

Jessica A. Grahn

Brain and Mind at Western
Department of Psychology
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EMPLOYMENT

Professor, Brain and Mind Institute & Psychology Department, Western University 2023 -
Associate Professor, Brain and Mind Institute & Psychology Department, Western University 2015 - 2023
Assistant Professor, Brain and Mind Institute & Psychology Department, Western University 2011 - 2015
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

SYNC. Advisor to Boston-based start-up, SYNC, on development of a smartphone app for music and health, including a large-scale study on music and gait (www.syncproject.co) 2015 - 2018
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

HONOURS & AWARDS

Outstanding Scholar, Western Research Excellence Award, Western University 2024
NSERC Prize: EWR Steacie Fellowship \$250,000 + protected research time 2021 - 2023
Royal Society of Canada, College of New Scholars, Artists and Scientists 2020 - 2027
Fellow, Association for Psychological Science 2017
Faculty Scholar Award, University of Western Ontario **\$14,000** 2016 - 2018

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| Understanding Human Cognition Scholar Award , James S. McDonnell Foundation <i>Moving to the beat: The relationship between rhythm perception and movement</i> \$600,000 USD | 2015 - 2021 |
| New Investigator Award , Canadian Institute of Health Research: <i>Investigating the Effects of Sound on Movement</i> \$300,000 | 2015 - 2020 |
| Early Researcher Award , Ministry of Research and Innovation, <i>Brain Mechanisms of Musical Rhythm Processing</i> \$140,000 | 2012 - 2017 |
| Charles Darwin Award in Public Communication of Science , British Science Association | 2010 |
| Organization for Human Brain Mapping Travel Award \$750 | 2007 |
| Fellowship, Summer Institute in Cognitive Neuroscience: all expenses/tuition | 2004 |
| Overseas Research Student Award | 2001 - 2004 |
| Honorable mention : NSF predoctoral fellowship competition | 1999 |
| Silver medal , American Forensics League tournament, Impromptu speaking | 1996 |
| GRANTS | |
| NSERC Discovery Grant & Accelerator Supplement [PI], <i>Mechanisms of Rhythm and Timing</i> , \$235,000 | 2024 - 2029 |
| BrainsCAN Registered Reports Funding Program \$66,721 | 2021 |
| NSERC-RTI [Co-Applicant], <i>EEG equipment for studies of sleep and cognition</i> , \$149,920 | 2020 |
| BrainsCAN Accelerator [Co-PI with Henry, Butler, Joannise, Everling], <i>Validating methods for using noninvasive brain stimulation to influence auditory perception</i> , \$91,980 | 2019 - 2020 |
| McGill-Western Collaboration Grant [Co-PI with Zatorre], <i>OMMABA: The Open Multimodal Music and Auditory Brain Archive</i> , \$375,171 | 2018 - 2021 |
| CPSR Catalyst Grant [Co-Investigator with Principal Applicant Patterson], <i>Feasibility of rhythm perception and production training in people with stroke</i> , \$49,987 | 2017 - 2018 |
| NSERC-CREATE Grant [Co-PI], <i>Complex Dynamics in Brain and Behaviour</i> , \$1,650,000 | 2017 - 2023 |
| NSERC Discovery Grant & Accelerator Supplement [PI], <i>Mechanisms of Rhythm Perception</i> , \$375,000 + \$102K extension | 2016 - 2023 |
| SSHRC Insight Development Grant [Co-Applicant], <i>Optimizing Music Learning: The Effects of Contextual Interference</i> , \$74,296 | 2016 - 2019 |
| LIVELab seed grant [Co-Investigator with Co-Principal Investigators Cameron and Henry] <i>The role of social context in intersubject synchronization between audience members during musical performances</i> \$11,400 | 2015 |
| CIHR-Collaborative Health Research Project Grant [Co-Principal Applicant with Patterson, Chen, Depaul] <i>The relationship of temporal gait asymmetry and rhythm perception and production</i> \$450,200 | 2015 - 2018 |

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| Operating Grant Priority Announcement, Canadian Institutes of Health Research and Parkinson Society Canada [PI], <i>Investigating Sound and Movement</i> \$100,000 | 2014 - 2016 |
| Parkinson Society Pilot Grant, <i>Individual differences in response to auditory cues in Parkinson's disease</i> \$44,987 | 2014 - 2015 |
| NSERC Research Tools and Instruments Grant [Co-Investigator with Owen, Fogel, Cusack, Morton, & McRae], <i>Simultaneous and synchronized electroencephalography (EEG) and functional magnetic resonance imaging (fMRI) during sleep in normal and brain injured populations</i> \$145,503 | 2014 - 2015 |
| Western Strategic Support for CIHR Success, <i>Individual differences in response to auditory cues in Parkinson's disease</i> \$22,500 | 2013 - 2014 |
| GRAMMY Foundation Research Grant[PI], <i>Brain Responses to Music in Human and Nonhuman Animals</i> \$19,500 USD | 2012 - 2014 |
| J.P. Bickell Foundation Medical Research Program[PI], <i>Optimizing effects of music on movement in Parkinson's disease</i> \$65,000 | 2012 - 2013 |
| Leaders Opportunity Fund, Canadian Foundation for Innovation \$112,000 | 2012 - 2017 |
| Ontario Research Fund \$112,000 | 2012 - 2017 |
| Natural Sciences & Engineering Research Council, Discovery Grant [PI], <i>Individual Differences and Auditory-Motor Interactions in Rhythm Perception</i> , \$120,000 | 2011 - 2016 |
| R.K. MacDonald Fund for Parkinson's Research, <i>Research into Parkinson's Disease</i> \$70,000 | 2011 - 2015 |
| GRAMMY Foundation Research Grant, \$20,300 [Co-Investigator with D. McAuley] | 2007 - 2009 |
| Brain Travel Grants: £700, £600, £550 | 2004/05/07 |
| Wolfson Travel Fund £150 , Lane Cox Fund £100 | 2004 |

FELLOWSHIPS/SCHOLARSHIPS

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| 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 |
| Overseas Research Scholarship (international student PhD tuition support) | 2001 - 2004 |
| Predocctoral 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

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|---------------------------------------------------------------------------|-------------|
| Director, Undergraduate Programme in Neuroscience | 2021 - pres |
| Coordinator, Neuroscience Honours Thesis Course (full year 1.0) | 2021 - pres |
| Coordinator, Neuroscience Independent Study Course (full year 1.0) | 2021 - pres |

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| Cognitive Neuroscience of Music (Undergraduate .5 year course) | 2011/12/14 /16/20/21 |
| Guest lecture , Kinesiology Graduate Seminar | 2021 |
| Guest lecture , Neuroscience Programme graduate seminar (9500) | 2019/20/21/22 |
| Guest lecture , Psychology Graduate Proseminar | 2018/21/22 |
| Seminar in Cognitive, Developmental, and Brain Sciences (Graduate, .5 year course) | 2017-2018 |
| Scientific Writing , (Graduate .5 year course) | 2015 |
| Neuroimaging Methods , Interdisciplinary College (IK) Spring school, Gunne, Germany | 2012, 2013 |
| Faculty Member , Graduate Program in Neuroscience, UWO | 2011 - pres |
| 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 |
| 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 (80 papers, h-index: 40, 10,000+ citations) *=trainee

- T. Nguyen*, R. Lagacé-Cusiac*, J.C. Everling*, M.J. Henry*, **J.A. Grahn**. Audiovisual integration of rhythm in musicians and dancers (2024) *Attention, Perception, & Psychophysics* doi.org/10.3758/s13414-024-02874-x
- N. Jacoby, R. Polak, **J. Grahn**, D. Cameron, K. M. Lee, R. Godoy, E. A. Undurraga, T. Huanca, T. Thalwitzer, N. Doumbia, D. Goldberg, E. Margulis, P. C. M. Wong, L. Jure, M. Rocamora, S. Fujii, P. E. Savage, J. Ajimi, R. Konno, S. Oishi, K. Jakubowski, A. Holzapfel, E. Mungan, E. Kaya, P. Rao, R. M. Ananthanarayana, S. Alladi, B. Tarr, M. Anglada-Tort, P. Harrison, M. J. McPherson, S. Dolan, A. Durango & J. H. McDermott. Commonality and variation in mental representations of music revealed by a cross-cultural comparison of rhythm priors in 15 countries (2024). *Nature Human Behavior* doi.org/10.1038/s41562-023-01800-9
- A. Al Jaja*, T. Sue, M. Prenger, K. N. Seergobin, **J.A. Grahn**, P. A. MacDonald. Alprazolam Reduces Freezing of Gait (FOG) and Improves FOG-Related Gait Deficiencies. (2024) *Parkinson's Disease*. doi.org/10.1155/2024/3447009
- J.D. Hoddinott*, **J.A. Grahn**. Effects of learning on neural representations of rhythm and beat (Stage 1 Registered Report, Accepted in Principle 2023) *Cortex*
- N. Spiro, K.R.M. Sanfilippo, B.B. McConnell, G. Pike-Rowney, F. Bonini Baraldi, B. Brabec, K. Van Buren, D. Camlin, T.M. Cardoso, B.U. Çifdalöz, I. Cross, B. Dumbauld, M.

