

Prof. Emily S. Cross

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Academic Appointments

2016 - present	Professor of Cognitive Neuroscience School of Psychology Bangor University, Wales
2012 - 2016	Senior Lecturer School of Psychology Bangor University, Wales
2011 - 2012	Lecturer School of Psychology Bangor University, Wales
2010 - 2015	Assistant Professor Department of Social & Cultural Psychology, Behavioural Science Institute Donders Institute for Brain, Cognition and Behaviour Radboud University Nijmegen, the Netherlands
2008 - 2010	Postdoctoral Research Fellow Department of Psychology Max Planck Institute for Human Cognitive and Brain Sciences Leipzig, Germany
2008	Visiting Postdoctoral Research Fellow School of Psychology University of Nottingham Nottingham, England
2007	Visiting Research Fellow Department of Psychology University of California, Santa Barbara, USA

Education

PhD	Cognitive Neuroscience September 2003 – January 2008 Dartmouth College, Hanover, New Hampshire, USA
MSc	Cognitive Psychology <i>with distinction</i> February 2002 – December 2003 University of Otago, Dunedin, New Zealand
BA	Psychology and Dance <i>cum laude</i> September 1997 – May 2001 Pomona College, Claremont, California, USA

Research Funding

2016 – 2021	European Research Council Starting Grant <i>Social Robots: Mechanisms and Consequences of Attributing Socialness to Artificial Agents</i> (ERC-2015-StG-677270) Role: Principal Investigator Amount Awarded: €1,809,000
2014 – 2017	Coleg Cymraeg Cenedlaethol (Welsh Research Council Funding) PhD Research Scholarship Funding Scheme <i>Perceptual & Social Processing in Individuals With Social Impairments</i> Role: Principal Investigator Amount Awarded: £80,000
2013 – 2016	Ministry of Defence – Defence Science and Technology Lab National UK PhD Funding Scheme <i>Who Learns, Wins: Predicting Success and Stimulating Learning via Observation</i> (DSTLX-100008317725) Role: Co-Principal Investigator (with Richard Ramsey) Amount Awarded: £124,416
2013 – 2016	ESRC Future Research Leaders Award <i>Watch & Learn: Mapping the Behavioural and Neural Profile of Observational Learning throughout the Lifespan</i> (ES/K001892/1) Role: Principal Investigator Amount Awarded: £215,000
2013 – 2016	European Commission: Marie Curie Career Integration Grant <i>Observational Learning in the Human Brain</i> (CIG11-2012-322256) Role: Principal Investigator Amount Awarded: €75,000
2013	SBXL Consumer Research Funding <i>Choice, Special Offers and Decision Making in the Brain</i> Role: Co-Investigator (with Paul Mullins and James Intriligator) Amount Awarded: £30,000
2012 – 2015	Dutch Science Foundation VENI Young Investigator Award <i>Dancing the Robot vs. Doing the Twist: Investigating Feedforward and Feedback Models of Action Prediction</i> (#451-11-002) Role: Principal Investigator Amount Awarded: €250,000
2012 – 2015	Volkswagen Foundation European Platform Grant <i>Glass in Contemporary Architecture: Perception, Action, and Social Behaviour</i> (Ref: 85 965) Role: Co-I (w/ Cichy, deSousa, Leszczynski, Marquardt & Quadflieg) Amount Awarded: €90,000
2009 – 2011	Alexander von Humboldt Postdoctoral Research Fellowship <i>Brain and Behavioural Bases of Complex Action Prediction</i> Role: Principal Investigator Amount Awarded: €80,000
2006 – 2008	National Institute of Neurological Disorder and Stroke – Predoctoral National Research Service Award <i>Mapping the Junction of Action and Perception</i> (F31-NS056720) Role: Principal Investigator Amount Awarded: \$75,115
2002 – 2003	Fulbright Fellowship to New Zealand <i>Gesture and Language in the Human Brain</i> Role: Principal Investigator Amount Awarded: \$55,000

Honours, Awards & Small Grants

2016	- Bangor Psychology Pump Priming Award (w/ K. Koldewyn & P. Downing) for project <i>Building a hi-tech person perception stimulus creation lab</i>
2015	- Welsh Crucible 2015 (national research leadership scheme)
2014	- Marie Curie Alumni Association Micro Travel Grant - BBC Expert Women's Day trainee - Welsh Crucible 2014 (declined due to scheduling conflict)
2012	- Young Talent Award, Dutch Neuroscience Society, the Netherlands
2011	- Neuroscientist in Residence, Schwere Reiter art-in, Munich, Germany
2010	- Grindley Travel Award, Experimental Psychology Society - Volkswagen Foundation European Platform for Life Sciences, Mind Sciences, and the Humanities Fellowship
2009	- European Science Foundation Short Term Scientific Mission grant - European Science Foundation Cargèse Summer School Fellowship
2008	- Faculty Negotiation Workshop Fellowship, Rice University, Houston TX - <i>Brain</i> Travel Award - Summer Institute in Cognitive Neuroscience Fellowship, Lake Tahoe CA - Fulbright New Zealand: Science, Arts & Society programming grant - AAAS Excellence in Science Award
2007	- Marie A. Center Excellence in Teaching Award, Dartmouth College - Outstanding Poster Award, Dartmouth Graduate Research Symposium - Summer Institute in Cognitive Neuroscience Fellowship, Santa Barbara CA
2006	- Organization for Human Brain Mapping Conference Travel Award - Dartmouth College Neuroscience Day Outstanding Presentation Award - University of Colorado Boulder Arts & Cultural Enrichment Award - Dartmouth College Graduate Community Award
2003	- Graduate Student Presenter Award, Cognitive Neuroscience Society
2001	- Most Outstanding Psychology Graduate Award, Pomona College - Honorable Mention, NSF Graduate Research Fellowship competition
2000	- Summer Science Undergraduate Research Fellowship, HHMI/Pomona College

