

Robert Douglas McIntosh, BSc. PhD.

Lecturer in Human Cognitive Neuroscience,
School of Philosophy, Psychology and Language Science
University of Edinburgh
7 George Square
Edinburgh EH8 9JZ, UK

Tel: +44 131 650 3444
Fax: +44 131 650 3461
r.d.mcintosh@ed.ac.uk

HIGHER DEGREES

PhD. 'Unilateral Neglect: Visual and Manual', Glasgow Caledonian University, gained August 1999
BSc. Psychology and Neuroscience (2i), University of Manchester, gained December 1993

PREVIOUS APPOINTMENTS

2000-2005: Addison Wheeler Research Fellow, University of Durham

2002-2003: Visiting Research Fellow, University of Queensland, Australia

1998-2000: Research Fellow, School of Psychology, University of St. Andrews

HONORARY APPOINTMENTS

2005-2009: Honorary Research Fellow, NHS Lothian University Hospitals Division

2005-2008: Honorary Research Fellow, Sunderland City Hospitals NHS Trust

2005-2008: Honorary Research Fellow, University of Durham

2003-2006: Honorary Research Fellow, Durham Healthcare Trust

2000-2002: Honorary Research Fellow, University of St. Andrews

AWARDS

2005 Elizabeth Warrington Prize, British Neuropsychological Society.

SOCIETY MEMBERSHIP

Association for Psychological Science; British Neuropsychological Society (lifetime honorary member);
European Brain & Behaviour Society; Experimental Psychology Society

AD-HOC REVIEWER

BBSRC; Behavioral Neurology; Brain; Cerebral Cortex; Chief Scientist's Office (Scottish Executive);
Cognitive Neuropsychology; Cochrane Collaboration Stroke Group; Cortex; Current Biology; ESRC;
European Journal of Neurology; Experimental Brain Research; Journal of Neurosurgery & Psychiatry;
Journal of Neuroscience; Journal of Motor Behaviour; MRC; Neuropsychologia; Quarterly Journal of
Experimental Psychology; Royal Society of London; Trends in Cognitive Sciences; Visual Cognition.

PUBLICATIONS

McIntosh RD (2000). Seeing size and weight. *Trends in Cognitive Sciences* 4: 442-444.

McIntosh RD, Brodie EE, Beschin N & Robertson IH (2000). Improving the clinical diagnosis of personal neglect: a reformulated comb and razor test. *Cortex* 36: 289-292.

Mon-Williams M & McIntosh RD (2000). A test between two hypotheses and a possible third way for the control of prehension. *Experimental Brain Research* 134: 268-273.

McIntosh RD, Pritchard CL, Dijkerman HC, Milner AD & Roberts RC (2001). Prehension and perception of size in left visual neglect. *Behavioural Neurology* 13: 3-15.

Milner AD, Dijkerman HC, Pisella L, McIntosh RD, Tilikete C, Vighetto A & Rossetti Y (2001). Grasping the past: delay can improve visuomotor performance. *Current Biology* 11: 1896-1901.

Mon-Williams M, McIntosh RD & Milner AD (2001). Vertical gaze angle as a distance cue for programming reaching: insights from visual form agnosia II (of III). *Experimental Brain Research* 139: 137-142.

Mon-Williams M, Tresilian JR, McIntosh RD & Milner AD (2001). Monocular and binocular distance cues: insights from visual form agnosia I (of III). *Experimental Brain Research* 139: 127-136.