- Ettenberger, K. Falkenberg, S. Fouché, E. Frid, J. Gosine, A.I. Graham-Jackson, **J.A. Grahn**, K. Harrison, B. Ilari, S. Mollison, S.J. Morrison, G. Pérez-Acosta, R. Perkins, J. Pitt, T.-C. Rabinowitch, J.-P. Robledo, E. Roginsky, C. Shaughnessy, N. Sunderland, A. Talmage, G. Tsiris K. de Wit. Perspectives on Musical Care Throughout the Life Course: Introducing the Musical Care International Network. *Music & Science*, 6.
doi.org/10.1177/20592043231200553
- C.Y. Yu*, A. Cabildo, **J.A. Grahn**, C.M. Vanden Bosch der Nederlanden*. Perceived rhythmic regularity is greater for song than speech: examining acoustic correlates of rhythmic regularity in speech and song (2023) *Frontiers in Psychology* 14, 1167003.
doi.org/10.3389/fpsyg.2023.1167003
- A. Sternin*, L.M. McGarry*, B. Stojanoski, **J.A. Grahn**, A.M Owen. The effect of repetition on intersubject synchrony assessed with fMRI (2023) *Cortex* 167, 51–64.
<https://doi.org/10.1016/j.cortex.2023.05.020>
- A. Gibbings*, D. Cruse, B. Stojanoski, **J.A. Grahn**, M.J. Henry*. Attention modulates neural measures of beat perception (2023) *European Journal of Neuroscience* 57(9), 1529 – 1545. <https://doi.org/10.1111/ejn.15962>
- D.L. Kogutek*, E.A. Ready*, J.D. Holmes, **J.A. Grahn**. Synchronization during Improvised Active Music Therapy in clients with Parkinson’s disease (2023) *Nordic Journal of Music Therapy* 32(3), 202-219, <https://doi.org/10.1080/08098131.2022.2107054>
- D.L. Kogutek*, E.A. Ready*, J.D. Holmes, **J.A. Grahn**. Evaluating note frequency and velocity during Improvised Active Music Therapy in clients with Parkinson’s (2023) *Journal of Music Therapy* 60(1), 36–63. <https://doi.org/10.1093/jmt/thac014>
- C. Vanden Bosch der Nederlanden*, X. Qi*, S. Sequeira*, P. Seth*, **J.A. Grahn**, M. Joannis, E. Hannon. Developmental changes in the perceptual categorization of speech and song (2022) *Developmental Science* 26 (5), e13346N.
- L.N. Gabel, A.R. Daoust, T.M. Olino, **J.A. Grahn**, C. E. Durbin, E.P. Hayden. Children's emotional reactivity to emotionally evocative stimuli: Associations with internalizing symptoms. (2022) *Merrill-Palmer Quarterly*. 68 (4), 437-477.
[10.1353/mpq.2022.a905092](https://doi.org/10.1353/mpq.2022.a905092)
- R. Lagacé-Cusiac*, P.F. Tremblay, D. Ansari, **J.A. Grahn**. Investigating the relationships between temporal and spatial ratio estimation and magnitude discrimination using structural equation modeling: Evidence for a common ratio processing system. (2022) *Journal of Experimental Psychology: Human Perception and Performance* 49(1), 108–128. <https://doi.org/10.1037/xhp0001062>
- E.A. Ready*, **J.A. Grahn**. Gait in younger and older adults during rhythmic auditory stimulation is influenced by groove, familiarity, beat perception, and synchronization demands (2022) *Human Movement Science* 84:102972
- C.M. Vanden Bosch der Nederlanden*, M.F. Joannis, **J.A. Grahn**, T.M. Snijders. Familiarity modulates neural tracking of sung and spoken utterances (2022). *NeuroImage*, 252, 119049
- P. Hsu*, E.A. Ready*, **J.A. Grahn**, The effects of Parkinson’s disease, music training, and dance training on beat perception and production abilities (2022). *PLoS ONE*, 17(3), e0264587

- T. Nguyen*, R.K. Sidhu*, J.C. Everling*, M.C. Wickett, A. Gibbings*, **J.A. Grahn**. Beat perception and production in musicians and dancers (2022). *Music Perception*, 39(3), 229-248
- J.D. Hoddinott*, D. Schuit*, **J.A. Grahn**. Comparisons between short-term memory systems for verbal and rhythmic stimuli (2021). *Neuropsychologia* 163, 108080.
- A. Sternin*, L.M. McGarry*, A.M. Owen, **J.A. Grahn**. The effect of familiarity on neural representations of music and language (2021). *Journal of Cognitive Neuroscience*, 33(8), 1595-1611. doi: 10.1162/jocn_a_01737
- D.L. Kogutek*, J.D. Holmes, **J.A. Grahn**, E.A. Ready*, M. Montero-Odasso. Improvised active music therapy for clients with Parkinson's disease: A feasibility study (2021). *British Journal of Music Therapy* 35(4): 135945752110291
- L.D. Crosby, J.L. Chen, **J.A. Grahn**, K.K. Patterson. The Effect of Rhythm Abilities on Metronome-Cued Walking with an Induced Temporal Gait Asymmetry in Neurotypical Adults (2021). *Journal of Motor Behaviour*, 54(3), 267-280. Doi:10.1080/00222895.2021.1953959
- B. Roberts*, E.A. Ready*, **J.A. Grahn**. Music enjoyment does not enhance walking speed in healthy adults during music-based auditory cueing (2021). *Gait and Posture*, 89, 132-138
- L-A. Leow*, S. Watson*, D. Prete*, **J.A. Grahn**. How groove in music affects gait (2021). *Experimental Brain Research*, 239(8), 2419-2433. doi: 10.1007/s00221-021-06083-y
- L.D. Crosby, J.L. Chen, **J.A. Grahn**, K.K. Patterson. Perceptions of an over-ground induced temporal gait asymmetry by healthy young adults (2021). *Human Movement Science*, 78, 102806
- B. Samuels*, **J.A. Grahn**, M.J. Henry*, S. MacDougall-Shackleton, European starlings (*Sturnus vulgaris*) discriminate rhythms by rate, not temporal patterns (2021). *The Journal of the Acoustical Society of America*, 149(4), 2546-2558.
- C. Nwebube, G.E. Faulkner, L.R. Bartel, T.A. Stukel, D.A. Redelmeier, S. Marzolini, J.L. Chen, J.M. Goodman, P.I. Oh, L.J. Trainor, J. Wolpert, **J.A. Grahn**, P. Raval, D.A. Alter. Rhythmic auditory music stimulation increases task-distraction during exercise among cardiac rehabilitation patients: A secondary analysis of a randomized controlled trial (2020). *Psychology of Sport and Exercise*, 53, 101868.
- L.D. Crosby, J.S. Wong, J.L. Chen, **J.A. Grahn**, K.K. Patterson. An initial investigation of the responsiveness of temporal gait asymmetry to rhythmic auditory stimulation and the relationship to rhythm ability following stroke (2020). *Frontiers in Neurology*, 11, 1214. doi.org/10.3389/fneur.2020.517028
- A. Marti Marca*, T. Nguyen*, **J.A. Grahn**. Keep calm and pump up the jams: How musical mood and arousal affect visual attention (2020) *Music & Science*, 3, doi.org/10.1177/2059204320922737
- C. Vanden Bosch der Nederlanden*, M.F. Joannisse, **J.A. Grahn**. Music as a scaffold for listening to speech: Better neural phase-locking to song than speech (2020). *NeuroImage*, 214, 116767
- A. Al Jaja*, **J.A. Grahn**, B. Herrmann, P.A. MacDonald. The effect of aging, Parkinson's disease, and exogenous dopamine on the neural response associated with auditory regularity processing (2020). *Neurobiology of Aging*, 81, 71-82.