Publications

1. **Cross, E. S.** & Calvo-Merino, B. (2016). The impact of action expertise on shared representations. In S. S. Obhi & E. S. Cross (Eds.) *Shared Representations: Sensorimotor Foundations of Social Life*. Cambridge: Cambridge University Press, pp. 541-562.
2. Kirsch, L. P., Snagg, A., Heerey, E. & **Cross, E. S.** (2016). The impact of experience on affective responses during action observation. *PLoS One*, *11*(5): e0154681.
3. Kirsch, L. P., Urgesi, C. & **Cross, E. S.** (2016). Shaping and reshaping the aesthetic brain: Emerging perspectives on the neurobiology of embodied aesthetics. *Neuroscience and Biobehavioural Reviews*, *62*, 56 – 68.
4. **Cross, E. S.**, Ramsey, R., Liepelt, R., Prinz, W. & Hamilton, A. F. de C. (2016). The shaping of social perception by stimulus and knowledge cues to human animacy. *Philosophical Transactions of the Royal Society B*, *371*(1686), 1-12.
5. Catmur, C.*, **Cross, E. S.*** & Over, H.* (2016). Understanding self and others: From origins to disorders. *Philosophical Transactions of the Royal Society B*, *371*(1686), 1-5. *equal author contributions

6. Diersch, N., Jones, A., & **Cross, E. S.** (2016). The timing and precision of action prediction in the aging brain. *Human Brain Mapping, 37*(1), 54–66.
7. Kirsch, L. P. & **Cross, E. S.** (2015). Additive routes to action learning: Layering experience shapes engagement of the action observation network. *Cerebral Cortex, 25*(2), 4799-4811.
8. Marquardt, G., **Cross, E. S.**, de Sousa, A. A., Edelstein, E., Farne, A., Leszczynski, M., Patterson, M. & Quadflieg, S. (2015). There or not there? A multidisciplinary research agenda on the impact of transparent barriers on human perception, action, and social behaviour. *Frontiers in Psychology, 6*:1381.
9. **Cross, E. S.** (2015). Beautiful embodiment: The shaping of aesthetic preference by personal experience. In M. Nadal, J. P. Huston, L. Agnati, F. Mora and C. J. Cela Conde, *Art, Aesthetics and the Brain*. Oxford: Oxford University Press, pp. 189-208.
10. Ganesh, S., van Schie, H. T., **Cross, E. S.**, de Lange, F. P. & Wigboldus, D. H. (2015). Disentangling neural processes of egocentric and allocentric mental spatial transformations using whole-body photos of self and other. *Neuroimage, 116*, 30-39.
11. Kirsch, L., Dawson, K. & **Cross, E. S.** (2015). Dance experience sculpts aesthetic perception and related brain circuits. *Annals of the New York Academy of Sciences, 1337*, 130-139.
12. Gardner, T., Goulden, N. & **Cross, E. S.** (2015). Dynamic modulation of the action observation network by movement familiarity. *Journal of Neuroscience, 35*(4), 1561-1572.
13. Klapper, A., Ramsey, R., Wigboldus, D. & **Cross, E. S.** (2014). Cognitive and perceptual features of action interference at brain and behavioural levels. *Journal of Cognitive Neuroscience, 26*(11), 2503-2513.
14. **Cross, E. S.** & Elizarova, A. (2014). Motor control in action: Using dance to explore the intricate choreography between action perception and production in the human brain. In M. Levin (Ed.), *Progress in Motor Control: Advances in Experimental Medicine and Biology, 826*, Springer Press: New York, pp. 147-160.
15. Oosterhof, N. N., Wiggett, A. J. & **Cross, E. S.** (2014). Testing key predictions of the associative account of mirror neurons in humans using MVPA. *Behavioural and Brain Sciences*. (Commentary on Cook et al.), *37*(2), 213-215.
16. **Cross, E. S.**, Acquah, D. & Ramsey, R. (2014). A review and critical analysis of how cognitive neuroscientific investigations using dance can contribute to sport psychology. *International Review of Sport and Exercise Psychology, 7*(1), 42-71.
17. Kirsch, L., Drommelschmidt, K. A., & **Cross, E. S.** (2013) The impact of sensorimotor experience on affective evaluation of dance. *Frontiers in Human Neuroscience, 7*:521.
18. Ramsey, R., **Cross, E. S.** & Hamilton, A. (2013). Supramodal and modality-sensitive representations of perceived action categories in the human brain. *Experimental Brain Research, 230*(3), 345-357.
19. Diersch, N., Mueller, K., **Cross, E. S.**, Stadler, W., Rieger, M., & Schütz-Bosbach, S. (2013) Action prediction in the aging mind: The neural effects of motor familiarity. *PLoS One, 8*(5), 1-15.
20. Grossman, T., **Cross, E. S.**, Ticini, L. F., & Daum, M. M. (2013). Action observation in the infant brain: The role of body form and motion. *Social Neuroscience, 8*(1), 22-30.

