

Jessica A. Grahn

Brain and Mind Institute
Department of Psychology
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University of Western Ontario,
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EMPLOYMENT

Assistant Professor, Brain and Mind Institute, Psychology Department, University of Western Ontario 2011 - present
Investigator Scientist, Medical Research Council Cognition & Brain Sciences Unit, Cambridge, UK 2007 - 2010
Associate Lecturer in Biological Psychology, Open University, UK (part-time) 2005 - 2010
Research Fellow (Stipendiary) Clare Hall/Medical Research Council, UK 2004 - 2007

CONSULTING

Neurosense, Ltd. Analysis and report of brain imaging data, graphics production for corporations and advertising agencies. Resulting reports and images used by the Science Museum (London), Viacom, MTV, Johnson & Johnson, GMTV, Metro newspaper, among others. 2005 – 2010
Celestia, Ltd. Website programming for database of clinical trial research 2004 - 2005

EDUCATION

PhD, Wolfson College, University of Cambridge 2001 - 2005
Behavioural and Functional Imaging Studies of Rhythm Processing
Supervised by Matthew Brett and Bob Carlyon
MRC Cognition and Brain Sciences Unit, Cambridge, UK
PhD coursework at University of Illinois in Urbana-Champaign, USA 1999 - 2000
BA (Neuroscience), Northwestern University, Chicago, USA 1995 - 1999
BMus (Piano Performance), Northwestern University, Chicago, USA

AWARDS/GRANTS

Early Researcher Award, Ontario Ministry of Economic Development & Innovation \$190,000 2012 - 2016
Grammy Foundation Research Grant, \$19,500 2012 - 2014
J.P. Bickell Foundation Medical Research Program, \$65,000 2012 - 2013
Leaders Opportunity Fund, Canadian Foundation for Innovation, \$280,000 2012 - 2017
Natural Sciences & Engineering Research Council, Discovery Grant, \$120,000 2011 - 2016
R.K. MacDonald Fund for Parkinson's Research, \$100,000 2011 - 2020
Charles Darwin Award in Public Communication of Science, British Science Association, in agricultural, biological and medical sciences 2010

Grammy Foundation Research Grant, \$20,300 Co-Investigators: D. McAuley, J. Grahn	2007 - 2009
Organization for Human Brain Mapping Travel Award \$750	2007
Brain Travel Grants: £700, £600, £550	2004/05/07
Fellowship, Summer Institute in Cognitive Neuroscience: all expenses/tuition	2004
Wolfson Travel Fund £150 , Lane Cox Fund £100	2004
Overseas Research Student Award	2001 - 2004
Honorable mention: NSF predoctoral fellowship competition	1999
Silver medal , American Forensics League tournament, Impromptu speaking	1996

FELLOWSHIPS/SCHOLARSHIPS

Research Fellowship Clare Hall, University of Cambridge	2007 - 2010
Betty Behrens Stipendiary Research Fellowship Clare Hall, University of Cambridge (full salary and research/equipment/travel award)	2004 - 2007
Gates Cambridge Scholarship (awarded to ~1% of applicants)	2001 - 2004
Predoctoral Fellowship , U of Illinois, Urbana-Champaign (Full support)	1999 - 2000
Laura Winkelman Merit Scholarship (Part tuition support)	1997 - 1999
National Merit Scholar	1995 - 1999