- D. Rose, D.J. Cameron, P.J. Lovatt, **J.A. Grahn**, L.E. Annett. Comparing spontaneous motor tempo when finger tapping, toe tapping and stepping on the spot in people with and without Parkinson's disease (2020). *Journal of Movement Disorders*, 13(1), 47-56.
- D. L. Kogutek*, J.D. Holmes, **J.A. Grahn**, & J. De Souza. (2019). Improvised Active Music Therapy Treatment: Methodological System in Neurological Rehabilitation. *Canadian Journal of Music Therapy*, 25, 60-75.
- J.E. Taylor*, **J.A. Grahn**. Simple random interval generation reveals the irresistibly periodic structure of perceived time (2019). *Attention, Perception, & Psychophysics*, 81(5), 1204-1208.
- L.N. Gabel, A.R. Daoust, **J.A. Grahn**, C.E. Durbin, E.P. Hayden. Development and validation of a battery of emotionally evocative film clips for use with young children (2019). *Psychological Assessment*, 31(8), 1040-1051.
- E.A. Ready*, L.M. McGarry*, C. Rinchon, J.D. Holmes, **J.A. Grahn**. Beat perception ability and instructions to synchronize influence gait when walking to music-based auditory cues (2019). *Gait & Posture*, 68, 555-561.
- S. Modarresi, A. Divine, **J.A. Grahn**, T. J. Overend, S. W. Hunter. Gait parameters and characteristics associated with increased risk of falls in people with dementia: a systematic review (2018). *International Psychogeriatrics*, 31(9), 1-17.
- L. McKetton, D. Purcell, V. Stone, **J.A. Grahn**, C. Bergevin. No otoacoustic evidence for a peripheral basis of absolute pitch. (2018). *Hearing Research*, 370, 201-208.
- K.K. Patterson, J. Wong, S. Knorr, **J.A. Grahn**. Rhythm perception and production abilities and their relationship to gait after stroke (2018). *Archives of Physical Medicine and Rehabilitation*, 99(5), 945-951.
- D. Levitin, **J.A. Grahn**, J. London. The psychology of music: Rhythm and movement (2018). *Annual Reviews in Psychology*, 69, 51-75. doi.org/10.1146/annurev-psych-122216-011740
- F.L. Bouwer*, J.A. Burgoyne, D. Odijk, H. Honing, **J.A. Grahn**. What makes a rhythm complex? The influence of musical training and accent type on beat perception (2018). *PLoS ONE*, 13(1), e0190322.
- L.-A. Leow*, K. Waclawik*, **J.A. Grahn**. The role of attention and intention in synchronization to music: Effects on gait (2018). *Experimental Brain Research* 236(1), 99-115. doi.org/10.1007/s00221-017-5110-5
- T. Nguyen*, **J.A. Grahn**. Mind your music: The effects of music-induced mood and arousal across different memory tasks (2017). *Psychomusicology: Music, Mind, and Brain*, 27(2), 81-94.
- M.J. Henry*, B. Herrmann, **J.A. Grahn**. What can we learn about beat perception by comparing brain signals and stimulus envelopes? (2017). *PLoS ONE*, 12(2), e0172454.
- D.L. Kogutek*, J.D. Holmes, **J.A. Grahn**, S.G. Lutz, E.A. Ready*. Active music therapy and physical improvements from rehabilitation for neurological conditions (2016). *Advances in Mind-Body Medicine*, 30(4), 14-22.
- C.E. Carter*, **J.A. Grahn**. Optimizing music learning: Exploring how blocked and interleaved practice schedules affect advanced performance (2016). *Frontiers in Psychology* 7, 1251.
- E.S. Nichols*, **J.A. Grahn**. Neural correlates of audiovisual integration in music reading (2016). *Neuropsychologia*, 91, 199-210.

- D.J. Cameron*, K.A. Pickett, G.M. Earhart, **J.A. Grahn**. The effect of dopaminergic medication on beat-based auditory timing in Parkinson's disease (2016). *Frontiers in Neurology*, 7, 19. doi: 10.3389/fneur.2016.00019
- A. Corbett, A.M. Owen, A. Hampshire, **J.A. Grahn**, R. Stenton, S. Dajani, A. Burns, R. Howard, N. Williams, C. Ballard. The effect of an online training package on cognition in healthy adults over 50: An online randomised controlled trial (2015). *JAMDA Journal of the American Medical Directors Association*, 16(11), 990-997. doi:10.1016/j.jamda.2015.06.014
- J.D. Holmes, L.K. Brigham, M.E. Jenkins, E.A. Ready*, S.G. Lutz, A.M. Johnson, **J.A. Grahn**. The effects of manipulating spatial location of visual cue placement on gait among individuals with Parkinson's Disease: A pilot study (2015). *Physical and Occupational Therapy in Geriatrics*, 33(3), 263-278. doi: 10.3109/02703181.2015.1045109
- D.J. Cameron*, **J.A. Grahn**. Cross-cultural influences on rhythm processing: Reproduction, discrimination, and beat tapping (2015). *Frontiers in Auditory Cognitive Neuroscience*, 6, 366. doi: 10.3389/fpsyg.2015.00366
- H. Merchant, **J.A. Grahn**, L.J. Trainor, M. Rohrmeier, W.T. Fitch. Finding the beat: A neural perspective across human and non-human primates (2015). *Philosophical Transactions of the Royal Society B*, 370, 20140093. doi: 10.1098/rstb.2014.0093
- S. Reaves, B. Graham, **J.A. Grahn**, P. Rabannifard, A. Duarte. Turn off the music! Music impairs visual associative memory performance in older adults (2015). *The Gerontologist*, 56(3), 569-577. doi: 10.1093/geront/gnu113
- L.-A. Leow*, V.-R. Rinchon*, **J.A. Grahn**. Familiar music increases walking speed in rhythmic auditory cueing (2015). *Annals of the New York Academy of Sciences*, 1337(1), 53-61. doi: 10.1111/nyas.12658
- D.J. Cameron*, **J.A. Grahn**. Enhanced temporal production abilities in percussionists generalize beyond entrainment and musical plausibility (2014). *Frontiers in Human Neuroscience*, 8, 1003. doi: 10.3389/fnhum.2014.01003
- L.-A. Leow*, T. Parrott*, **J.A. Grahn**. Individual differences in beat perception affect gait responses to low- and high-groove music (2014). *Frontiers in Human Neuroscience*, 8, 811. doi: 10.3389/fnhum.2014.00811
- D.J. Cameron*, **J.A. Grahn**. Neuroscientific investigations of musical rhythm (2014). *Acoustics Australia*, 42(2), 111-116.
- A.J. Hall, T.A. Brown, **J.A. Grahn**, J.S. Gati, P.L. Nixon, S.M. Hughes, S.M. Ravi, S.G. Lomber. There's more than one way to scan a cat: Imaging cat auditory cortex with high-field fMRI using continuous or sparse sampling (2014). *Journal of Neuroscience Methods* 224, 96-106.
- S.L. Watson*, **J.A. Grahn**. Perspectives on rhythm processing in motor regions of the brain (2013). *Music Therapy Perspectives* 31(1), 25-30.
- R. Woelfle*, **J.A. Grahn**. Auditory and visual interhemispheric communication in musicians and non-musicians (2013). *PLOS ONE*, 8(12), e84446. doi: 10.1371/journal.pone.0084446
- C. Nombela*, L.E. Hughes, A.M. Owen, **J.A. Grahn**. Into the groove: Can music influence Parkinson's disease? (2013). *Neuroscience and Behavioural Reviews*, 37(10), 2564-2570.