21. **Cross, E. S.**, Stadler, W., Parkinson, J., Schütz-Bosbach, S., & Prinz, W. (2013). The influence of perceptual experience on predicting complex action sequences. *Human Brain Mapping, 34*(2), 467-486.
22. Bläsing, B., Calvo-Merino, B., **Cross, E. S.**, Honisch, J., Jola, C., & Stevens, C. Neurocognitive control in dance perception and performance. (2012). *Acta Psychologica, 139*(2), 300-308.
23. **Cross, E. S.**, Cohen, N. R., Hamilton, A. F., Ramsey, R., Wolford, G. & Grafton, S. T. (2012) Physical experience leads to enhanced object perception in parietal cortex: Insights from knot tying. *Neuropsychologia, 50*(14), 3207-3217. * Faculty of 1000 recommended by Patrick Haggard, 12 December 2012 *
24. **Cross, E. S.**, Liepelt, R., Hamilton, A. F., Parkinson, J., Ramsey, R., Stadler, W., & Prinz, W. (2012). Robotic actions preferentially engage the human action observation network. *Human Brain Mapping, 33*(9), 2238 - 2254.
25. **Cross, E. S.** & Ticini, L. F. (2012). Neuroaesthetics and beyond: New horizons in applying the science of the brain to the art of dance. *Phenomenology & the Cognitive Sciences, 11*(1), 5 - 16.
26. Diersch, N., **Cross, E. S.**, Stadler, W., Rieger, M., & Schütz-Bosbach, S. Representing others' actions: The role of expertise in the aging mind. (2012). *Psych. Research, 76*(4), 525-541.
27. Ramsey, R., **Cross, E. S.** & Hamilton, A. (2012). Predicting others' actions via grasp and gaze: Evidence for distinct brain networks. *Psychological Research, 76*(4) 494-502.
28. **Cross, E. S.** (2012). Observational learning of complex motor skills. In N. Seel, *Encyclopedia of the Sciences of Learning* (Part 15). Heidelberg: Springer Press, pp. 2491-2493.
29. **Cross, E. S.** & Ramsey, R. (2012). Neurophysiological correlates of learning to dance. In N. Seel, *Encyclopedia of the Sciences of Learning* (Part 14). Heidelberg: Springer Press, pp. 2452-2454.
30. Springer, A., Hamilton, A. F. de C. & **Cross, E. S.** (2012). Simulating and predicting others' actions: Introducing a special issue (Editorial). *Psychological Research, 76*(4), 383-387.
31. van Loon, J., Baeyens, J., Berte, J., Blanc, S., Braak, L., Bok, K. Bos, J., Boyle, R., Bravenboer, N., Eekhoff, E.M.W., Chouker, A., Clement, G., Cras, P., **Cross, E. S.**, et al. (2012). A Large Human Centrifuge for Exploration and Exploitation Research. *Annales Kinesiologiae, 1*, 107-121.
32. Cross, E. S., Kirsch, L., Ticini, L., & Schütz-Bosbach, S. (2011). The impact of aesthetic evaluation and physical ability on dance perception in the human brain. *Frontiers in Human Neuroscience, 5*:102, 1-11.
33. Ramsey, R., **Cross, E. S.** & Hamilton, A. F. (2011). Eye can see what you want: Posterior intraparietal sulcus encodes the object of an actor's gaze. *Journal of Cognitive Neuroscience, 23*(11), 3400-9.
34. Ramsey, R., van Schie, H. & **Cross, E. S.** (2011). No two are the same: Body shape is part of identifying others. *Cognitive Neuroscience, 2*, 207-208.
35. **Cross, E. S.** (2010). Building a dance in the human brain: Insights from expert and novice dancers. In B. Bläsing, M. Putke & T. Schack, *The Neurocognition of Dance*, New York: Psychology Press, 177-202.
36. **Cross, E. S.**, Mackie, E. C., Wolford, G., & Hamilton, A. F. (2010). Contorted and ordinary static body postures in the human brain. *Experimental Brain Research, 204*(3), 397-407.