TEACHING EXPERIENCE

Neuroimaging Methods , Interdisciplinary College (IK), Gunne, Germany	2012 - present
Cognitive Neuroscience of Music (Undergraduate .5 year course), UWO	2011 - present
Faculty Member , Graduate Program in Neuroscience, UWO	2011 - present
Associate Lecturer in Biological Psychology (Distance course), Open University, UK	2005 - 2010
External Examiner, Guest Lecturer , Natural Sciences Tripos, part II Neuroscience, University of Cambridge	2008 - 2010
Faculty mentor , Open University, UK (mentor for new lecturers)	2007 - 2010
Guest Lecturer , (neuroanatomy lecture) Graduate Seminar skills seminar series	2007 - 2010
Guest Lecturer , Graduate Seminar series, MRC CBU, Cambridge	2005 - 2010
External Examiner , Music Tripos, part II, University of Cambridge	2005 - 2010
Project Supervisor , Music Tripos, part II, University of Cambridge	2008
Supervisor , University of Cambridge, Exp Psych undergraduate supervisions	2002 - 2004
Graduate Record Examination (GRE) Educator , Princeton Review, Chicago	1999 - 2000
Tutor , Northwestern University, Calculus, Biology, and Psychology	1995 - 1999
Private music teacher , Piano, Cello, Music Theory	1992 - 1999

PUBLICATIONS

- S. Schweizer, **J.A. Grahn**, A. Hampshire, D. Mobbs, T. Dalgleish. Training the emotional brain: Improving affective control through emotional working memory training (2013), *Journal of Neuroscience*, 33(12):5301-11. doi: 10.1523/jneurosci.2593-12.2013
- M. Urner, M. Sarri, **J.A. Grahn**, T. Manly, G. Rees, K. Friston. The role of prestimulus activity in visual extinction, (2013) *Neuropsychologia*, 51:1630-1637 10.1016/j.neuropsychologia.2013.05.005

- Nombela, C.L. Rae, **J.A. Grahn**, R.A. Barker, A.M. Owen, J.B. Rowe. How often does music and rhythm improve patients' perception of motor symptoms in Parkinson's disease? (2013) *Journal of Neurology*, 260(5):1404-1405. doi:10.1007/s00415-013-6860-z
- J.A. Grahn**, D. Schuit. Individual differences in rhythmic abilities: behavioural and fMRI investigations (2012) *Psychmusicology: Music, Mind and Brain* 20:105-121
- J.A. Grahn**, T. Manly. Common neural recruitment across diverse sustained attention tasks. (2012) *PLoSOne* 7(11): e49556. doi:10.1371/journal.pone.0049556
- J.A. Grahn**. See what I hear? Beat perception in auditory and visual rhythms. (2012) *Experimental Brain Research* 220(1):51-61
- J.A. Grahn**, J.B. Rowe. Finding and feeling the musical beat: Striatal dissociations between detection and prediction of regularity. (2012) *Cerebral Cortex* doi: 10.1093/cercor/bhs083
- J.A. Grahn**. Neural mechanisms of rhythm perception: Current findings and future perspectives (2012), *Topics in Cognitive Science*, 4, 585-606
- J.A. Grahn**. Advances in neuroimaging techniques: implications for the shared syntactic integration resource hypothesis. (2012) In: *Language and Music as Cognitive Systems* (Rebuschat, P., Rohrmeier, M., Hawkins, J., & Cross, I., eds). Oxford: Oxford University Press
- J.A. Grahn**, M. J. Henry, J.D. McAuley. fMRI investigation of cross-modal interactions in beat perception: Audition primes vision, but not vice versa (2011) *NeuroImage*, 54, 1231-1243 [3]
- J.A. Grahn**. Review of Psychology of Music: From Sound to Significance (2011), *Empirical Musicology Review*, 6, 138-140.
- A.M. Owen, A. Hampshire, **J.A. Grahn**, R. Stenton, S. Dajani, A.S. Burns, R.J. Howard, C. G. Ballard. Putting brain training to the test. (2010) *Nature*, 465, 775-778 [56]
- J.A. Grahn**, J.B. Rowe. Feeling the beat: premotor and striatal interactions in musicians and non-musicians during beat perception. (2009) *Journal of Neuroscience*, 29(23), 7540-7548
- J.A. Grahn**, J.D. McAuley. Neural bases of individual differences in beat sensitivity. (2009) *NeuroImage*, 47, 1894-1903
- J.A. Grahn**, J. Parkinson, A. M. Owen. The role of the basal ganglia in learning and memory: neuropsychological studies (2009) *Behavioural Brain Research*, 199(1), 53-60
- J.A. Grahn**, M. Brett. Impairment of beat-based rhythm discrimination in Parkinson's disease (2009) *Cortex* 45(1), 54-61
- J.A. Grahn**. The role of the basal ganglia in beat perception: neuroimaging and neuropsychological investigations. (2009) *Annals of the New York Academy of Sciences*, 1169, 35-45
- J.A. Grahn**, Neuroscientific investigations of musical rhythm: recent advances and future challenges (2009) *Contemporary Music Review* 28(3), 251-277
- R.P. Carlyon, J.M. Deeks, Y. Shtyrov, **J.A. Grahn**, H.E. Gockel, O. Hauk, and F. Pulvermuller. Changes in the perceived duration of a narrowband sound induced by a preceding stimulus. (2009) *Journal of Experimental Psychology: Human Perception & Performance*, 35(6):1898-1912.
- J.A. Grahn**, J. Parkinson, A. M. Owen. The cognitive functions of the caudate nucleus. (2008) *Progress in Neurobiology*, 86(3), 141-155
- J.A. Grahn**, M. Brett. Rhythm perception in motor areas of the brain. (2007) *Journal of Cognitive Neuroscience*, 19(5), 1-14