- 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), 5301-5311. 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. doi: 10.1016/j.neuropsychologia.2013.05.005
- C. 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). *Psychomusicology: Music, Mind and Brain* 22(2), 105-121.
- J.A. Grahn**, T. Manly. Common neural recruitment across diverse sustained attention tasks (2012). *PLOS ONE* 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* 23(4), 913-921 doi: 10.1093/cercor/bhs083
- J.A. Grahn**. Neural mechanisms of rhythm perception: Current findings and future perspectives (2012). *Topics in Cognitive Science*, 4(4), 585-606.
- 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(2), 1231-1243.
- 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(7299), 775-778.
- 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(4), 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(1), 35-45.
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- J.D. Hoddinott*, **J.A. Grahn**, *Neural representations of rhythm and beat perception*. Poster Presented at Rhythm Production and Perception Workshop (RPPW). Virtually hosted in Oslo, Norway, June 2021
- A. Al Jaja*, K. Seergobin, **J. A. Grahn**, P. A. MacDonald, *Alprazolam reduces freezing of gait in patients with Parkinson's disease*. Orally presented at Western Neuroscience Research day, London, ON, February 2021

- H. Zheng*, E.A Ready*, K. Von Handorf*, **J.A Grahn**, *Metronome and pitch: tapping into human music perception*. Orally presented at Western Student Research Conference, London, ON, March 2021
- P. Hsu*, E. A. Ready*, **J. A. Grahn**, *The Effects of Music and Dance Training on Beat Perception and Production Abilities in Parkinson's Disease*. Orally presented at NeuroMusic. Virtually hosted by McMaster University, Hamilton, ON, Nov 2020
- J.D. Hoddinott*, **J.A. Grahn**, *Neural representations of rhythm and beat perception*. Poster Presented at NeruoMusic. Virtually hosted by McMaster University, Hamilton, ON, Nov 2020
- P. Hsu*, E. A. Ready*, **J. A. Grahn**, *The Effects of Music and Dance Training on Beat Perception and Production Abilities in Parkinson's Disease*. Poster presented at NSERC-CREATE Program. Virtually hosted by McGill, Montreal, QC, August 2020
- J.D. Hoddinott*, **J.A. Grahn**, *Neural representations of rhythm and beat perception*. Poster Presented at NSERC-CREATE Program. Virtually hosted by McGill, Montreal, QC, August 2020
- J.W. Hopper*, L. J. Batterink, **J. A. Grahn**, *Does musical stimulation during slow-wave sleep enhance slow oscillations and associated memory performance?* Poster presented at Cognitive Neuroscience Society (CNS), Virtual, May 2020
- S. Raza*, M.J. Henry, D.J. Cameron, **J.A. Grahn**, *Does corticospinal excitability fluctuate when listening to isochronous rhythms?* Poster presented at Lake Ontario Visionary Establishment (LOVE) Conference, Niagara Falls, Ontario, Canada, February 2020
- S. Raza*, M.J. Henry, D.J., Cameron, **J.A. Grahn**. *Does Corticospinal Excitability Fluctuate when Listening to Isochronous Rhythms?* Poster, Timing Research Forum (TRF), Queretaro, Mexico, October 2019
- J.D. Hoddinott*, M.J. Henry, **J.A. Grahn**. *The Influence of Familiarity on Beat Perception and Oscillatory Entrainment*. Poster, Timing and Rhythm Forum (TRF), Queretaro, Mexico, October 2019
- C.M. Vanden Bosch der Nederlanden*, **J.A. Grahn**. *Better phase-locking to song than speech*. Oral presentation, Rhythm Production and Perception Workshop (RPPW), Traverse City, Michigan, USA, June 2019
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- N. Oesch*, I. Johnsrude, **J.A. Grahn**. *Music performance and social bonding*. Oral presentation, Evolution and Human Behavior Society (HBES), Boston, Massachusetts, USA, May 2019
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- D. Kogutec*, **J.A. Grahn**, J.D. Holmes. *Efficacy of rhythmic acquisition on gait performance among individuals with Parkinson's disease*. Oral presentation, Canadian Association for Music Therapists, St. John's, Newfoundland, CA, May 2018
- D. Kogutec*, **J.A. Grahn**, J.D. Holmes. *Efficacy of rhythmic acquisition on gait performance among individuals with Parkinson's disease*. Oral presentation, Ontario Music Therapy Association, Toronto, Ontario, CA, February 2018
- A.A. Jaja*, B. Herrmann, **J.A. Grahn**, P.A. MacDonald. *L-dopa alters the process of auditory regularity detection*. Poster, Southern Ontario Neuroscience Association (SONA), Guelph, Ontario, CA, May 2018
- B. Samuels*, **J.A. Grahn**, S. MacDougall-Shackleton, M.J. Henry*. *Discriminating between strong and weaker beats in temporal patterns*. Poster, Southern Ontario Neuroscience Association (SONA), Guelph, Ontario, CA, May 2018
- A. Sternin*, **J.A. Grahn**, A.M. Owen. *Identifying characteristics of perception and imagination of rhythms and speech in an EEG signal*. Oral presentation, Decoding Mental States Using EEG, Montreal, Quebec, CA, March 2018
- J.D. Hoddinott*, **J.A. Grahn**. *The role of predictability in beat perception*. Oral presentation, Symposium on Timing And Rhythm (STAR), London, Ontario, CA, April 2018
- A. Gibbings*, **J.A. Grahn**. *The effect of beat percept on neural entrainment when the stimulus is the same*. Oral presentation, Symposium on Timing And Rhythm (STAR), London, Ontario, CA, April 2018
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- L. Gabel, M. Salisbury, A. Daoust, **J.A. Grahn**, C. E. Durbin, E. Hayden. *Development and validation of a developmentally appropriate battery of emotionally evocative stimuli for*

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- P.A. MacDonald, **J.A. Grahn**, A.A. Jaja*, B. Herrmann. *L-dopa impairs regularity detection: An auditory EEG study in PD and age-matched controls.* Poster, Canadian Association for Neuroscience, Vancouver, BC, May 2018
- D.J. Cameron*, M.J. Henry*, J.C. Everling*, **J.A. Grahn** *Motor system excitability dynamics during auditory anticipation and beat perception.* Poster, Perturbing and Enhancing Perception and Action using Oscillatory Neural Stimulation, Cambridge, UK, January 2018
- M.J. Henry*, D.J. Cameron*, D. Swarbick, D. Bosnyak, L. Trainor, **J.A. Grahn.** *Live music increases intersubject synchronization of audience members' brain rhythms.* Oral presentation, Cognitive Neuroscience Society Annual Conference, Boston, Massachusetts, USA, March 2018
- D.J. Cameron*, M.J. Henry*, J.C. Everling*, **J.A. Grahn.** *Motor system excitability dynamics during auditory anticipation and beat perception.* Poster, Rhythm Production and Perception Workshop (RPPW), Birmingham, UK, July 2017
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- A. Gibbings*, M.J. Henry*, **J.A. Grahn** *Investigating the effect of beat strength and sound envelope on neural entrainment to rhythmic stimuli.* Poster, Rhythm Production and Perception Workshop (RPPW), Birmingham, UK, July 2017
- C.M. Vanden Bosch der Nederlanden*, **J.A. Grahn**, M. Joannis. *Phase-locking to the rhythms of speech and song.* Neural Entrainment and Rhythm Dynamics, Boston, Massachusetts, USA, June 2017
- A. Gibbings*, M.J. Henry*, **J.A. Grahn.** *The effect of beat strength and sound envelope on neural entrainment.* Neural Entrainment and Rhythm Dynamics, Boston, Massachusetts, USA, June 2017
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- B. Samuels*, **J.A. Grahn**, S. MacDougall-Shackleton, M.J. Henry*. *Can songbirds discriminate between sounds that contain strong and weak beats.* Neural Entrainment and Rhythm Dynamics, Boston, Massachusetts, USA, June 2017
- B. Roberts*, **J.A. Grahn.** *Music enjoyment has no influence on spatiotemporal gait parameters in healthy young adults.* Poster, International Society for Gait and Posture Research World Congress, Fort Lauderdale, Florida, USA, June 2017
- E.A. Ready*, L. McGarry*, J. Holmes, **J.A. Grahn.** *In sync with the groove: How is synchronization accuracy altered by cue pace and perceived groove during rhythmic auditory stimulation?* Poster, International Society for Gait and Posture Research World Congress, Fort Lauderdale, Florida, USA, June 2017