37. **Cross, E. S.**, Hamilton, A. F. de C., Kraemer, D. J. M., Kelley, W. M., & Grafton, S. T. (2009), Dissociable substrates for body motion and physical experience in the human action observation network. Featured Article in *European Journal of Neuroscience*, 30(7), 1383-1392.
38. Cohen, N. R., **Cross, E. S.**, Wymbs, N., & Grafton, S. T. (2009). Transient disruption of M1 during encoding abolishes the contextual interference effect. *Experimental Brain Research*, 196(2), 303-309.
39. Cohen, N. R., **Cross, E. S.**, Tunik, E., Grafton, S. T., Culham, J. C. (2009). Ventral and dorsal stream contributions to immediate and delayed grasping: A TMS approach. *Neuropsychologia*, 47(6), 1553-1562.
40. **Cross, E. S.**, Kraemer, D., Hamilton, A., Kelley, W. M., & Grafton, S. T. (2009). Sensitivity of the action observation network to physical and observational learning. *Cerebral Cortex*, 19(2), 315-326.
41. Aminoff, E., Balslev, D., Borroni, P., Bryan, R., Chua, E., Cloutier, J., **Cross, E. S.**, Drew, T., Funk, C.M., Gil-da-Costa, R., Guerin, S., Hall, J., Jordan, K., Laundau, A., Molnar-Szakacs, I., Montaser, L., Olofsson, J., Quadflieg, S., Somerville, L., Sy, J., Uddin, L., & Yamada, M. (2009). The landscape of cognitive neuroscience: Challenges, rewards, and new perspectives. In M. Gazzaniga (Ed.), *The Cognitive Neurosciences (4th edition)*, Cambridge, MA: MIT Press, pp.1255-1292.
42. Grafton, S. T. & **Cross, E. S.** (2008). Dance and the brain. In C. Ashbury, & B. Rich (Eds.), *Learning, Arts and the Brain: Dana Consortium Report on Arts & Cognition*, Dana Press, NY, NY, pp. 61 – 68.
43. **Cross, E. S.**, Schmitt, P. & Grafton, S. (2007). Neural substrates of contextual interference during motor learning support a model of active preparation. *Journal of Cognitive Neuroscience*, 19(11), 1854-71.
44. Rice, N. J., Tunik, E, **Cross, E. S.** & Grafton, S. T. (2007). Grasping is mediated by the contralateral hemisphere, independent of hand. *Brain Research*, 1175C, 76-84.
45. **Cross, E. S.**, Hamilton, A. F. de C., & Grafton, S. T. (2006). Building a motor simulation de novo: Observation of dance by dancers. *NeuroImage*, 31(3), 1257-1267.
46. **Cross, E. S.** & Burke, D. M. (2004). Do alternative names impair proper name retrieval? *Brain and Language*, 89(1), 174-181.

Talks Presented at Conferences, Symposia, Invited Seminars and Workshops

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| 2016 | <ul style="list-style-type: none"> - Keynote speaker, <i>Neuroscience Methods in Human-Robot Interaction</i> workshop, RO-MAN 2016, New York City - <i>Dance Neuroaesthetics</i> symposium, International Association of Empirical Aesthetics meeting, Vienna, Austria - Robot Perception workshop, Graduate School of Systemic Neurosciences, Ludwig-Maximilians-Universität, Munich, Germany - Munich Center for Neurosciences Monday Lecture Series, LMU, Germany - Psychology Seminar Series, City University London, England - <i>Object Representations</i> symposium, Conference of Experimental Psychologists (TeaP), Heidelberg, Germany - Open Seminar in Music Psychology, Department of Psychology, Uppsala Universitet, Sweden |
| 2015 | <ul style="list-style-type: none"> - Department of Cognitive Science Seminar Series, Central European University, Budapest, Hungary |

- Psychology Seminar Series, University of Bristol, UK
 - Social & Developmental Psychology Seminar Series, University of Cambridge
 - *Designing & Evaluating Social Robots for Public Settings* workshop, IEEE/RSJ Int'l Conference on Intelligent Robots & Systems, Hamburg, Germany
 - NeuroComm Summer School, International Max Planck Research School, Leipzig, Germany
 - *Intelligence in Action III: Dance Engaging Science* workshop speaker, Center for Interdisciplinary Research (ZiF), University of Bielefeld, Germany
 - *Fresh Perspectives on Social Perception* mini-symposium, Cognitive Neuroscience Society Annual Meeting, San Francisco
 - Keynote speaker, German Sport Science Annual Meeting, Munich, Germany
- 2014
- *Robots & New Media* symposium, UC Berkeley, California
 - *Understanding & Interacting with Others* symposium, 12th International Conference on Cognitive Neuroscience, Brisbane, Australia
 - *Dance and the Brain* symposium, Neurosciences & Music V, Dijon, France
 - Department of Psychology Colloquium, University of York, England
 - Clinical & Cognitive Neuroscience Colloquium, University of Manchester
 - Department of Psychology and Department of Sport Science seminar series, University of Otago, New Zealand
- 2013
- *Progress in Motor Control IX*, Performing Arts Symposium, Montreal, Canada
 - *Experimental Psychology Society* Meeting, Bangor, Wales
 - *Moving Mind* symposium, Pomona College, Claremont CA, USA
 - *Avatars, Robots & Humanity* mini-symposium on cognition in cyborg studies, Radboud University Nijmegen, the Netherlands
 - *Cognitive Futures of the Humanities* meeting, Bangor, Wales
 - Keynote, MSc Annual Conference, Bangor University, Wales
 - Experimental Psychology MSc guest lecture, Universiteit Gent, Belgium
 - Centre for Brain and Cognitive Development Seminar Series, Birkbeck, University of London, England
 - Social Neuroscience and Cognition Seminar Series, Bangor University
 - Institute of Psychology, Health & Society Seminar Series, University of Liverpool, England
 - Psychology Seminar Series, Lancaster University, England
 - Department of Sport & Exercise Science Seminar Series, Bangor, Wales
- 2012
- *Society for Neuroscience* Annual Meeting Nanosymposium, New Orleans, USA
 - *Discover Psychology* Lecture Series, McMaster University, Canada
 - Research in Imagery and Observation meeting, Liverpool Hope, England
 - Featured Talk: *Institute for Music and the Mind Neuromusic Conference*, McMaster University, Hamilton, Canada
 - *Visual and Sensorimotor Components of Aesthetic Experience* symposium, International Conference on Spatial Cognition, Rome, Italy
 - School of Psychology Cognitive Colloquium, University of East Anglia, England
 - Institute of Movement Neuroscience Seminar Series, UCL, England
- 2011
- *Cognitive Neuroscience Society* Annual Meeting, San Francisco, California
 - *Japan Neuroscience Society* Annual Meeting, Mirror Neuron Symposium, Yokohama, Japan
 - *Eur Conference on Visual Percep*, Action Perception symp, Toulouse, France
 - *Annual Congress of the European College of Sport Science*, Observational Learning symposium, Liverpool, England
 - *Experimental Psychology Society* Meeting, Understanding Others' Actions symposium, Nottingham, England
 - Gnosis Research Centre, University of Aarhus, Denmark
 - Dance Engaging Science group, Forsythe Dance Company, Frankfurt, Germany
 - *Studium Generale* Public Lecture Series, Groningen, Netherlands
 - Department of Psychology, New York University, New York, USA