J.A. Grahn, A. M. Owen. Memory: Obstacle avoidance without visual cues. (2006) *Current Biology*, 16(7), R247-R249

Submitted/In preparation

S.L. Watson, **J.A. Grahn**. Perspectives on rhythm processing in motor regions of the brain (under revision, *Music Therapy Perspectives*)

C. Nombela, L.E. Hughes, A.M. Owen, **J. A. Grahn**. Into the groove: can music influence Parkinson's disease? (under revision, *Neuroscience and Behavioural Reviews*)

R. Woelfle, **J.A. Grahn**. Inter-hemispheric communication in musicians and non-musicians (under revision, *PLoS ONE*)

M. McMahon, C. Loveday, **J.A. Grahn**, The effect of musical training and language on rhythm perception, (under revision, *PLoS ONE*)

A.J. McMillan, T.A. Brown, **J.A. Grahn**, J.S. Gati, P.L. Nixon, S.M. Hughes, R.S. Menon, S.G. Lomber. There's more than one way to scan a cat: imaging cat auditory cortex with high-field fMRI using sparse or continuous sampling (submitted)

J.A. Grahn, D. Schuit. Comparisons between working memory systems for verbal and rhythmic stimuli (in prep)

A. Paas, **J. A. Grahn**. The influence of tonality on rhythm perception (in prep)

Proceedings

J.A. Grahn, D. Schuit. *Beat perception vs chunking in auditory short-term memory*. (2012). Proceedings of the 12th International Conference on Music Perception & Cognition, Thessaloniki, Greece.

McMillan, A.J., Brown, T.A., Joanisse, M.F., **Grahn, J. A.**, and Lomber, S.G. (2012) *There is more than one way to scan a cat: An assessment of two imaging techniques for optimal auditory cortex activation*. Association for Research in Otolaryngology Abstracts, Program No. 511.

J.A. Grahn. *Chunking vs beat perception in auditory short-term memory* (2012). Proceedings of the Perspectives on Rhythm and Timing Conference, Glasgow, Scotland

M. Urner, M. Sarri, T. Manly, **J. Grahn**, G. Rees (2012) *Pre-stimulus activity predicts awareness in visual extinction*. 16th meeting of the Association for the Scientific Study of Consciousness, Brighton, England.

S. Schweizer, **J. Grahn**, A. Hampshire, D. Mobbs, T. Dalgleish (2011) *Training the Emotional Brain: Transferable Effects and Neural Substrates of Affective Brain Training*. 23rd Convention of the Association for Psychological Science, Washington, DC.

