

Curriculum Vitae

ANINA N. RICH

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Present: C.J. Martin Postdoctoral Research Fellow
Visual Attention Lab, Brigham & Women's Hospital/Harvard Medical School

Education

2000-2005: PhD/Masters of Psychology (Clinical Neuropsychology)
University of Melbourne, Australia
Supervisor: Professor Jason B. Mattingley
1995-1999: Bachelor of Science (Honours)
Monash University, Australia

Research Interests

Human cognitive neuroscience
Human brain mapping
Mechanisms of visual attention
Cross-modal integration and binding
Synaesthesia
Unconscious processing
Attention and awareness

Awards

2004: C.J. Martin Postdoctoral Travelling Fellowship for 2005-2009
(Australian National Health & Medical Research Council)
2004: R.G. Menzies Fellowship for 2005-2009
(Menzies Foundation, Australia)
2004: Cognitive Neuroscience Society graduate student award
2002: Finalist in Australian Museum Eureka Prizes
2001-2004: Australian Postgraduate Award
2001: Finalist in Australian Museum Eureka Prizes
1999/2000: Summer Research Scholarship, Monash University
1998: Top final year Psychology student, Monash University

Memberships

Cognitive Neuroscience Society (USA)
Australian Neuroscience Society (Australia)
Society for Magnetic Resonance Imaging in Neuroscience (Australia)
Australasian Experimental Psychology Society (Australia)

Publications

Journal articles (refereed):

1. **Rich, A.N.**, Bradshaw, J.L. & Mattingley, J.B. (in press). A systematic, large-scale study of synaesthesia: implications for the role of early experience in lexical-colour associations. *Cognition*.
2. Edquist, J., **Rich, A.N.**, Brinkman, C., & Mattingley, J.B. (in press). Do synaesthetic colours act as unique features in visual search? *Cortex*.
3. Mattingley, J.B., Payne, J.M., & **Rich, A.N.** (in press). Attentional load attenuates synaesthetic priming effects in grapheme-colour synaesthesia. *Cortex*.
4. **Rich, A.N.** & Mattingley, J.B. (2003). The effects of stimulus competition and voluntary attention on colour-graphemic synaesthesia. *NeuroReport*, *14*(14), 1793-1798.
5. **Rich, A.N.** & Mattingley, J.B. (2002). Anomalous perception in synaesthesia: a cognitive neuroscience perspective. *Nature Reviews Neuroscience*, *3*, 43-52
6. Mattingley, J.B., **Rich, A.N.**, Yelland, G., & Bradshaw, J.L. (2001). Unconscious priming eliminates automatic binding of colour and alphanumeric form in synaesthesia. *Nature*, *410*, 580-582.

Book chapters (refereed):

1. **Rich, A.N.** & Mattingley, J.B. (2005). Can attention modulate colour-graphemic synaesthesia. In *Synaesthesia: Perspectives from Cognitive Neuroscience*, L.C. Robertson & N. Sagiv (Eds.), New York: Oxford University Press.
2. Mattingley, J.B. & **Rich, A.N.** (2004). Behavioural and brain correlates of multisensory experience in synaesthesia. In *Handbook of Multisensory Integration*, G. Calvert, C. Spence, B. Stein (Eds.), Cambridge, MA: MIT Press.
3. **Rich, A.N.**, Mattingley, J.B., Yelland, G., & Bradshaw, J.L. (1999). Conscious and non-conscious information processing in synaesthesia: a cognitive neuroscience perspective. In *Proceedings of the Fifth Biennial Australasian Cognitive Science Conference*. C. Davis, T. van Gelder, R. Wales (Eds.). Causal Productions: Australia.

Published Abstracts (refereed):

1. **Rich, A.N.**, Williams, M.A., Puce, A., Syngeniotis, A., Howard, M.A., McGlone, F., & Mattingley, J.B. (2005). Cognitive Neuroscience Society Twelfth Annual Meeting, *Journal of Cognitive Neuroscience*, (2005 supplement).
2. **Rich, A.N.**, & Mattingley, J.B. (2005). Abstracts of the 31st Annual Experimental Psychology Conference, *Australian Journal of Psychology*, (2005 supplement).
3. **Rich, A.N.**, & Mattingley, J.B. (2004). Cognitive Neuroscience Society Eleventh Annual Meeting, *Journal of Cognitive Neuroscience*, (2004 supplement).
4. **Rich, A.N.**, Williams, M.A., Puce, A., Syngeniotis, A., Howard, M.A., McGlone, F., & Mattingley, J.B. (2004). Twenty-fourth Annual Meeting of the Australian Neuroscience Society, *Proceedings of the Australian Neuroscience Society*, *15*, 30.