- Cognitive Science Colloquium: Art, Culture & Cognition, U Osnabrück, Germany
- Perception, Action & Control Meeting, Donders Centre for Cognition, NL
- Department of Psychology Colloquium, Université catholique Louvain, Belgium
- Department of Psychology Colloquium, Bangor University, Bangor, Wales
- Department of Psychology Colloquium, Durham University, Durham, England
- Department of Psychology Colloquium, National University of Singapore

- 2010
 - *International Symposium for Scientific Computing in the Cognitive Sciences*, Heidelberg, Germany
 - Neuroimaging Colloquium, Donders Institute, Nijmegen, Netherlands
 - Behavioral Science Institute, Radboud University Nijmegen, Netherlands
 - Max Planck Institute Colloquium, MPI – CBS, Leipzig, Germany
 - Psychology Colloquium, Westfälische Wilhelms-Universität, Münster, Germany
 - fMRI Research Colloquium, MPI for Cognitive & Brain Sciences, Germany

- 2009
 - *Intelligence in Action II: New Perspectives in Dance and Cognitive Science*, Zentrum für interdisziplinäre Forschung, Bielefeld, Germany
 - *Cognitive Neuroscience Society Annual Meeting*, San Francisco, California
 - *Eur. Society for Philosophy & Psychology annual meeting*, Budapest, Hungary
 - *12th World Congress of Sport Psych*, Dance Symposium, Marrakech, Morocco
 - Research Workshop on Dance and Cognitive Neuroscience, Experimental Psychology Society Satellite symposium, London, England
 - Social Neuroscience Meeting, University of Nottingham, England
 - Psychology Department, Durham University, England
 - Behavioral Science Institute, Radboud University Nijmegen, Netherlands
 - Virtual Reality Group meeting, MPI Biological Cybernetics, Tübingen, Germany
 - Music, Sound and Action Laboratories, University of Western Sydney, Australia
 - Queensland Brain Institute seminar series, University of Queensland, Australia
 - Cargèse Summer School on Consciousness, Corsica, France
 - Doktorandenkolloquium, Bad Lausick, Germany

- 2008
 - *Federation of the European Societies of Neuropsychology Annual Meeting*, Edinburgh, Scotland
 - Department of Psychology Colloquium, University of Birmingham, England
 - Department of Psychology Colloquium, University of Nottingham, England
 - Department of Physical Education Colloquium, University of Otago, NZ

- 2007
 - *Australasian Winter Conference on Brain Research*, Queenstown, NZ
 - Mirror Neurons and Cognition Meeting, Cal State Long Beach, California
 - Arts Therapy Organization, University of Georgia, Athens, GA, USA
 - *Intelligence in Action: Towards a Cognitive Science of Dance*, ZIF, Bielefeld, Germany
 - Max Planck Institute for Cognitive and Brain Sciences colloquium, Germany
 - Human Interaction Laboratory seminar, Rutgers Newark, New Jersey
 - Cognition, Performance & Neuroscience lecture series, UC Santa Barbara, CA
 - Cognitive Brown Bag series, Dartmouth College, New Hampshire
 - ‘Mind That’s Mine Brain Symposium’, Richmond Middle School, NH

- 2006
 - *Society for Neuroscience Annual Meeting Slide Talk*, Atlanta GA, USA
 - Social Brain Sciences series, Dartmouth College, New Hampshire
 - Cognitive Science seminar series, Pomona College, Claremont CA, USA
 - *Expanding Arts’ Horizons Lecture Series*, University of Colorado, Boulder

- 2005
 - Department of Physiology seminar, University of Parma, Italy

- 2003
 - *Cognitive Neuroscience Society annual meeting*, Graduate Student Award oral presentation, New York City NY, USA