T. Nguyen, B. Graham, A. Duarte, **J. A. Grahn**, *Musical mood and arousal affect different stages of learning and memory performance* (2011) Neurosciences and Music IV: Learning and Memory, Edinburgh, Scotland

J. A. Grahn (2011) *Investigation of working memory networks for verbal and rhythmic stimuli*, Society for Neuroscience Abstract Viewer and Itinerary Planner Volume: 41

J.A. Grahn, D. Schuit. *Individual differences in rhythmic abilities: behavioural and fMRI studies*. (2010). Proceedings of the 11th International Conference on Music Perception & Cognition, Seattle, Washington.

- T. Manly, **J.A. Grahn**, J. Fish (2010) *Common neural recruitment in diverse sustained attention tasks* Society for Neuroscience Abstract Viewer and Itinerary Planner Volume: 40
- J.A. Grahn**, D. Schuit. *Rhythm abilities relate to phonological short term memory and beat detection skill*. (2010) *NeuroImage* (#908).
- J.A. Grahn**, M. J. Henry, J.D. McAuley. *Effects of prior auditory exposure on brain activity during visual rhythm perception*. Program No. 94.18. 2009 *Abstract Viewer/Itinerary Planner*. Chicago, IL: Society for Neuroscience, 2009. Online.
- J.A. Grahn**, J.B. Rowe. (2008) *Beat initiation versus continued beat perception: The role of motor areas in the brain*. Proceedings of the 10th International Conference on Music Perception & Cognition, Sapporo, Japan.
- J.A. Grahn**, J.B. Rowe. (2008) *Different cues to the beat during auditory sequence perception modulate motor area activity: an fMRI investigation of musicians and non-musicians*. *NeuroImage*, 41, Supplement 1, (#100).
- J.A. Grahn**, J.B. Rowe. (2008) Different types of cues to the 'beat' in rhythm modulate motor area activity. *Journal of Cognitive Neuroscience Supplement*, S227.
- J.A. Grahn**, J.B. Rowe. (2007) *Modulation of activity in motor areas by volume accents and beat perception when attending to auditory rhythms*. *NeuroImage*, 36, Supplement 1, (#167).
- J.A. Grahn**, J.D. McAuley. *Using fMRI to investigate individual differences in beat perception*. Program No. 303.23. 2007 *Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience, 2007. Online.
- J.A. Grahn**, M. Brett. (2005) *The role of the basal ganglia in beat-based rhythm processing*. *Journal of Cognitive Neuroscience Supplement*: S202-202.
- J.A. Grahn**, M. Brett. (2004). *Beat-based rhythm processing in musicians and non-musicians*. *Journal of Cognitive Neuroscience Supplement*: S184-184.
- J.A. Grahn**, M. Brett. *Beat-based rhythm processing in the brain*. (2004) Proceedings of the 8th International Conference on Music Perception & Cognition, pp. 207-208. Evanston, IL.
- J.A. Grahn**, M. Brett. *Listening to rhythms that induce an internal beat activates the basal ganglia*. Program No. 390.7. 2003 *Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience, 2003. Online.
- J.A. Grahn**. *Beat-based versus Interval-based Timing: A Matter of Complexity?* (2002) Cambridge Music Processing Colloquium, pp.29 -35. Cambridge, UK.

