Curriculum Vitae

Jonathan Smallwood

Professor: Department of Psychology, Queens University, Ontario, Canada

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Previous positions

2013-2020 Professor In Psychology, *University of York, England, UK.*

2011–2013 Senior Researcher – *Max Planck Institute, Leipzig, Germany.*

2010–2011 Assistant Project Scientist, Step 3 – *University of California, Santa Barbara, USA*.

2008–2010 Assistant Project Scientist, Step 1 – *University of California, Santa Barbara, USA*.

2006–2008 Lecturer in Psychology – *University of Aberdeen, Aberdeen, UK*.

2004–2006 Post Doctoral Researcher – *University of British Columbia, Vancouver, Canada*.

Qualifications

2002 PhD Psychology *'Task unrelated thought: understanding the process of cognition'*. University of Strathclyde, Glasgow, UK.

1996 BA (Honours) Psychology (2:1). University of Strathclyde, Glasgow, UK

Research Funding.

In total I have been awarded more that $3,000,000 USD of external research funds.

Major Awards

Schooler, J. and Smallwood, J. 2006-2010, 'Mind-wandering, meta-awareness, & ADHD', Canadian Institute of Health Research, $225,219.

Schooler, J. and Smallwood, J. 2011-2014, 'Mind-wandering during reading', Department of Education: Institute of Education Sciences, $1,750,000.

Smallwood, J. 2013-2016, 'Reading the wandering mind in the eyes', Defence Science and Technology Laboratory, £107, 605.

Smallwood, J. 2014-2016, 'Towards an understanding of the uniqueness of prospective thought', John Templeton Foundation, $150,000.

Smallwood, J. Callard F. and Margulies, D., 2015-2017, 'Wandering minds: Interdisciplinary experiments on self-generated thought', VolkswagenStiftung, € 395,000.

Smallwood, J. 2015-2020, 'Wandering minds', European Research Council, €1,800 000.

Smallwood J. and Jefferies E., 2016-2017, 'Understanding the significance of age related declines in self-generated thought', Dunhill Medical Trust, £30,000.

Scholarly work

< 160 peer reviewed papers. H – index: 60 Citations: 16339 (Source Google Scholar)

Selected recent publications:

Ho, N. S. P., X. Wang, D. Vatansever, D. Margulies, B. Bernhardt, E. Jefferies and J. Smallwood (2019). "Individual variation in patterns of task focused, and detailed, thought are uniquely associated within the architecture of the medial temporal lobe." *NeuroImage*: 116045.

Jefferies, E., H. Thompson, P. Cornelissen and J. Smallwood (2019). "The neurocognitive basis of knowledge about object identity and events: Dissociations reflect opposing effects of semantic coherence and control." *Philosophical Transactions of the Royal Society B: Biological Sciences*.

Turnbull, A., H. Wang, C. Murphy, N. Ho, X. Wang, M. Sormaz, T. Karapanagiotidis, R. Leech, B. Bernhardt et al. (2019). "Left dorsolateral prefrontal cortex supports context-dependent prioritisation of off-task thought." *Nature communications* 10(1): 1-10.

Paquola, C., R. V. De Wael, K. Wagstyl, R. A. Bethlehem, S.-J. Hong, J. Seidlitz, E. T. Bullmore, A. C. Evans, B. Misic et al. (2019). "Microstructural and functional gradients are increasingly dissociated in transmodal cortices." *PLoS biology* 17(5): e3000284.

Hong, SK, de Wael, RV, et al., (2019). Atypical functrional connectome hierarchy in autism, *Nature Communications*, 10 (1), 1022.

de Wael RV, Larivière S, Caldairou B, Hong S-J, Margulies DS, Jefferies E, et al. Anatomical and microstructural determinants of hippocampal subfield functional connectome embedding. *Proceedings of the National Academy of Sciences*. 2018;115(40):10154-9.

Kernbach JM, Yeo BT, Smallwood J, Margulies DS, de Schotten MT, Walter H, et al. Subspecialization within default mode nodes characterized in 10,000 UK Biobank participants. *Proceedings of the National Academy of Sciences.* 2018;115(48):12295-300.

Murphy C, Wang H-T, Konu D, Lowndes R, Margulies DS, Jefferies E, et al. (2019). Modes of operation: A topographic neural gradient supporting stimulus dependent and independent cognition. *NeuroImage.* 2019;186:487-96.

Seli P, Kane MJ, Metzinger T, Smallwood J, Schacter DL, Maillet D, et al. The family-resemblances framework for mind-wandering remains well clad. *Trends in cognitive sciences*. 2018;22(11):959-61.

Turnbull A, Wang H-T, Schooler JW, Jefferies E, Margulies DS, Smallwood J. The ebb and flow of attention: between-subject variation in intrinsic connectivity and cognition associated with the dynamics of ongoing experience. *Neuroimage*. 2019;185:286-99.

Vatansever D, Bozhilova NS, Asherson P, Smallwood J. The devil is in the detail: exploring the intrinsic neural mechanisms that link attention-deficit/hyperactivity disorder symptomatology to ongoing cognition. *Psychological medicine*. 2018:1-10.

Sormaz, M, Murphy, C.M., Wang, H.T, Hymers, M., Karapaganatidis, T., Poerio, G.P., Margulies., D.M., Jefferies., B & Smallwood, J.M. (2018). The default mode network can support vivid detailed experiences related to an active task state. *Proc. Natl Acad Sci USA*.

Wang, H.T., Poerio, G.P., Murphy, C.M., Bzdok, D., Jefferies, E., Smallwood, J. (2017). Dimensions of experience: Exploring the heterogeneity of the mind-wandering state. *Psychological Science*.