- 2001
 - Western Psychology Society Annual Meeting Slide Talk, Maui HI, USA

Chaired Conference Symposia and Meeting Organisation

- 2015 *Social Cognition: From Evolution to Applications*
Interdisciplinary conference co-organised with R. Ramsey (Bangor), H. Over (York) & C. Catmur (Surrey), Bangor, Wales
- 2015 *Fresh Perspectives on Social Perception: From Functional Specialization to Connectivity*
Mini-symposium organised for the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, USA
- 2014 *Sensorimotor Foundations of Interacting with Others*
Symposium organised for the 12th International Conference on Cognitive Neuroscience, Brisbane, Australia
- 2013 *Sensorimotor Foundations of Understanding Others*
Prize Symposium in honour of Antonia Hamilton organised for the Experimental Psychology Society meeting, Bangor, Wales
- 2012 *Inside the Social Brain* (co-chair: H. Bekkering, Donders Centre for Cognition)
Symposium organised for the European Society for Cognitive Psychology meeting, San Sebastian, Spain
- 2009 *So You Think You Can Dance? Psychological Perspectives on Performance*
Symposium co-organised with B. Bläsing (University of Bielefeld) for the International Society for Sport Psychology World Congress, Marrakech, Morocco
- 2009 *Perceiving Bodies in Action: From Low to High Level Mechanisms*
Organised third meeting of the Leipzig Encounters in Cognition and Action (LECA III), Leipzig, Germany

Memberships in Professional Societies

- 2011 – present European Society for Cognitive Psychology
2011 – present Experimental Psychology Society
2010 – present European Society for Social and Affective Neuroscience
2009 – present Italian Society of Neuroaesthetics
2008 – present Association for Psychological Science
2006 – present Organization for Human Brain Mapping
2005 – present Society for Neuroscience
2003 – present Cognitive Neuroscience Society

Ad-hoc Reviewing

<i>Attention, Perception and Psychophysics</i>	<i>Journal of Neurophysiology</i>
<i>Behavioural Brain Research</i>	<i>Journal of Neuroscience</i>
<i>Brain Research</i>	<i>Leverhulme Trust Research Project Grants</i>
<i>Brain & Cognition</i>	<i>Motor Control</i>
<i>Brain & Language</i>	<i>Music Perception</i>
<i>Brain Imaging & Behaviour</i>	<i>National Science Foundation (USA) Grant Review</i>
<i>British Academy Research Grants</i>	<i>Netherlands Organisation for Scientific Research</i>
<i>Cerebral Cortex</i>	<i>Neuroimage</i>
<i>Cognition</i>	<i>Neuroscience Letters</i>
<i>Cognitive Neuroscience</i>	<i>Neuropsychologia</i>
<i>Cognitive Processing</i>	<i>Neuroscience and Biobehavioral Reviews</i>
<i>Cortex</i>	<i>Perceptual and Motor Skills</i>
<i>Current Directions in Psychological Science</i>	<i>Phenomenology & the Cognitive Sciences</i>
<i>Developmental Cognitive Neuroscience</i>	<i>PLoS One</i>

European Journal of Neuroscience
FNRS: Fonds de la Recherche Scientifique
Frontiers in Human Neuroscience
Frontiers in Psychology
Human Brain Mapping
Journal of Cognitive Neuroscience
Journal of Computational Science
Journal of Dance Medicine and Science
JEP:HPP
Journal of Memory Studies

Proceedings of the Nat'l Academy of Sciences USA
Psychological Research
Psychological Science
Psychonomic Bulletin & Review
Research in Autism Spectrum Disorders
QJEP
Oxford University Press
Social Neuroscience
Trends in Cognitive Sciences
Trends in Neuroscience and Education

Teaching

- 2015 - present **Module Organiser, "Cognitive Psychology"**
Bangor University
BSc in Psychology Year 2 Core Course
- Guest Lecturer, "Cognition and Brain"**
Bangor University
MSc in Psychological Research Course
- 2014 **Module Organiser, "Cognitive Psychology"**
Bangor University
BSc in Psychology Year 2 Core Course
- Seminar Co-Leader, "The Neuroscience of Social Interactions"**
INSEAD Business School (Fontainebleau, France)
Executive Master in Consulting and Coaching for Change Programme
- Lecturer, "Advanced MRI Techniques and Applications"**
Bangor University
MSc in Neuroimaging Course
- 2013 **Module Organiser, "Perception and Cognition"**
Bangor University
BSc in Psychology Year 2 Core Course
- Guest Lecturer, "Cognition and Brain"**
Bangor University
MSc in Psychological Research Course
- Guest Lecturer, "Disorders of the Social Brain"**
Bangor University
BSc in Psychology Year 3 Elective Course
- Seminar Co-Leader, "The Neuroscience of Social Interactions"**
INSEAD Business School (Fontainebleau, France)
Executive Master in Consulting and Coaching for Change Programme
- Lecturer, "Advanced MRI Techniques and Applications"**
Bangor University
MSc in Neuroimaging Course
- 2012 **Module Organiser, "Perception and Cognition"**
Bangor University
BSc in Psychology Year 2 Core Course
- Guest Lecturer, "Cognition and Brain"**
Bangor University
MSc in Psychological Research Course

