in vivo mirrors the expected distribution of TDP-43 pathology in the semantic variant of primary progressive aphasia". **J Neurol Neurosurg Psychiatry** 89, 1032-1037, doi:10.1136/jnnp-2017-316402 (2018).

- 33 Bevan-Jones, R. W., Cope, T. E., Jones, S. P., **Passamonti, L.**, Hong, Y. T., Fryer, T., Arnold, R., Coles, J. P., Aigbirhio, F. A., Patterson, K., O'Brien, J. T. & Rowe, J. B. "[¹⁸F]AV-1451 binding is increased in frontotemporal dementia due to C9orf72 expansion". *Ann Clin Transl Neurol* 5, 1292-1296, doi:10.1002/acn3.631 (2018).

2017 (16)

- 34 Valenza, G., Duggento, A., **Passamonti, L.**, Diciotti, S., Tessa, C., Toschi, N. & Barbieri, R. "Resting-state brain correlates of cardiovascular complexity". *Conf Proc IEEE Eng Med Biol Soc* 2017, 3317-3320, doi:10.1109/EMBC.2017.8037566 (2017).
- 35 Valenza, G., Duggento, A., **Passamonti, L.**, Diciotti, S., Tessa, C., Barbieri, R. & Toschi, N. "Resting-state brain correlates of instantaneous autonomic outflow". *Conf Proc IEEE Eng Med Biol Soc* 2017, 3325-3328, doi:10.1109/EMBC.2017.8037568 (2017).
- 36 Toschi, N., Duggento, A. & **Passamonti, L.** "Functional connectivity in amygdalar-sensory/(pre)motor networks at rest: new evidence from the Human Connectome Project". *Eur J Neurosci* 45, 1224-1229, doi:10.1111/ejn.13544 (2017).
- 37 Savulich, G., Riccelli, R., **Passamonti, L.**, Correia, M., Deakin, J. F., Elliott, R., Flechais, R. S., Lingford-Hughes, A. R., McGonigle, J., Murphy, A., Nutt, D. J., Orban, C., Paterson, L. M., Reed, L. J., Smith, D. G., Suckling, J., Tait, R., Taylor, E. M., Sahakian, B. J., Robbins, T. W. & Ersche, K. D. "Effects of naltrexone are influenced by childhood adversity during negative emotional processing in addiction recovery". *Transl Psychiatry* 7, e1054, doi:10.1038/tp.2017.34 (2017).
- 38 Riccelli, R., Toschi, N., Nigro, S., Terracciano, A. & **Passamonti, L.** "Surface-based morphometry reveals the neuroanatomical basis of the five-factor model of personality". *Soc Cogn Affect Neurosci* 12, 671-684, doi:10.1093/scan/nsw175 (2017).
- 39 Riccelli, R., **Passamonti, L.**, Toschi, N., Nigro, S., Chiarella, G., Petrolo, C., Lacquaniti, F., Staab, J. P. & Indovina, I. "Altered Insular and Occipital Responses to Simulated Vertical Self-Motion in Patients with Persistent Postural-Perceptual Dizziness". *Front Neurol* 8, 529, doi:10.3389/fneur.2017.00529 (2017).
- 40 Riccelli, R., **Passamonti, L.**, Duggento, A., Guerrisi, M., Indovina, I. & Toschi, N. "Dynamic inter-network connectivity in the human brain". *Conf Proc IEEE Eng Med Biol Soc* 2017, 3313-3316, doi:10.1109/EMBC.2017.8037565 (2017).
- 41 Riccelli, R., **Passamonti, L.**, Duggento, A., Guerrisi, M., Indovina, I., Terracciano, A. & Toschi, N. "Dynamical brain connectivity estimation using GARCH models: An application to personality neuroscience". *Conf Proc IEEE Eng Med Biol Soc* 2017, 3305-3308, doi:10.1109/EMBC.2017.8037563 (2017).
- 42 Riccelli, R., Indovina, I., Staab, J. P., Nigro, S., Augimeri, A., Lacquaniti, F. & **Passamonti, L.** "Neuroticism modulates brain visuo-vestibular and anxiety systems during a virtual rollercoaster task". *Hum Brain Mapp* 38, 715-726, doi:10.1002/hbm.23411 (2017).
- 43 **Passamonti, L.**, Vazquez Rodriguez, P., Hong, Y. T., Allinson, K. S., Williamson, D., Borchert, R. J., Sami, S., Cope, T. E., Bevan-Jones, W. R., Jones, P. S., Arnold, R., Surendranathan, A., Mak, E., Su, L., Fryer, T. D., Aigbirhio, F. I., O'Brien, J. T. & Rowe, J. B. "¹⁸F-AV-1451 positron emission tomography in Alzheimer's disease and progressive supranuclear palsy". *Brain* 140, 781-791, doi:10.1093/brain/aww340 (2017).
- 44 **Passamonti, L.**, Luijten, M., Ziauddeen, H., Coyle-Gilchrist, I. T. S., Rittman, T., Brain, S. A. E., Regenthal, R., Franken, I. H. A., Sahakian, B. J., Bullmore, E. T., Robbins, T. W. & Ersche, K. D. "Atomoxetine effects on attentional bias to drug-related cues in cocaine dependent individuals". *Psychopharmacology (Berl)* 234, 2289-2297, doi:10.1007/s00213-017-4643-4 (2017).
- 45 Mak, E., Gabel, S., Su, L., Williams, G. B., Arnold, R., **Passamonti, L.**, Vazquez Rodriguez, P., Surendranathan, A., Bevan-Jones, W. R., Rowe, J. B. & O'Brien, J. T. "Multi-modal MRI investigation of volumetric and microstructural changes in the hippocampus and its subfields in mild cognitive impairment, Alzheimer's disease, and dementia with Lewy bodies". *Int Psychogeriatr* 29, 545-555, doi:10.1017/S1041610216002143 (2017).

- 46 Fairchild, G. & **Passamonti, L.** "How Does Adversity "Get Under the Skin" to Lead to the Development of Antisocial Behavior?". *Biol Psychiatry* 82, 237-238, doi:10.1016/j.biopsych.2017.05.021 (2017).
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