INVITED TALKS

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|---|------|
| The perception of musical rhythm: Auditory and motor system involvement
<i>Keynote, Banff Annual Seminar in Cognitive Science, British Columbia</i> | 2013 |
| Auditory and motor system involvement in rhythm perception
<i>Keynote, Canadian Spring Conference on Behaviour and Brain, Fernie, British Columbia</i> | 2013 |
| Why rhythm makes us move: neural investigations of rhythm perception
<i>University of Guelph, Department of Psychology</i> | 2013 |
| Neural investigations of rhythm perception
<i>Rhythm Perception and Production Workshop at Centre for Research on Brain, Language, and Music, Montreal</i> | 2012 |

Rhythm in the brain: how music can affect movement <i>Parkinson's Society Regional Conference, Kitchener, Ontario</i>	2012
Rhythm and beat perception in the auditory and visual modalities <i>Centre for Vision Research, York University</i>	2012
Motor area engagement during perception of rhythm <i>Department of Anatomy and Cell Biology, Western University</i>	2012
Moving to the beat: rhythm and the brain <i>Faculty of Music, Western University</i>	2012
Feeling the beat: brain responses to musical rhythm <i>Ontario Association of Medical Radiation Technologists Meeting</i>	2012
Motor system engagement in rhythm and beat perception <i>Music Cognition Symposium, Eastman School of Music and University of Rochester</i>	2012
Links between rhythm perception and the motor system <i>Department of Psychology, Michigan State University</i>	2012
Rhythm perception and the motor system <i>Department of Psychology, Neuroscience & Behaviour, McMaster University</i>	2012
Feeling the beat: Rhythm perception and the motor system <i>Children's Health Research Institute, London, Ontario</i>	2012
Can you see it? Beat perception in auditory and visual modalities <i>McMaster Institute for Music and Mind, McMaster University</i>	2011
Investigating how movement areas in the brain support musical rhythm perception <i>Annual meeting of the Southern Ontario Neuroscience Association</i>	2011
The role of motor areas in musical rhythm and beat perception <i>Ebbinghaus Empire series, Department of Psychology, University of Toronto</i>	2011
Research in neuroscience, music, and the brain: Highlights <i>Leaders' Forum, University of Western Ontario</i>	2010
fMRI investigations of finding the beat versus continuing the beat <i>British Psychological Society Seminar Series, UK</i>	2010
Music and movement: the role of the basal ganglia in music and rhythm perception <i>School of Psychology, University of Birmingham, UK</i>	2010
Music in the brain: fMRI and patient investigations of musical rhythm and motor areas <i>Instituto de Neurologia Cognitiva (INECO), Buenos Aires, Argentina</i>	2010
Feeling the beat: musical rhythm processing in the brain <i>School of Psychology, University of East London</i>	2010
Investigating the neural foundations of rhythm perception using fMRI <i>Developmental Cognitive Neuroscience Unit, UCL, London</i>	2010
Neural investigations of musical rhythm and beat perception <i>Eminent Speaker Series, Goldsmiths College, University of London</i>	2010
Disorders of musical cognition <i>Neuropsychiatry, Addenbrooke's Hospital</i>	2010
Moving to the beat: the role of the striatum in musical rhythm perception	2010