- Guest Lecturer, "Disorders of the Social Brain"**
Bangor University
BSc in Psychology Year 3 Elective Course
- Lecturer, "Advanced MRI Techniques and Applications"**
Bangor University
MSc in Neuroimaging Course
- 2011 **Lecturer, "Introduction to fMRI"**
Bangor University
MSc in Neuroimaging Core Course
- Lecturer & Module Co-Organiser, "Social Neurocognition"**
Donders Graduate School of Cognitive Neuroscience
MSc in Cognitive Neuroscience Core Course
- Lecturer, "Motivation of Human Behaviour"**
Radboud Universiteit Nijmegen, Behavioural Science Institute
MSc in Experimental Psychology Core Course
- Lecturer & Module Co-Organiser, "Bio Foundations of Social Behaviour"**
Radboud Universiteit Nijmegen, Behavioural Science Institute
Final Year Undergraduate Course
- 2010-11 **Lecturer & Lab Instructor, "Research Practicum: Bachelors Degree"**
Radboud Universiteit Nijmegen, Behavioural Science Institute
Final Year Undergraduate Course (Onderzoekspraktikum 3)
- Lecturer & Lab Instructor, "Research Practicum: Bachelors Degree"**
Radboud Universiteit Nijmegen, Behavioural Science Institute
Second Year Undergraduate Course (Onderzoekspraktikum 2)
- 2010 **Guest Lecturer, "Methods in Social Neuroscience"**
Radboud Universiteit Nijmegen, Behavioural Science Institute
MSc in Experimental Psychology Core Course
- Lecturer & Module Co-Organiser, "Conscious/Unconscious Proc."**
Radboud Universiteit Nijmegen, Behavioural Science Institute
Second Year Undergraduate Course
- Module Organiser, "Experimental Research Methods"**
MPI Research School for the Neuroscience of Communication
First Year PhD Course
- Module Organiser, "3-Day Intensive Workshop: SPM8 for fMRI"**
MPI Research School for the Neuroscience of Communication
First Year PhD Course
- 2009-10 **Module Organiser, "Literatureseminar"**
Max Planck Institute, Department of Psychology
Required seminar for all PhD students
- 2004-07 **Lecturer, "Research Ethics for the Life Sciences"**
Dartmouth College, Arts and Sciences Graduate Program
Required course for all first-year PhD students
- 2004-08 **Teaching Assistant: "Laboratory in Behavioural Neuroscience", "Brain Mapping Methods", "Experimental Research Methods", "Child Development", "Language Acquisition"**
Dartmouth College, Department of Psychological & Brain Sciences
- 2000-01 **Teaching Assistant, "Introduction to Psychology"**
Pomona College, Department of Psychology
First Year Undergraduate Course

Departmental, University & Wider Academic Service

2016 – present	Social Neuroscience Research Group lead, School of Psychology, Bangor
2015 – present	Deputy co-director and research facilitator, Tir na n'Og childcare centre
2015 – present	Wales section representative (elected post), Society for Neuroscience
2014 – present	Athena SWAN Self-Assessment Team leader, Bangor Psychology
2013 – present	Doctoral Trainee Professional Development coordinator, PhD Committee, School of Psychology, Bangor University
2013 – present	PhD Committee, School of Psychology, Bangor University
2012	Co-Editor of special issue of <i>Psychological Research</i> (with Antonia Hamilton and Anne Springer)
2014 – 2016	Pontio Innovation Strategy Group, Bangor University
2011 - 2016	Research Ethics Committee, Bangor University
2011	Behavioural Science Institute lab space coordinator, RU Nijmegen
2010 – 2011	Research MSc Proposal Evaluation Committee, RU Nijmegen
2009	Volunteer at the 7 th Annual Girls' Day Career Workshop, MPI Leipzig
2008 – 2009	Action Colloquium host, MPI for Human Cognitive and Brain Sciences
2006 – 2007	Departmental Colloquium Committee, PBS Department, Dartmouth
2005 – 2007	Peer-elected Graduate Representative, PBS Department, Dartmouth
2005 – 2007	Co-Director, Graduate Research Roundtable Series, Dartmouth
2005 – 2006	Peer mentor, International Grad Mentoring Program, Dartmouth
2005	Graduate student representative to the development committee for the Program for Experimental and Molecular Medicine, Dartmouth
2004 – 2008	Organizing Committee, Graduate Recruitment Weekend, Dartmouth

External PhD Examiner: University of Western Sydney, Birkbeck University of London, Plymouth University

Public Engagement in Science

Lectures/Performances/Live Demonstrations

4/2015	Born to Dance event w/ Professor Peter Lovatt Edinburgh International Science Festival http://www.sciencefestival.co.uk/event-details/born-to-dance https://www.youtube.com/watch?v=Fa0ABuBwVig&feature=youtu.be
6/2014	Inverness Monster Science Festival http://www.monsterfest.co.uk/2014-festival.asp
5/2014	In the Mind's Eye – Public Debate on Neuroscience and Aesthetics AXNS Collective, Kings College, London http://axnscollective.org/neuroaesthetics-and-beyond-new-horizons-in-applying-the-science-of-the-brain-to-the-art-of-dance/
3/2014	Bangor Science Festival: Laboratory Open House – Learning to dance changes your brain! http://www.bangor.ac.uk/bangorsciencefestival/full-event.php.en?nid=17992&tnid=17992
9/2013	British Science Festival: Speaker in the 'Mould your brain: Learning & plasticity of the mind' public forum, University of Newcastle, England http://www.britishtscienceassociation.org/british-science-festival/mould-your-brain-new-studies-plasticity-mind
7/2013	Soapbox Science, London, England http://soapboxscience.org/?page_id=25
5/2013	Beaumaris Arts Festival, Beaumaris, Anglesey, Wales http://www.beaumarisfestival.com/tuesday28may2013.htm