- M.J. Henry*, A. Gibbings*, **J.A. Grahn**. *Separating stimulus-driven and entrained neural responses using musical rhythms*. Poster, 6th International Conference on Auditory Cortex, Banff, Alberta, CA, September 2017
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- D.J. Cameron*, L. Prado, **J.A. Grahn**, H. Merchant. *Comparing human and nonhuman primate brain responses to auditory sequences using EEG*. Poster, Society for Neuroscience, Washington, D.C., USA, November 2017
- M.J. Henry*, D.J. Cameron*, D. Swarbrick, D. Bosnyak, L.J. Trainor, **J.A. Grahn**. *Live music increases intersubject synchronization of audience members' brain rhythms*. Poster, Society for Neuroscience, Washington, DC, November 2017
- D.J. Cameron*, L. Prado, **J.A. Grahn**, H. Merchant. *Comparing human and nonhuman primate brain responses to auditory sequences using EEG*. First Annual Timing Research Forum, Strasbourg, France, October 2017
- M.J. Henry, A. Gibbings*, **J.A. Grahn**. *Separating stimulus-driven and entrained neural responses using musical rhythms*. Poster, First Annual Timing Research Forum, Strasbourg, France, October 2017
- J.A. Grahn**, D.J. Cameron*. *Cross-cultural comparisons of neural and motor entrainment to the beat*. Oral presentation. First Annual Timing Research Forum, Strasbourg, France, October 2017
- D. Prete, M. J. Henry*, D. Cameron*, **J.A. Grahn**. *The association between movement and enjoyment in groovy music: An ERP study*. Poster presented at Lake Ontario Visionary Establishment (LOVE) Conference, Niagara Falls, Ontario, CA, February 2017
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- B. Roberts*, **J.A. Grahn**. *Music enjoyment does not influence spatiotemporal gait parameters during rhythmic auditory stimulation (RAS)*. Poster, Lake Ontario Visionary Establishment (LOVE) Conference, Niagara Falls, Ontario, CA, February 2017
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- M.J. Henry*, **J.A. Grahn**. *Neural entrainment during beat perception and its relation to psychophysical performance*. Poster, Society for Neuroscience, San Diego, California, USA, November 2016
- D.J. Cameron*, J.C. Everling*, T. Change, **J.A. Grahn**. *Beat perception induces fluctuations in motor system excitability*. Poster, Society for Neuroscience, San Diego, California, USA, November 2016
- E.A. Ready*, L.M.J. McGarry*, J.D. Holmes, **J.A. Grahn**. *Higher levels of perceived groove in music improve spatiotemporal parameters of gait during accelerated rhythmic auditory stimulation*. Poster, Society for Neuroscience, San Diego, California, USA, November 2016

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- M.J. Henry*, **J.A. Grahn**. *Metrical structure makes discriminating pitch (and intensity) targets more difficult*. BRAMS: The Next 10 Years, Montreal, Quebec, CA, October 2015
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- M.J. Henry*, **J.A. Grahn**. *Metrical structure makes discriminating pitch (and intensity) targets more difficult*. Society for Neuroscience, Chicago, Illinois, USA 2015
- L.A., Leow*, C. Rinchon*, **J.A. Grahn**. *The role of motor areas in beat-based and non-beat-based timing*. Society for Neuroscience, Chicago, Illinois, USA, 2015
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- C. Carter*, **J.A. Grahn**. *Making practice stick: Exploring interleaved practice schedules as an alternative to blocked repetition*, International Symposium international LTM21 / AEM21, Montreal, Quebec, CA, 2015
- T. Nguyen*, **J.A. Grahn**. *Free-walking and synchronized rhythmic auditory stimulation: Effects of individual differences in beat perception, dance and music training on gait*. Society for Music Perception and Cognition (SMPC), Nashville, Tennessee, USA, August, 2015.
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- L. McKetton, V. Stone, **J.A. Grahn**, D.W. Purcell, C. Bergevin. *No otoacoustic evidence for a peripheral basis underlying absolute pitch*. International Conference on Perceptual Organization, Toronto, Ontario, CA, June 2015
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- E.A. Ready*, L.M.J. McGarry*, C. Rinchon*, J.D. Holmes, **J.A. Grahn**. *Free-walking rhythmic auditory stimulation: Effects of familiarity and perceived groove on gait*. Canadian Society for Brain, Behaviour and Cognitive Science, Ottawa, Ontario, CA, May 2015
- E.A. Ready*, L.M.J. McGarry*, C. Rinchon*, J.D. Holmes, **J.A. Grahn**. *Free-walking and synchronized rhythmic auditory stimulation: Effects of individual differences in beat perception, dance and music training on gait*. International Society for the Study of Individual Differences, London, Ontario, CA, July 2015.
- V. Wu*, D.J. Cameron*, **J.A. Grahn**. *Timing and changes of motor area excitability in beat perception*. Southern Ontario Neuroscience Association (SONA), Hamilton, Ontario, CA, 2015
- C. Rinchon*, L.-A. Leow*, **J.A. Grahn**. *Effects of transcranial direct current stimulation of the supplementary motor area on absolute and relative timing*. Southern Ontario Neuroscience Association (SONA), Hamilton, Ontario, CA, 2015
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- D.J. Cameron*, **J.A. Grahn**. *Percussionists' enhanced beat and rhythm production abilities generalize to musically implausible temporal sequences*. Poster, Lake Ontario Visionary Establishment (LOVE) Conference, Niagara Falls, Ontario, CA, February 2014
- T. Nguyen*, S. Tam, M.C. Wickett, **J.A. Grahn**. *Examining differences in beat perception and production between musicians and dancers*. Poster, Lake Ontario Visionary Establishment (LOVE) Conference, Niagara Falls, Ontario, CA, February 2014

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- T. Nguyen, **J.A. Grahn**. *Context-dependent memory: the effects of musical mood and musical arousal on memory performance*. Society for Music Perception and Cognition, Toronto, ON, Canada, 2013
- D.J. Cameron, **J.A. Grahn**. *Stages of beat perception and the influence of incongruity: An fMRI study*. Society for Music Perception and Cognition, Toronto, ON, Canada, 2013
- M. McMahon, **J.A. Grahn**, C. Loveday. *The effect of language and musical training on rhythm perception*. Society for Music Perception and Cognition Conference, Toronto, Canada, 2013
- D.J. Cameron, **J.A. Grahn**. *Stages of Beat Perception and the Influence of Incongruity: An fMRI Study*. Rhythm Perception & Production Workshop, Birmingham, UK, 2013
- D. Cameron, **J.A. Grahn**. *The effects of beat induction, continuation, and ambiguity on striatal activity during rhythm processing*. Society for Neuroscience, New Orleans, USA, 2012
- A.J. McMillan, T.A. Brown, M.F. Joannisse, **J.A. Grahn**, and S.G. Lomber. *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, 2012
- R. Woelfle, **J.A. Grahn**. *Inter-Hemispheric Communication in Musicians and Non-Musicians*. Canadian Journal Of Experimental Psychology-Revue Canadienne De Psychologie Experimentale 66: 283, 2012
- J.A. Grahn**. *Chunking vs beat perception in auditory short-term memory*. Proceedings of the Perspectives on Rhythm and Timing Conference, Glasgow, Scotland, 2012
- M. Urner, M. Sarri, T. Manly, **J. Grahn**, G. Rees. *Pre-stimulus activity predicts awareness in visual extinction*
- P. Armstrong, K. Applegath, **J.A. Grahn** (2012). *Music-Dependent Memory*. Canadian Journal Of Experimental Psychology-Revue Canadienne De Psychologie Experimentale 66:285
- A. Paas, **J.A. Grahn** (2012). *The Influence of Tonality on Rhythmic Perception*. Canadian Journal Of Experimental Psychology-Revue Canadienne De Psychologie Experimentale 66:287
- T. Parrott, **J.A. Grahn** (2012). *Examining Memory for Beat-Based Rhythms*. Canadian Journal Of Experimental Psychology-Revue Canadienne De Psychologie Experimentale 66: 293
- H.K. Beldman, **J.A. Grahn** (2012). *Beat Perception in 3D: A Comparative Analysis Between Sight, Sound, and Touch*. Canadian Journal Of Experimental Psychology-Revue Canadienne De Psychologie Experimentale 66:305
- T. Nguyen, **J.A. Grahn** (2012). *Effects of Mood and Arousal in Pre- and Self-Selected Music on Learning and Memory*. Canadian Journal Of Experimental Psychology-Revue Canadienne De Psychologie Experimentale 66:319-320

- S. Schweizer, **J. Grahn**, A. Hampshire, D. Mobbs, T. Dalgleish. *Training the Emotional Brain: Transferable Effects and Neural Substrates of Affective Brain Training*. 23rd Convention of the Association for Psychological Science, Washington, DC, 2011
- T. Nguyen, B. Graham, A. Duarte, **J.A. Grahn**. *Musical mood and arousal affect different stages of learning and memory performance*. Neurosciences and Music IV: Learning and Memory, Edinburgh, Scotland, 2011
- J.A. Grahn** (2011). *Investigation of working memory networks for verbal and rhythmic stimuli*. Society for Neuroscience Abstract Viewer and Itinerary Planner Volume: 41
- 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 (2010) *Rhythm abilities relate to phonological short term memory and beat detection skill*. NeuroImage (#908).
- J.A. Grahn**, M. J. Henry, J.D. McAuley (2009) *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) *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 (2007) *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 (2004) *Beat-based rhythm processing in the brain*. Proceedings of the 8th International Conference on Music Perception & Cognition, pp. 207-208. Evanston, IL.
- J.A. Grahn**, M. Brett (2003) *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** (2002) *Beat-based versus Interval-based Timing: A Matter of Complexity?* Cambridge Music Processing Colloquium, pp.29 -35. Cambridge, UK.

