

Dr Fiona McNab PhD

Research Fellow

[School of Psychology \(/schools/psychology/index.aspx\)](/schools/psychology/index.aspx)

Contact details

Email f.mcnaab@bham.ac.uk (<mailto:f.mcnaab@bham.ac.uk>)

School of Psychology
University of Birmingham
Edgbaston
Birmingham
B15 2TT
UK



About

Dr McNab's main research interest is working memory (WM); the ability to hold information in mind for a short time. She uses fMRI and behavioral studies to investigate the limitations of WM, distraction in WM, how aging affects WM and other cognitive functions, and how WM can be improved with cognitive training.

Qualifications

PhD

Biography

Since her PhD, Fiona McNab completed postdoctoral work at Exeter University, The Karolinska Institute in Sweden, and UCL.

Postgraduate supervision

Dr McNab currently supervises two MSc project students.

Research

Working memory (WM) is the ability to hold information in mind for a short time. Dr McNab studies the limitations of WM, distraction in WM, how aging affects WM and other cognitive functions, and how WM can be improved with cognitive training.

Publications

- Brown, H.R., Zeidman, P., Smittenaar, P., Adams, R.A., **McNab, F.**, Rutledge, R.B. & Dolan, R.J. (2014) Crowdsourcing for cognitive science - the utility of smartphones. *PLoS One*, 9(7):e100662
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- Klingberg, T. & **McNab, F.** (2009) Working memory remediation and the D1 receptor. *American Journal of Psychiatry*, 166(5), 515-516
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- Edin, F., Klingberg, T., Johansson, P., **McNab, F.**, Tegnér, J. & Compte, A. (2009) Mechanism for top-down control of working memory capacity. *Proceedings of the National Academy of Sciences*, 106(16), 6802-6807
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- McNab, F.**, Rippon, G., Hillebrand, A., Singh, K., & Swithenby, S. (2007) Semantic and phonological task-set priming and stimulus processing investigated using magnetoencephalography (MEG). *Neuropsychologia*, 45, 1041-1054