5. **Rich, A.N.**, Williams, M.A., Puce, A., Syngeniotis, A., Howard, M.A., McGlone, F., & Mattingley, J.B. (2003). *Society for Magnetic Resonance Imaging in Neuroscience*.
6. **Rich, A.N.**, Williams, M.A., Puce, A., Syngeniotis, A., Howard, M.A., McGlone, F., & Mattingley, J.B. (2003). Abstracts of the 30th Annual Experimental Psychology Conference, *Australian Journal of Psychology*, 55 (2003 supplement), 89.
7. **Rich, A.N.**, Puce, A., Syngeniotis, A., Williams, M.A., Howard, M.A., McGlone, F., & Mattingley, J.B. (2003). Cognitive Neuroscience Society Tenth Annual Meeting, *Journal of Cognitive Neuroscience*, (2003 supplement), 121.
8. **Rich, A.N.**, Payne, J.M. & Mattingley, J.B. (2002). Cognitive Neuroscience Society Ninth Annual Meeting, *Journal of Cognitive Neuroscience*, (2002 supplement), 95.
9. **Rich, A.N.**, Williams, M.A., Puce, A., Syngeniotis, A., Howard, M.A., McGlone, F., & Mattingley, J.B. (2002). *Society for Magnetic Resonance Imaging in Neuroscience*.
10. **Rich, A.N.**, Mattingley, J.B., & Payne, J.M. (2001). Abstracts of the 7th National Conference of the APS College of Clinical Neuropsychologists, *Australian Journal of Psychology*, 53 (2001 supplement), 199.
11. Mattingley, J. B., **Rich, A. N.**, Yelland, G., and Bradshaw, J. L. (2001). Proceedings of TENNET XII, *Brain and Cognition*.
12. **Rich, A.N.**, Mattingley, J.B., Yelland, G., & Bradshaw, J.L. (2000). Abstracts of the 27th Annual Experimental Psychology Conference, *Australian Journal of Psychology*, 52 (2000 supplement), 47.
13. **Rich, A.N.**, Mattingley, J.B., Yelland, G., & Bradshaw, J.L. (2000). Abstracts of the 6th National Conference of the APS College of Clinical Neuropsychologists, *Australian Journal of Psychology*, 52(2000 supplement), 139.
14. Mattingley, J.B., **Rich, A.N.**, Yelland, G., & Bradshaw, J.L. (2000). Abstracts of the 2000 Tucson Conference of Consciousness. *Journal of Consciousness Studies* (2000 supplement), 101.
15. Mattingley, J.B., **Rich, A.N.**, Yelland, G., & Bradshaw, J.L. (2000). Cognitive Neuroscience Society Eighth Annual Meeting, *Journal of Cognitive Neuroscience* (2000 supplement), 39.

Keynote and invited addresses:

Keynote speaker: Colour my brain: functional neuroimaging in colour-graphemic synaesthesia. *1st International Conference on Synaesthesia*, 22nd-23rd March, 2003, Hanover, Germany.

Symposium presentation: The influence of attentional load and perceptual rivalry on colour-graphemic synaesthesia. *Cognitive Neuroscience Society Ninth Annual Meeting*, 14th-16th April, 2002, San Francisco, USA.

Invited speaker: Synaesthesia: Tasty Tuesdays and a colourful alphabet. *Colour Communication 03*, 9th-11th October, 2003, Melbourne, Australia.

Other presentations:

Visual Sciences Laboratory, Department of Psychology, Harvard University
Visual Attention Laboratory, Brigham & Women's Hospital/Harvard Medical School
Colloquium, Department of Psychiatry, University of Melbourne
Colloquium, Department of Psychology, Monash University
Colloquium, Brain Sciences Institute, Swinburne University of Technology
College of Clinical Neuropsychologists Student Research Day
Cognitive Neuroscience Interest Group
Postgraduate Colloquium, Department of Psychology, University of Melbourne
Brain Imaging Research Institute Annual Research Day (2002, 2003)

Neuroimaging analysis courses

2002: FMRIB Software Library (Howard Florey Institute, Australia)
2001: Statistical Parametric Mapping (Howard Florey Institute, Australia)