INVITED TALKS

- Wired for sound: Illuminating mechanisms of music on movement 2024
Invited symposium speaker, Neuroscience of Music, Helsinki, Finland
- Music and movement: the role of motor areas in musical rhythm perception. 2024

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| | <i>Mind, Technology, & Society Invited Speaker Series: Cognitive and Information Sciences, UC Merced, United States</i> | |
| In the groove: Neural Investigations of links between timing, rhythm, and movement | <i>Neuroscience and Behaviour Colloquium: Department of Psychology, McMaster University, Canada</i> | 2024 |
| Moving to the groove: musical rhythm and the brain's motor system | <i>Neurohumanities Lab Music Faculty Colloquium: UBC, Vancouver</i> | 2023 |
| Moving and Grooving: The role of motor areas in rhythm and beat perception | <i>Music Faculty Colloquium: UBC, Vancouver</i> | 2023 |
| Feeling the Beat: The role of motor areas in auditory sequence processing | <i>Krembil Neuroimaging Rounds, University Health Network, Toronto</i> | 2023 |
| Rhythm, Movement, and the Brain | <i>Neuroscience Seminar Series, Queens University, Canada</i> | 2022 |
| The role of motor areas in auditory sequence processing | <i>International Conference on the Auditory Cortex, Magdeburg, Germany</i> | 2022 |
| Music, Movement, and the Brain | <i>Future Directions in Neuroscience, Max Planck Symposium, Berlin</i> | 2022 |
| Music and Rhythmicity | <i>LASER Talks, Cambridge, UK</i> | 2022 |
| Music and Movement: Behavioural and brain responses to rhythm | <i>Smart Mobility for the Aging Population, McMaster University</i> | 2022 |
| Music, Movement, and the Brain | <i>Kings University College, London, ON</i> | 2022 |
| Music, Movement, and the Brain | <i>Women in Science Research Conference, Virtual</i> | 2021 |
| Music, Movement, and the Brain | <i>Western Leader's Forum, Western University</i> | 2021 |
| The role of motor brain areas in auditory sequence perception | <i>Auditory Cortex Virtual Symposium</i> | 2021 |
| Dissociating the roles of different motor areas in auditory sequence processing | <i>Symposium for Cognitive Auditory Neuroscience, Virtual</i> | 2021 |
| How music moves us: The neuroscience of rhythm | <i>Carleton University Cognitive Science Graduate Conference, Virtual</i> | 2021 |
| Moving to the beat: Neural mechanisms of rhythm perception | <i>Kings College London (UK) Neuroimaging Seminar, Virtual</i> | 2021 |
| The Translational Use of Rhythm for Gait Training: From the Lab to the Clinic | <i>American Music Therapy Association Conference</i> | 2020 |
| Rhythm and movement: Neural mechanisms of rhythm perception | <i>Psychology Colloquium, Brock University St. Catherines, ON</i> | 2020 |
| Music, movement, and the brain | <i>Max Planck Institute for Empirical Aesthetics, Frankfurt, Germany</i> | 2019 |
| Music and movement: Musical factors that affect gait | <i>American Congress of Rehabilitation Medicine, Chicago, USA</i> | 2019 |
| Rhythm, timing and movement: How the brain reacts to musical rhythm | | 2019 |

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| <i>Keynote, Annual Meeting, Leopoldina Society, Halle, Germany</i> | |
| The role of beat perception in auditory sequence processing | 2018 |
| <i>Organization for Computational Neuroscience, Allen Institute, United States</i> | |
| Oscillatory entrainment increases with social context | 2018 |
| <i>Symposium of Nonlinear Dynamics, McGill University, QC</i> | |
| Striatal role in auditory sequence perception | 2018 |
| <i>Canadian Association for Neuroscience Symposium, Vancouver, BC</i> | |
| Why do we move to music: Rhythm and the Brain | 2018 |
| <i>Department of Biology, Western University, ON</i> | |
| What Makes Musical Rhythm Special: Cross-Species, Developmental, and Social Perspectives | 2018 |
| <i>Cognitive Neuroscience Society Symposium, Boston, USA</i> | |
| The Cognitive Neuroscience of Musical Improvisation and “Feel” | 2018 |
| <i>Association for Psychological Science, San Francisco, USA</i> | |
| Cross-cultural Comparisons of Neural and Motor Entrainment to the Beat | 2017 |
| <i>International Society for Behavioural Neuroscience, Symposium, Las Vegas, USA</i> | |
| Cross-cultural Comparisons of Neural and Motor Entrainment to the Beat | 2017 |
| <i>First Annual Timing Research Forum, Symposium, Strasbourg</i> | |
| Rhythm and the Brain: The role of the motor system in auditory sequence perception | 2017 |
| <i>Neuroscience and Cognitive Science Colloquium, University of Maryland, USA</i> | |
| Moving and Grooving: Rhythm, Movement, and the Brain | 2017 |
| <i>Society for Music Perception and Cognition, San Diego, USA</i> | |
| Movement-Time and Rehabilitation | 2017 |
| <i>Music, Language, and Cognition, Lake Como Summer School, Italy</i> | |
| Music, Movement, and the Brain | 2017 |
| <i>University of Montreal, Canada</i> | |
| Feeling the beat: Rhythm, Movement, and the Brain | 2017 |
| <i>Jyväskylä Centre for Interdisciplinary Brain Research, University of Jyväskylä, Finland</i> | |
| Music & Movement | 2017 |
| <i>Neural Dynamics and Brain Health Conference and Workshop, Baycrest Rotman Research Institute, Toronto, ON</i> | |
| Feeling the beat: Rhythm, Movement, and the Brain | 2017 |
| <i>James C. Carlsen Invited Lecture, School of Music, University of Washington, USA</i> | |
| Music and the Groove: the Connection Between Movement, Music, and the Brain | 2017 |
| <i>Institute for Learning and Brain Sciences, University of Washington, USA</i> | |
| Feeling the beat: Rhythm, Movement, and the Brain | 2016 |
| <i>Department of Physics & Astronomy, Western University, ON</i> | |
| Rhythm and the brain: the role of neural motor areas in rhythm and timing | 2016 |
| <i>Center for Music in the Brain, Aarhus University, Denmark</i> | |
| Music, movement, and the brain | 2016 |
| <i>Workshop on the Musical Brain, University of Amsterdam</i> | |
| Motor system involvement in the perception of time: music, rhythm, and the brain | 2016 |
| <i>Department of Experimental Psychology, Oxford University, UK</i> | |