- Pritchard CL, Dijkerman HC, McIntosh RD and Milner AD. (2001) Visual and tactile size distortion in a patient with right neglect. *Neurocase* 7: 391-396.
- Wann JP, Mon-Williams M, McIntosh RD, Smyth M & Milner AD (2001). The role of size and binocular information in guiding reaching: insights from virtual reality and visual form agnosia III (of III). *Experimental Brain Research* 139: 143-150.
- McIntosh RD, Rossetti Y & Milner AD (2002). Prism adaptation improves chronic visual and haptic neglect: a single case study. *Cortex* 38: 309-320.
- Milner AD, Dijkerman HC, McIntosh RD, Rossetti Y & Pisella L (2002). Delayed reaching and grasping in patients with optic ataxia. *Progress in Brain Research* 142: 225-242.
- Milner AD & McIntosh RD (2002). Perceptual and visuomotor processing in spatial neglect. In H.-O. Karnath, A.D. Milner and G. Vallar (Eds.), *Cognitive and Neural Bases of Spatial Neglect*, Oxford University Press, Oxford, pp. 153-166.
- Torraldo A, McIntosh RD, Dijkerman HC, Milner AD (2002). Disentangling perceptual and response bias in unilateral neglect: A methodological proposal. *Brain and Cognition* 48: 593-597.
- Dijkerman HC, McIntosh RD, Rossetti Y, Tilikete C, Roberts RC & Milner AD (2003). Ocular scanning and perceptual size distortion in hemispatial neglect: effects of prism adaptation and sequential stimulus presentation. *Experimental Brain Research*, 153: 220-230.
- Milner AD & McIntosh RD (2003). Reaching between obstacles in spatial neglect and visual extinction. *Progress in Brain Research* 144: 213-226.
- Bisiach E, McIntosh RD, Dijkerman HC, McClements KI, Colombo MR and Milner AD (2004). Visual and tactile size matching in spatial neglect. *Cortex* 40: 651-657.
- Girardi M, McIntosh RD, Michel C, Vallar G & Rossetti Y (2004). Sensorimotor effects on central space representation: Prism adaptation influences haptic and visual representations in normal subjects. *Neuropsychologia* 42: 1477-1487.
- McIntosh RD, Dijkerman HC, Mon-Williams M & Milner AD (2004). Grasping what is graspable: evidence from visual form agnosia. *Cortex* 40: 695-702.
- McIntosh RD, McClements KI, Dijkerman HC, Birchall D & Milner AD (2004). Preserved obstacle avoidance during reaching in patients with left visual neglect. *Neuropsychologia* 42, 1107-1117.
- McIntosh RD, McClements KI, Dijkerman HC & Milner AD (2004). "Mind the gap": the size-distance dissociation in visual neglect is a cueing effect. *Cortex* 40: 339-346.
- McIntosh RD, McClements KI, Schindler I, Cassidy TP, Birchall A & Milner AD (2004). Avoidance of obstacles in the absence of visual awareness. *Proceedings of the Royal Society of London B*. 271: 15-20.
- Schindler I, Rice N, McIntosh RD, Rossetti Y & Milner AD (2004). Automatic avoidance of obstacles is a dorsal stream function: evidence from optic ataxia. *Nature Neuroscience* 7: 779-784.
- Torraldo A, McIntosh RD, Dijkerman HC, Milner AD (2004). A revised method for analysing the landmark task. *Cortex* 40: 415-431.
- McIntosh RD, Schindler I, Birchall D & Milner AD (2005). Weights and measures: a new look at line bisection behaviour in neglect. *Cognitive Brain Research* 25: 833-850.
- Milner AD & McIntosh RD (2005). The neurological basis of visual neglect. *Current Opinion in Neurology* 18: 748-753.
- Rossetti Y, Revol P, McIntosh RD, Pisella L, Rode G, Danckert J, Tilikete C, Dijkerman HC, Boisson D, Vighetto A, Michel F & Milner AD (2005). Visually guided reaching: posterior parietal lesions cause a switch from visuomotor to cognitive control. *Neuropsychologia* 42: 162-177.

Schenk T, Schindler I, McIntosh RD & Milner AD (2005). The use of visual feedback is independent of awareness: evidence from visual extinction. *Experimental Brain Research* 167: 95–102.

Dijkerman HC, McIntosh, RD, Anema HA, de Haan EHF, Kappelle LJ & Milner AD (2006). Reaching errors in optic ataxia are linked to eye position rather than head or body position. *Neuropsychologia* 44: 2766-2773.

McIntosh, RD (2006). The eyes have it: oculomotor exploration and line bisection in neglect. *Cortex* 42, 692-698.

Rice NJ, McIntosh RD, Schindler I, Mon-Williams M, Demonet JF & Milner AD (2006) Intact automatic avoidance of obstacles in patients with visual form agnosia. *Experimental Brain Research* 174: 176-188.

Ambron E, McIntosh RD & Della Sala S (2008). Closing-in behaviour: a common, but little-recognised phenomenon. *Signpost* 13: 31-35.

Buonocore A & McIntosh RD (2008). Saccadic inhibition underlies the remote distractor effect. *Experimental Brain Research* 191: 117-122.

Nijboer TCW, McIntosh RD, Nys GMS, Dijkerman HC & Milner AD (2008). Prism adaptation improves voluntary but not automatic orienting in neglect. *Neuroreport* 19: 293-298.

McIntosh RD, Ambron E & Della Sala S (2008). Evidence for an attraction account of closing-in behaviour. *Cognitive Neuropsychology* 25: 376–394.

McIntosh RD & Lashley G (2008). Matching boxes: familiar size influences action programming. *Neuropsychologia* 46: 2441–2444.

Rice NJ, Edwards MG, Schindler I, Punt TD, McIntosh RD, Humphreys GW & Milner AD (2008). Delay abolishes the obstacle avoidance deficit in unilateral optic ataxia. *Neuropsychologia* 46: 1549–1557.

Schindler I, McIntosh RD, Cassidy TP, Birchall D, Benson V, Ietswaart M & Milner AD (2008). The disengage deficit in hemispatial neglect is restricted to between-object shifts and is abolished by prism adaptation. *Experimental Brain Research*, DOI: 10.1007/s00221-008-1585-4.

Ambron E, Della Sala S & McIntosh RD (2009). Animal magnetism: evidence for an attraction account of closing-in behaviour in pre-school children. *Cortex* 45: 278-284.

Ambron E, Allaria F, McIntosh RD & Della Sala S (in press). Closing-in behaviour in fronto-temporal dementia. *Journal of Neurology*.

Dijkerman HC, McIntosh RD, Schindler I, Nijboer TCW & Milner AD (in press). Choosing between alternative wrist postures: action planning needs perception. *Neuropsychologia*.
[doi:10.1016/j.neuropsychologia.2008.12.002](https://doi.org/10.1016/j.neuropsychologia.2008.12.002)

McIntosh RD (in press). Attention disorders. In EB Goldstein (Ed). *The Sage Encyclopedia of Perception*.

McIntosh RD (in press). Optic ataxia. In EB Goldstein (Ed). *The Sage Encyclopedia of Perception*.

McIntosh RD & Schenk T (in press). Two visual streams for perception and action: current trends. *Neuropsychologia*.