

Professor M. Jane Riddoch PhD, MCSP

Honorary Professor in Cognitive Neuropsychology

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About

Jane Riddoch is a cognitive neuropsychologist whose research covers visual disorders (agnosia, optic aphasia), disorders of attention (neglect, extinction) and action (apraxia, action disorganisation syndrome) and neuropsychological rehabilitation. She originally trained as a physiotherapist, then took a degree and PhD in Psychology. She has published 150 papers in leading international journals and authored/edited 5 books.

Qualifications

BSc, PhD, MCSP

Teaching

Professor Riddoch teaches courses in cognitive neuropsychology to Level 2 and Level 3 students

Postgraduate supervision

Nabeela Ahktar: Visual routines (writing up)

Hailey Wright: Human visual attention to socially salient stimuli (writing up)

Rachael Ludford: Affordances in action (writing up)

Sarah Rappaport: Unitising colour and shape: The effects of stored knowledge on visual selection (writing up)

Research

Visual attention: Grouping processes in perceptual organisation and their interaction with visual attention.

Space processing: Investigation of the neural mechanisms involved in space perception and cognition.

Mental imagery: Investigations into the equivalence of mental imagery and visual perception.

Shape and object recognition: Investigation into the nature of processing underlying object recognition.

Vision and action: Investigations into how visual information is used in the selection of actions to objects.

Other activities

2010-2011 President British Science Association (Psychology Section)

2008-2010 Committee Member of the Experimental Psychology Society

2007- Treasurer of the Federation of European Societies of Neuropsychology (ESN)

2011- External Examiner, Aberdeen University (BSc)

2009 - 2014 External Examiner, University of Edinburgh, MSc/Dip Human Cognitive Neuropsychology

2007 - 2011 External Examiner, Cardiff University (BSc)

Publications

Selected publications

Humphreys, G. W. Hodsell, J. and Riddoch, M. J. (2009). Fractionating the binding process: Neuropsychological evidence from reversed search efficiencies. *Journal of Experimental Psychology: Human Perception and Performance*, 35, 627-647

Riddoch, M. J., Rappaport, S. J. and Humphreys, G.W. (2009). Extinction: A window into attentional competition. In Narayanan Srinivasan, editors: *Progress in Brain Research*, 176, 149-159.

Humphreys, G.W. and Riddoch, M. J (2009). Fractionating object recognition. *Perception*, 38, 942-943.

Riddoch, M.J., Humphreys, G.W., and Bodley-Scott, S. (2010). No direction home: Extinction is affected by implicit motion. *Cortex*, 46, 678-684.

Riddoch M.J., Chechlacz, M., Mevorach, C. Mavritsaki, E., Allen, H. and Humphreys G.W. (2010). The neural mechanisms of visual selection: The view from neuropsychology. *Annals of New York Academy of Science*, 1191, 156-181.

Johannsen, L., Wing, A. M., Pelton, T., Kitaka, K., Zietz, D., Brittle, N., Van Vliet, P., Riddoch, M. J., Sackley, C., McManus, R. (2010). Seated bilateral leg exercise effects on hemiparetic lower extremity function in chronic stroke. *Neurorehabilitation and Neural Repair*, 24, 243-253.

Humphreys, G. W., Riddoch, M. J., Yoon, E-Y., Kumar, S. and Lestou, V. (2010). Attention and the potential for action. *British Journal of Psychology*, 101, 185-206.

Humphreys, G. W., Riddoch, M. J., Yoon, E-Y., Kumar, S. and Lestou, V. (2010). Attention and its coupling to action. *British Journal of Psychology*, 101, 217-219.

Humphreys, G.W., Wolff, M., Yoon, E-Y., and Riddoch, M.J. (2010). Effects of action relation and affordance that do and do not depend on a self-reference frame: Neuropsychological evidence. *Journal of Experimental Psychology: General*, 36,659-670 .

Yoon, E. Y., Humphreys, G. W., & Riddoch, M. J. (2010). The Paired-Object Affordance Effect. *Journal of Experimental Psychology-Human Perception and Performance*, 36(4), 812-824.

Rappaport, S. J, Riddoch, M. J. Humphreys, G. W (2011). The grouping benefit in extinction: Overcoming the temporal order bias. *Neuropsychologia*, 49, 151-155.

Riddoch, M. J., Riveros, R., & Humphreys, G. W. (2011). Functional relations trump implied motion in recovery from extinction: Evidence from the effects of animacy on extinction. *Neurocase*, 17, 1-10.

Punt, D., Kitadono, K., Hulleman, J., Humphreys, G.W., Riddoch, M.J. (2011). Modulating wheelchair navigation in patients with spatial neglect: a case series. *Neuropsychological Rehabilitation*, 21, 367-383.

Riddoch, M. J., Pippard, B., Booth, L., Rickell, J., Summers, J., Brownson, A., et al. (2011). Effects of Action Relations on the Configural Coding Between Objects. *Journal of Experimental Psychology-Human Perception and Performance*, 37(2), 580-587.

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