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| Music, Movement, and the Brain <i>14th Annual Conference on Philosophy of Mind, Language, and Cognitive Science, Western University, ON</i> | 2016 |
| Music and the Groove: the Connection Between Movement, Music, and the Brain <i>Graduate Student Symposium, University of Guelph, Canada</i> | 2016 |
| Rhythmic Auditory Stimulation for Gait Training in Parkinson's Disease <i>Music and Health Colloquium, University of Toronto, Canada</i> | 2016 |
| Music and movement in Parkinson's disease <i>Parkinson Society Southwestern Ontario Conference, ON</i> | 2015 |
| Music and movement in Parkinson's disease <i>Parkinson Society Leaders Meeting, Toronto, ON</i> | 2015 |
| Musical beat perception and computational questions <i>Multi-disciplinary workshop: Joint Action and Perception in Emergent Phenomena Centro Internacional de Ciencias, Cuernavaca, México</i> | 2015 |
| Rhythm perception and the motor system <i>Keynote, Rhythm Perception and Production Workshop, Amsterdam</i> | 2015 |
| Rhythm perception and the motor system <i>LOVE Conference (Lake Ontario Visionary Establishment Conference), Niagara Falls</i> | 2015 |
| Assessing the role of motor areas in rhythm perception using brain stimulation <i>Current Topics in Hearing Science and Audiology series, Western University, ON</i> | 2015 |
| Music and the brain <i>Neuroscience Lecture at St. Lawrence University, NY, USA</i> | 2015 |
| Music and the brain <i>Innovating Medicine Conference, Lisbon, Portugal</i> | 2014 |
| Beat perception ability and gait improvements in Parkinson's disease <i>Neurosciences of Music V: Cognitive Stimulation and Rehabilitation, Montreal</i> | 2014 |
| Feeling the beat: Auditory and motor system involvement in rhythm perception <i>Cognitive Science Colloquium, Northwestern University, Chicago, USA</i> | 2014 |
| Music and the brain <i>Neuroscience and Education Symposium, Western University, ON</i> | 2014 |
| The neuroscience of moving to music <i>NeuroXchange conference, Hamilton, ON</i> | 2014 |
| How non-temporal factors influence entrained movement <i>International Conference on Timing and Time Perception, Corfu, Greece</i> | 2014 |
| Walking to the beat: implications for Parkinson's disease <i>NSERC-CREATE Workshop, Network in Auditory Cognitive Neuroscience, Hearing and Health, McMaster University, ON</i> | 2013 |
| The perception of musical rhythm: Auditory and motor system involvement <i>Keynote, Banff Annual Seminar in Cognitive Science, BC</i> | 2013 |
| Auditory and motor system involvement in rhythm perception <i>Keynote, Canadian Spring Conference on Behaviour and Brain, Fernie, BC</i> | 2013 |
| Why rhythm makes us move: neural investigations of rhythm perception <i>University of Guelph, Department of Psychology, ON</i> | 2013 |

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| Neural investigations of rhythm perception <i>Rhythm Perception and Production Workshop at Centre for Research on Brain, Language, and Music, Montreal, QC</i> | 2012 |
| Rhythm in the brain: how music can affect movement <i>Parkinson's Society Regional Conference, Kitchener, ON</i> | 2012 |
| Rhythm and beat perception in the auditory and visual modalities <i>Centre for Vision Research, York University, ON</i> | 2012 |
| Motor area engagement during perception of rhythm <i>Department of Anatomy and Cell Biology, Western University, ON</i> | 2012 |
| Moving to the beat: rhythm and the brain <i>Faculty of Music, Western University, ON</i> | 2012 |
| Feeling the beat: brain responses to musical rhythm <i>Ontario Association of Medical Radiation Technologists Meeting, ON</i> | 2012 |
| Motor system engagement in rhythm and beat perception <i>Music Cognition Symposium, Eastman School of Music and University of Rochester, USA</i> | 2012 |
| Links between rhythm perception and the motor system <i>Department of Psychology, Michigan State University, USA</i> | 2012 |
| Rhythm perception and the motor system <i>Department of Psychology, Neuroscience & Behaviour, McMaster University, ON</i> | 2012 |
| Feeling the beat: Rhythm perception and the motor system <i>Children's Health Research Institute, London, Ontario, ON</i> | 2012 |
| Can you see it? Beat perception in auditory and visual modalities <i>McMaster Institute for Music and Mind, McMaster University, ON</i> | 2011 |
| Investigating how movement areas in the brain support musical rhythm perception <i>Annual meeting of the Southern Ontario Neuroscience Association, ON</i> | 2011 |
| The role of motor areas in musical rhythm and beat perception <i>Ebbinghaus Empire series, Department of Psychology, University of Toronto, ON</i> | 2011 |
| Research in neuroscience, music, and the brain: Highlights <i>Leaders' Forum, University of Western Ontario, ON</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, UK</i> | 2010 |
| Investigating the neural foundations of rhythm perception using fMRI <i>Developmental Cognitive Neuroscience Unit, UCL, London, UK</i> | 2010 |
| Neural investigations of musical rhythm and beat perception <i>Eminent Speaker Series, Goldsmiths College, University of London, UK</i> | 2010 |
| Disorders of musical cognition <i>Neuropsychiatry, Addenbrooke's Hospital, Cambridge, UK</i> | 2010 |

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

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

PUBLIC ENGAGEMENT

Talks

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| Music and dementia <i>Preconcert discussion, Chor Amica/Alzheimer Society Southwest Partners event</i> | 2024 |
| Science in Society Career Panel <i>Panelist for Dana Foundation</i> | 2023 |
| Music, movement, and the brain <i>Western Undergraduate Neuroscience Society Gala</i> | 2023 |
| Moving and Grooving: Rhythm and motor areas of the brain <i>The Vancouver Institute, BC</i> | 2023 |
| Moving and Grooving to the beat <i>Third Age Learning, Guelph</i> | 2022 |
| Feeling the Beat: The neuroscience of movement and dancing with Parkinson's Disease <i>Society for the Neuroscience of Creativity</i> | 2021 |
| Music and Mind: Exploring the benefits of music <i>Parkinson Society Southwestern Ontario</i> | 2021 |
| Rhythms in the Brain: Why we Move to the Beat <i>The Royal Society of Canada Café Presentation</i> | 2021 |
| Musical emotions and the groove <i>55th International Festival of Science Documentary Films, Czech Republic (postponed due to coronavirus)</i> | 2020 |
| Moving and grooving to the beat: Rhythm and the brain <i>Undergraduate Awards Summit, Dublin, Ireland</i> | 2019 |
| Music and the brain <i>SOLUNA Festival, Dallas Symphony Orchestra, Texas</i> | 2019 |
| Rhythm, moving and the brain: Grooving to the beat | 2019 |

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| <p><i>Keynote, AIMS [medical student organized] Meeting, Lisbon, Portugal</i></p> <p>Moving and grooving: Rhythm and the brain</p> <p><i>Keynote, Neugeneration conference, Queens University, ON</i></p> | 2019 |
| <p>Music and the brain</p> <p><i>Western Talks Science, Western University, ON</i></p> | 2018 |
| <p>Music and Parkinson's: Movement and Mood</p> <p><i>Parkinson Society Southwestern Ontario (Sarnia and London Events)</i></p> | 2018 |
| <p>Music and the Brain</p> <p><i>Learning Unlimited (Oxford) in Woodstock, ON</i></p> | 2017 |
| <p>Music and Movement</p> <p><i>Brain Health Fair, London, ON</i></p> | 2016 |
| <p>Why does music make us move? Rhythm and the brain</p> <p><i>BrainCanDo: Music and the Brain, BAFTA, London, UK</i></p> | 2016 |
| <p>Music, movement and the brain</p> <p><i>Inspiring Young Women in STEM Conference, Western University</i></p> | 2016 |
| <p>What do leaders look like? Combating myths, bias, and anxiety in the path to success</p> <p><i>Scholars to Leaders Series, Western University</i></p> | 2016 |
| <p>Rhythm and the Brain: Why Music Makes us Move</p> <p><i>Third Age Learning, Guelph, ON</i></p> | 2015 |
| <p>Rhythm and the Brain: Why Music Makes us Move</p> <p><i>Women's Canadian Club, London, ON</i></p> | 2015 |
| <p>Music, Movement, and the Brain</p> <p><i>Dallas Symphony Soluna Music Festival, Music and Brain Symposium, Dallas, TX</i></p> | 2015 |
| <p>Alive Inside Screening and Education Event</p> <p><i>Panelist for Ontario Association of Non-profit Homes and Services for Seniors, Toronto</i></p> | 2015 |
| <p>Music as Personalized Medicine: Experiment at SXSW</p> <p><i>Invited speaker at SXSW, Austin, TX</i></p> | 2015 |
| <p>Alive Inside Screening</p> <p><i>Panelist for Alzheimer Society London & Middlesex</i></p> | 2015 |
| <p>Music and the Brain</p> <p><i>A.B. Lucas Secondary School, London, ON</i></p> | 2014 |
| <p>Music and the Mind</p> <p><i>Lecture for 'Words for Wisdom', SOS, Western University</i></p> | 2014 |
| <p>Music and the Brain</p> <p><i>Neuroscience Lecture, St. Lawrence University, NY</i></p> | 2014 |
| <p>Impostor Syndrome</p> <p><i>Keynote, Women in Science, Western University</i></p> | 2014 |
| <p>Mozart and Musical Memory</p> <p><i>The Musical Brain: Mozart and the Power of Music (Memory, Myth & Magic), London, UK</i></p> | 2014 |
| <p>Music on the Brain: Why Music Moves Us</p> <p><i>Public Lecture, London Library, Ontario</i></p> | 2014 |
| <p>How Music Affects Brain and Behaviour</p> | 2014 |