Golchert, J., Smallwood, J., Jefferies, E., Seli, P., Huntenburg, J. M., Liem, F., . . . Margulies, D. S. (2017). Individual variation in intentionality in the mind-wandering state is reflected in the integration of the default-mode, fronto-parietal, and limbic networks. *Neuroimage, 146*, 226-235. doi:10.1016/j.neuroimage.2016.11.025

Konishi, M., Brown, K., Battaglini, L., Smallwood, J. (2017). When attention wanders: pupillometric signatures of fluctuations in external attention. *Cognition*, 168, 16-26.

Margulies, D. S., Ghosh, S. S., Goulas, A., Falkiewicz, M., Huntenburg, J. M., Langs, G., . . . Smallwood, J. (2016). Situating the default-mode network along a principal gradient of macroscale cortical organization. *Proc Natl Acad Sci U S A, 113*(44), 12574-12579. doi:10.1073/pnas.1608282113

Smallwood, J., & Schooler, J. W. (2015). The science of mind wandering: empirically navigating the stream of consciousness. *Annu Rev Psychol, 66*, 487-518. doi:10.1146/annurev-psych-010814-015331

Franklin, M. S., Mrazek, M. D., Anderson, C. L., Johnston, C., Smallwood, J., Kingstone, A., & Schooler, J. W. (2014). Tracking Distraction: The Relationship Between Mind-Wandering, Meta-Awareness, and ADHD Symptomatology. *J Atten Disord*. doi:10.1177/1087054714543494

Engert, V., Smallwood, J., & Singer, T. (2014). Mind your thoughts: associations between self-generated thoughts and stress-induced and baseline levels of cortisol and alpha-amylase. *Biol Psychol, 103*, 283-291. doi:10.1016/j.biopsycho.2014.10.004

Review Activities

Editorial Boards. *Psychological Bulletin*, *Psychology of Consciousness: Theory, Research and Practice, Mindfulness, Frontiers in Neuroscience, Frontiers of Psychology* Special Issue on Mind-Wandering (Associate Editor)

Ad-hoc Reviews for Journals

Addiction Theory & Research; Applied Cognitive Psychology; Biological Psychology; British Journal of Psychology; British Journal of Clinical Psychology; Brain Research; Cognition; Cognition & Emotion; Cognitive Science; Consciousness & Cognition; European Journal of Cognitive Psychology; European Journal of Neuroscience, Frontiers in Neuroscience; Frontiers in Psychology, Human Factors; Journal of Affective Disorders; Journal of Experimental Psychology – Learning Memory & Cognition; Journal of Experimental Psychology: Human Perception and Performance, Journal of Cognitive Neuroscience; Journal of Experimental Social Psychology; Journal of Personality; Journal of Personality & Social Psychology; Memory & Cognition; Mindfulness; Nature Neuroscience; Nature Human Behaviour; Personality & Social Psychology Bulletin; Physiology & Behaviour; Proceedings of the National Academy of Science, Perspectives on Psychological Science; Psychological Science; Psychology & Aging; Psychonomic Bulletin & Review; PLoS One; Science; Trends in Cognitive Science, Trends in Neuroscience.

Grant Reviews

Welcome Trust, National Science Foundation, Agence Recherche Francais (ARF), Netherlands Organization for Scientific Research, European Research Council.

Academic Supervision

2008-2013	Mike Mrazek (University of California, Santa Barbara, USA)
2009-2014	Ben Baird (University of California, Santa Barbara, USA)
2011-2016	Haakon Engen (Max Planck Institute, Leipzig, Germany)
2011-2016	Marjan Sharifi (Max Planck Institute, Leipzig, Germany)
2012-2015	Florence Ruby (University of York, UK)
2013-2017	Johannes Golchert (Max Planck Institute, Leipzig, Germany)
2013-2016	Mahiko Konishi (University of York, UK)

2014-2018	Zach Cotter (University of York, UK)
2014-2018	Irene de Caso (University of York, UK)
2015-2018	Hao-ting Wang (University of York, UK)
2015-2019	Theodoros Karapaganatidos (University of York, UK)
2015-present	Tirso Gonzalez (University of York, UK)
2016-present	Xiuyi Wang (University of York, UK)
2016-present	Lucilla Lanzoni (University of York, UK)
2016-present	Meichao Zang (2016-present)
2016-presnt	Adam Turnbull (University of York, UK)
2019-present	Delali Konu (University of York)
2019-present	Bronte McKeown (University of York)

Presentations

Keynote Addresses

2nd conference for Neuroscience in Education, Abu Dhabi, 2017; *Killam Lecture*, Montreal Neurological Institute, 2015; *Whitehead lecture*, Goldsmiths University, 2015; *MINDLab Retreat*, Sanderburg, Denmark, 2013; *Cortex*, Lyon, 2013; *Towards a Science of Consciousness*, Tucson, USA, 2013.

Departmental Seminars

Nathan Kline Institute, Duke University, University of Helsinki, University of Kyoto, University College London, Kings College London, University of Herfordshire, Institute of Psychiatry, University of Sussex, University of Toulouse, MRC Cognition and Brain Unit, Tilburg University, University of Pottsdam, Max Plank Instiute for Human Cognitive Brain Science (Leipzig), Central Institute for Mental Health, Ecole Normale Superieur, University of Hamburg, University of Liege.

Outreach Activities

Public Lectures: Pint of Science: Matters of the mind (2014), YorNight (2015)

Media Coverage: BBC (The One Show, CrowdScience), Daily Telegraph, Daily Mail, New Scientist, New York Times, National Public Radio, Easy Living, Scientific American, Discover Magazine, Psychologist, New Statesmen.