<i>Department of Experimental Psychology, University of Cambridge</i>	
Feeling the beat: Musical rhythm processing	2010
<i>Faculty of Music, University of Cambridge</i>	
Prior auditory exposure effects on visual beat perception: a cross-modal investigation using fMRI	2009
<i>Workshop on Synchronization in Music and Speech, Free University of Brussels, Belgium</i>	
Moving to the groove: Motor responses in the brain during rhythm perception	2009
<i>Université Catholique de Louvain, Belgium</i>	
Music, rhythm, and movement: Why we fill the silence	2009
<i>Peterhouse College, UK</i>	
Does phonological short-term memory capacity correlate with rhythmic ability? A comparison of individual differences in nonverbal and rhythm spans	2009
<i>UCL Institute of Cognitive Neuroscience, Timing in Speech and Music Workshop</i>	
Rhythm processing in the brain: a focus on motor areas	2009
<i>Universitat Pompeu Fabre, Barcelona</i>	
Rhythm and Dance	2009
<i>EPS satellite: Workshop on Dance and the Cognitive Neurosciences</i>	
Rhythm and beat perception in the brain	2008
<i>Centre for Neuroscience in Education, Cambridge</i>	
The role of the basal ganglia in rhythm processing: Evidence from neuropsychology and neuroimaging, Invited symposium speaker	2008
<i>Neurosciences and Music III: Plasticity and Disorders, Montreal, Canada</i>	
Cognitive deficits in Parkinson's disease	2007
<i>Department of Neurology, University of Toledo</i>	
The role of motor areas in rhythm and beat perception	2007
<i>Max Planck Institute, Leipzig</i>	
Connectivity analyses in neuroimaging investigations: Symposium discussant	2007
<i>Conference on Language and Music as Cognitive Systems, University of Cambridge</i>	
The role of motor areas in rhythm and beat perception	2007
<i>Bowling Green State University</i>	
The role of motor areas in beat-based rhythm processing	2006
<i>Conference on Rhythm, Time and Temporal Organisation, The Institute for Music in Human and Social Development (IMHSD)</i>	
Neuroimaging and neuropsychology of beat-based and non-beat-based rhythm processing	
<i>Rhythms in the Brain Workshop, University of Wales, Bangor</i>	2006
Rhythm processing in the brain	2006
<i>School of Psychology, University of Wales, Bangor</i>	
Beat-based rhythm processing in the brain: Behavioural, neuroimaging, and neuropsychological investigations	2005

<i>Ohio State University, Columbus, OH</i>	
Rhythm processing in the brains of musicians and non-musicians	2005
<i>Crosstalk Interdisciplinary Colloquium, University of Cambridge, UK</i>	
Rhythm and the brain: Evidence for beat-based timing	2004
<i>School of Informatics, City University, UK</i>	
Beat-based rhythm processing and the basal ganglia	2004
<i>Open University, Milton Keynes, UK</i>	
The basal ganglia and processing beat-based rhythm in musicians and non-musicians	2004
<i>University of California, Berkeley, and Center for the Study of Language and Information, Stanford University, CA</i>	
Rhythm processing in the brains of musicians and non-musicians	2004
<i>Wolfson College, University of Cambridge, UK</i>	
Timing networks and rhythm perception	2002
<i>Cambridge University Science and Music Group, UK</i>	
Beat-based timing: A matter of complexity?	2001
<i>Cambridge University Signal Processing Colloquium</i>	

PUBLIC ENGAGEMENT

Discovery Day Demo, Canadian Medical Hall of Fame	2013
Voice of Russia: Interview "Mozart Effect", or can music make you smarter?	2013
Scientific American: Interview "Let's Get Physical: The Psychology of Effective Workout Music"	2013
TEDxWaterloo: Move to the Rhythm	2013
TEDxWestern: Music and Intelligence	2013
Kiwanis Club lecture, London, Ontario	2013
CJXX Radio: 1 interview on pleasant and unpleasant sounds	2013
Dara O'Briain's Science Club, BBC2, TV Interview and MRI scan	2012
BMI day, lab presentation and demo for Thames Valley District School Board's Gifted Program	2012
CJXX Radio: 1 interview on drumming and cognition	2012
Discovery Channel, "Jay Ingram: From the Inside Out", TV Interview and MRI scan	2012
Interviews about Grammy Foundation Grant: Metro News London, London Free Press	2012
Harry Somers Lecture, Stratford Summer Music Festival, "Music and the Brain"	2012
CBC Radio, Metamorphosis series, Interview by Richard Syrett	2012
Science pub night, sponsored by Rotman Institute of Philosophy, lecture and discussion	2012
"In the groove: the connection between music, movement, and the brain", Student Open Day, UWO	2012
"The science of being human: Nature and Nurture", Public lecture, London, Ontario	2012
CBC Radio: Q Show with Jian Ghomeshi, Interview	2012
"Links between music, movement, and the brain" Radio interviews on CBC, CJXX, CJBK, AM980	2012
CJXX Radio: 2 interviews on Music therapy and music neuroscience	2011
"The myth of the Mozart effect" BBC Radio 4 interview	2011
"The neuroscience of music: How rhythm moves us", Public lecture, Eton College, UK	2011