- 11/2012 'Brain of a Dancer' – performance/lecture with dancer Riley Watts (The Forsythe Company), Pontio Arts Programme, Bangor, Wales
<http://www.pontio.co.uk/whats-on/full-event.php.en?nid=9959&tnid=9959>
- 12/2011 'Neurowissenschaft in Bewegung' dance / neuroscience performance and lecture with dancer Stephan Herwig, art-in series, Munich, Germany
<http://artin.blogspot.de/2011/10/27/11-12-2011-um-19-uhr-neurowissenschaft-in-bewegung/>
- 5/2011 'Spotting the X-Factor' dance neuroscience public performance with dancer/choreographer Edan Gorlecki (Random Collision Dance Company), Studium Generale Public Science Lecture Series, Groningen, the Netherlands
<http://www.facebook.com/events/202974076406280/>

Writing for Popular Press

Science and Technology Notebook, Independent Blogs, The Independent (19 August 2013).
<http://blogs.independent.co.uk/2013/08/19/women-in-science-exploring-the-exquisite-choreography-between-action-and-perception-in-the-human-brain/>

Press and Media Coverage

- Baird, J (2012). Understanding the brain on dance. *BBC News: Health*, 28 February 2012;
<http://www.bbc.co.uk/news/health-17120495>
- Bangor TV (2012). Dancing on the brain. <http://www.youtube.com/watch?v=ZEUJjaeoZKg>
- Bower, B. (2003). Gestures help words become memorable. *Science News*, 163(16), p. 254.
- Brown, S. & Parsons, L. M. (2008). So you think you can dance? PET scans reveal your brain's inner choreography. *Scientific American*, June 2008.
- Burger, K. (2009). Tanzen macht schlau (in German). *Bild der Wissenschaft*, January 2009.
- Clark, L. (2003). Gesture and memory. Nine to Noon program, *Radio NZ*, Aug 2003.
- Dickens, S. (2012). Strictly come dancing. Good Evening Wales, *BBC RadioWales*, Feb 2012.
- Dotson-Renta, L. (2016). Why young kids learn through movement. *The Atlantic*, 19 May 2016.
- Ellis-Williams, E. (2012). Looking into a dancer's brain. *BU News & Events*, 16/2/2012.
- di Diodoro, D. (2010). La creatività, mistero sfuggente. *Corriere Della Serra*, 21 Oct 2010.
- Grafton, S. T. (2009). What can dance teach us about learning? *Cerebrum*, 5 Oct 2009.
- Haas, G. (2007). The scientist and the contortionist. *Dartmouth News Release*, 20 May 2007.
- Hogenboom, M. (2013). Doing the Macarena for Science. *BBC News: Science and Environment*, 8 July 2013. <http://www.bbc.co.uk/news/science-environment-23231431>
- Jones, I. (2016). Let's (study) dance. *BNA Bulletin*, 76, p. 20.
- Knapp, S. (2008). Dartmouth research reveals passive learning imprints on the brain just like active learning. *Dartmouth News Release*, 14 July 2008.
- Lehmann, U. & Weigand, F. (2009). Tanz der neuronen. *Die Deutsche Bühne*, Dec. 2009.
- McNeely, M. (2014). Action-packed research on how our brains learn and perceive complex movements. People Behind the Science podcast, 28 July 2014.
- Misstear, R. (2016). Wales could be at the forefront of finding out how we interact with robots. *Wales Online*, 17 March 2016.
- Munoz, L. M. P. (2014). Copy that: When we're more likely to imitate people than robots. *Cognitive Neuroscience Society News*, 14 May 2014. http://www.cogneurosociety.org/copy_that_ramsey/
- Narain, J. (2013). Older shoppers miss best buys: Research finds young are best at picking out bargains. *The Daily Mail*, 19 December 2013. <http://www.dailymail.co.uk/news/article-2526163/Older-shoppers-miss-best-buys-Research-finds-young-best-picking-bargains.html>
- Owen, L. (2014). Shopping for Bargains in Real Time. *BBC One*, X-Ray, Series 13, Episode 19. First broadcast 10 February 2014.
- Roggema, I. (2011). Dansende Legopoppetjes veranderen kijk op spiegelneuronen (in Dutch). *Wetenschapsagenda 4*, Sept 29, 2011.
- Sanders, L. (2011). Brain's mirror system loves the robot. *Science News*, 179(10), p. 18.
- Smith, G. (2013). Autism and dancing. Podcast on Naked Scientists Specials, 11 September 2013. <http://podbay.fm/show/324688342/e/1378854000>

- Troup Buchanan, R. (2013). Why aren't there more women in science – and how can we change that? *The Independent*, 8 July 2013. <http://www.independent.co.uk/student/student-life/why-arent-there-more-women-in-science--and-how-can-we-change-that-8695761.html>
- Vanderbilt, T. (2016). Why we love how-to videos. *Nautilus*, 8 September, 2016.
- Walsh, P. (2005). All the right moves. *Vox of Dartmouth*, 21 February, 2005.
- Walton, A. (2012). Beauty and the Brain. *BBC Radio Wales Science Café*, 27 November, 2012.
- Wozny, N. (2010). Your body: Memory builders. *Dance Magazine*, July 2010.