“Enigmas of Music and the Brain”, Television interview, C5N, Argentina	2011
“My Musical Brain”, Public lecture, the Newcastle Science Festival, UK	2011
Radio Interview on Music and the Brain, BBC West Midlands, UK	2010
“Reflections on Being a Scientist”, A Documentary	2010
“Music, movement, and the Brain”, Public lecture, Manchester Science Festival, UK	2010
"Current findings in music neuroscience", Keynote lecture, The Musical Brain: Arts, Science, & the Mind (Wellcome Trust). *Highlighted in <i>Nature</i>	2010
"Hit me with your rhythm schtick: The connection between music, movement, and the brain", British Science Festival Charles Darwin Award Lecture	2010
"Rhythms in your brain", Interactive lecture, Lovebox music festival, London, UK	2010
"The power of music", Royal Society 350th Anniversary Summer Science Exhibition: Interactive exhibit	2010
"Rhythms in your brain", Interactive lecture, the Secret Garden Party festival, UK	2010
“Music and the Brain”, Interview in Argentine newspaper <i>Perfil</i> ,	2010
Putting brain training to the test: various press interviews, including <i>Time magazine</i> , NPR, BBC Five live, <i>Wall Street Journal</i> , <i>Business Week</i> , <i>Toronto Star</i> and others.	2010
"Improvisation, Creativity, and Music", a dialogue between neuroscience and music (with Gilad Atzmon), Institute of Neuroesthetics, London, UK	2010
“Music and neuroscience: Does music make us brighter?”, Cambridge Music Festival, UK	2009
BBC Radio 3 Documentary on Musical Savants, consultant	2009
The Nash Ensemble and the Musical Brain (Wellcome Trust): Great music and why we love it, Keynote lecture and open rehearsal discussion	2009
“The Musical Brain”, Woman’s Hour, BBC Radio 4	2009
“Move to the Music”, Interview for Monitor on Psychology, American Psychological Association	2009
“Music and your brain”, Latitude Festival, Guerrilla Science, Interactive talk, Q&A	2009
“Music and your brain”, The Secret Garden Party, Guerrilla Science, Interactive talk, Q&A	2009
"Professor Regan's...Nursery", BBC2 television programme	2009
"Does music make you smarter?", Science Week, Cambridge, UK, Lecture	2009
"In the groove: Rhythm processing in the brain", Science Week, Cambridge, UK, Lecture	2006
"Testing memory for regular and irregular rhythms" Science Week, Cambridge. Interactive experiment	2004
“Rhythm processing in the brains of musicians and nonmusicians”, House of Commons: Science, Engineering, and Technology for Britain, poster presentation to Ministers of Parliament	2004
"Musical Rhythms: How we feel the beat? "Science Week, Cambridge. Interactive experiment:	2003

SERVICE

University of Western Ontario

Rotman Institute of Philosophy/Brain & Mind external speaker committee	2012 - pres
Ontario Graduate Scholarship Psychology Panel	2012
Workplace and Resource Planning committee	2011 - pres
Graduate Award and Selection committee	2011 - pres
Faculty of Education council, out-of-faculty representative	2011 - pres
Liaison for United Way charitable campaign	2011
School of Postdoctoral and Graduate Studies "Consult the experts" Grant panel	2011
Neuroscience poster judge at UWO Margaret Moffat Research Day	2011

MRC Cognition and Brain Sciences Unit

Member, Royal Society 350 th Anniversary Exhibition Planning Committee	2010
Chair and Founder, Equality Committee	2009 - 2010
Web content administrator and Member, Web Management Committee	2008 - 2010
Founding member and organizer, Postdoctoral network	2005 - 2010
MRI scan manager, Cambridge Cognitive Neuroscience Research Panel	2003 - 2010
Member, MRC CBU Unit Management Committee	2001 - 2010

University of Cambridge

Gates Cambridge scholarship, Biological Sciences Interview panel	2008 - 2010
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Clare Hall, University of Cambridge

Member, Computing Committee	2008 - 2009
Member, Search Committee for Clare Hall President	2007
Member, Official Fellowship Committee	2005 - 2009
Member, Governing Body	2004 - 2009
Member, Tanner Lectures Committee	2004 - 2005

Reviewer (Ad hoc)

Journals: Current Biology; Journal of Neuroscience; Journal of Cognitive Neuroscience; Cerebral Cortex; NeuroImage; Cortex; European Journal of Neuroscience; Human Brain Mapping; PLoS ONE; Brain and Cognition; Frontiers in Auditory Cognitive Neuroscience; Frontiers in Computational Neuroscience; Neuroscience Letters; Cognitive Brain Research; Experimental Brain Research; Behavioural Brain Research; Social Neuroscience; Cognitive, Affective, and Behavioral Neuroscience; Journal of Experimental Psychology: Human Perception and Performance; Journal of Experimental Psychology: General; Attention, Perception, & Performance; Perception; Acta Psychologica, Topics in Cognitive Science; Imaging in Medicine; Empirical Musicology Review; Psychonomic Bulletin & Review, Neuropsychological Rehabilitation

Grants: Medical Research Council, UK; Austrian Science Fund; French National Research Agency; Canadian Foundation for Innovation; Parkinson's UK, Social Sciences and Humanities

Research Council

Other:

Co-organizer, Lake Ontario Visionary Establishment Annual Conference	2012 - pres
Session Chair: Perspectives on Rhythm and Timing Conference, Glasgow, Scotland	2012
Session Chair: 12 th International Conference on Music Perception and Cognition, Thessaloniki, Greece	2012
Gates Alumni Ambassador	2010 - pres
Session Chair: 10 th International Conference on Music Perception and Cognition, Sapporo, Japan	2008
Talk, "On being a postdoc", Society for Education, Music and Psychology Research Student Conference	2008

STUDENT SUPERVISION

PhD: Daniel Cameron (UWO)	Current
MSc: Aaron Gibbings, Tram Nguyen, Taylor Parrott (UWO)	
BA honours thesis projects: Katelyn Barnes, Sonam Maghera, Steve Shaw, Karen Stoskopf (UWO)	
DM: Christine Carter (Manhattan School of Music, external supervisor)	
BA honours thesis projects: Heather Khey Beldman, Anita Paas, Rebecca Woelfle (UWO)	2012
BS placement project: Hannah Partridge (University of Cambridge)	2011
BA honours thesis projects: Tram Nguyen, Paul Armstrong, Ashley Ann Perl (UWO)	2011
BS placement projects: Alice Kay, Sarah Griffiths (University College London)	2010
Postdoctoral supervision: Cristina Nombela-Otero (University of Cambridge)	2010
Postdoctoral supervision: Jessica Fish (University of Cambridge)	2009
MSc thesis: Meike Molenveld (Maastricht University)	2009
MSc thesis: Dirk Schuit (Maastricht University)	2009
BS placement project: Megan Masters (Cardiff University)	2009
PhD placement fMRI project: Molly Henry (Bowling Green State University)	2009
Nuffield Bursary placement project, Maryyum Mehmood, awarded British Science Association CREST award (Perse School for Girls, Cambridge)	2008
BA dissertation: Andrew Robertson (Faculty of Music, University of Cambridge)	2008

PROFESSIONAL SOCIETIES

Society for Neuroscience, Cognitive Neuroscience Society, Organization for Human Brain Mapping, Society for Music Perception and Cognition, Sigma Alpha Iota, Women in Neuroscience, International Society for Behavioral Neuroscience, Southern Ontario Neuroscience Association