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| <i>Alzheimer Society of Simcoe County Symposium, Barrie, ON</i> | |
| Music and the Brain | 2014 |
| <i>Georgian Triangle Lifelong Learning Institute, Collingwood, Ontario</i> | |
| Music and the Brain: Why do we move to music? | 2014 |
| <i>Science in Society Speaker Series, Okanagan Science Centre, BC</i> | |
| Move to the Rhythm | 2013 |
| <i>TEDxWaterloo (>130,000 views on YouTube)</i> | |
| Music and Intelligence | 2013 |
| <i>TEDxWestern (>160,000 views on YouTube, TED Editor's pick)</i> | |
| Music and movement (April 8 and June 4) | 2013 |
| <i>Kiwanis Club lecture, London, Ontario</i> | |
| Music and the Brain | 2012 |
| <i>Harry Somers Lecture, Stratford Summer Music Festival</i> | |
| In the groove: the connection between music, movement, and the brain | 2012 |
| <i>Student Open Day, UWO</i> | |
| The science of being human: Nature and Nurture | 2012 |
| <i>Public lecture, London Library, Ontario</i> | |
| The neuroscience of music: How rhythm moves us | 2011 |
| <i>Public lecture, Eton College, UK</i> | |
| My Musical Brain | 2011 |
| <i>Newcastle Science Festival, UK</i> | |
| Music, movement, and the Brain | 2010 |
| <i>Manchester Science Festival, UK</i> | |
| Current findings in music neuroscience | 2010 |
| <i>The Musical Brain: Arts, Science, & the Mind (Wellcome Trust). *Highlighted in Nature</i> | |
| Hit me with your rhythm schtick: The connection between music, movement, and the brain | 2010 |
| <i>British Science Festival Charles Darwin Award Lecture</i> | |
| Great music and why we love it | 2009 |
| <i>Keynote/rehearsal discussion The Nash Ensemble and the Musical Brain (Wellcome Trust)</i> | |
| Does music make you smarter? | 2009 |
| <i>Science Week, Cambridge, UK</i> | |
| In the groove: Rhythm processing in the brain | 2006 |
| <i>Science Week, Cambridge, UK</i> | |
| Interviews | |
| CBC Radio 1, Interview on Music and Alzheimer's Disease | 2024 |
| CBC, Interview on Music and Alzheimer's Disease | 2024 |
| CTVNews, Interview on Music and Alzheimer's Disease | 2024 |
| Science Museum, UK, Interview on recreating songs from recorded brain activity | 2023 |
| CBC, Interview on recreating audio from brain activity | 2023 |
| CBC Radio Calgary, Interview on music and marketing | 2022 |

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| CBC Radio 1, <i>Afternoon Drive</i> , Interview on research into Parkinson’s and music training | 2022 |
| CBC, Interview on Olympic athletes and their music | 2022 |
| CTVNews, Bell Let’s Talk Day, Interview about music and mental health | 2022 |
| ESPN interview | 2022 |
| CBC Radio 1 <i>Fresh Air</i> , Interview on music and movement | 2021 |
| Kelly Cutrara Show, GlobalNews Toronto, Interview on playing an instrument and the brain | 2021 |
| London Free Press, Interview on music research | 2021 |
| GlobalNews 640 Toronto, Interview on Memory and Christmas music | 2021 |
| The Comeback podcast: A Brain Out of Tune TOKiMONSTA, Narrated by Sylvester Stallone [Webby nominated] | 2021 |
| Men’s Health: Your Brain on Drums, Interview | 2021 |
| Panellist, Music and Movement – NIH Sound Health Network Webinar | 2021 |
| ON Running Magazine (Switzerland) Interview on the evolution of dance | 2021 |
| Why is learning stuff harder as you get older? - CrowdScience, BBC Radio | 2021 |
| Can we hold still when we hear music? Scott Radley Radio Show, Global News Radio CHML | 2020 |
| Music and movement – CBC Radio <i>IDEAS</i> | 2020 |
| K-Pop points to the future of live music with immersive online concerts – Teen Vogue | 2020 |
| Neuroscience reveals how rhythm helps us walk, talk – and even love – CBC.ca | 2020 |
| Good Vibes – Twenty Thousand Hertz Podcast | 2020 |
| Frozen 2’s standout song likely won’t be the earworm hit that ‘Let It Go’ was. Science helps to explain why – The Globe and Mail | 2019 |
| How music affects your brain – Newstalk Radio, Dublin | 2019 |
| How the right noise can help you focus and be more creative – The Globe and Mail | 2019 |
| Can the Wavpaths app really send you on a psychedelic trip? – British GQ Magazine | 2019 |
| Starbucks' music is driving employees nuts. A workers' rights issue- CBC Radio | 2019 |
| How the brain responds to music – BBC Radio 4, UK | 2018 |
| Music Might Help Neil Diamond Fight His Parkinson’s Disease – Daily Beast | 2018 |
| How a song brings out your beast- 3 songs to listen to during your next workout- Men’s Health | 2018 |
| Syncopation Syncopation Syncopation - BBC Radio 3, UK | 2018 |
| These are the songs playing in your hospital’s operating room- doctor’s orders - Toronto Star | 2017 |
| Recharge: Make Time for Playing an Instrument- Family Circle Magazine | 2017 |
| The song “Despacito” and the brain – Planeta Gente NTN24 | 2017 |
| Groove, Brain, and “Despacito” – NTN24 International News Channel | 2017 |
| Why do we like “Despacito” so much? – W Radio Colombia | 2017 |
| What the song “Despacito” does to your brain – BBC Mundo | 2017 |
| Feeling the Beat, The Clocks in Your Mind – Cadence Podcast | 2017 |
| Feel the Beat – EMBO Reports | 2017 |
| How music transformed a man with Parkinson's – CTV News | 2017 |
| Music’s Ability to Alleviate Stress - KPCC Airtalk Radio | 2017 |

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| Music as Medicine Part 2 – CTV News | 2016 |
| Express yourself: how music plays with our emotions – the Guardian | 2016 |
| Can Music Make You Hungry? – Completely Optional Knowledge podcast | 2016 |
| Music on the Brain – Catalyst, ABC Television, Australia | 2016 |
| CBC Radio on musical learning | 2015 |
| Why does music give us chills? – the Guardian | 2015 |
| Why listening to music can make you as fit as a fiddle: It can help your body fight infection and recover after ops – Interview with Daily Mail UK | 2015 |
| Can music be used as medicine? – the Atlantic Magazine | 2015 |
| CBC Radio Interview | 2015 |
| Electronic Dance Music, documentary interview for bpm:tv | 2015 |
| How the brain responds to music - Interview for US Women's Health magazine | 2014 |
| Learning to play an instrument as an adult vs a child – Huffington Post | 2014 |
| How Music Affects the Brain – University Affairs Article | 2014 |
| Musical Training and Brain Structure – Voice of Russia Radio Show | 2013 |
| Music and Exercise – Scott Radly Radio Show, Hamilton | 2013 |
| Mozart Effect – Voice of Russia Radio Show | 2013 |
| Let's Get Physical: The Psychology of Effective Workout Music – Scientific American | 2013 |
| Partners in Research National Awards, Interview played at awards ceremony | 2013 |
| Pleasant and unpleasant sounds – CJXX Radio: 1 | 2013 |
| Dara O’Brian’s Science Club – BBC2 TV (Interview and MRI scan of presenter) | 2012 |
| Jay Ingram: From the Inside Out– Discovery Channel, (Interview and MRI scan of presenter) | 2012 |
| Drumming and cognition – CJXX Radio 1 | 2012 |
| Interviews about Grammy Foundation Grant – Metro News London, London Free Press | 2012 |
| Q Show with Jian Ghomeshi – Interview, CBC Radio | 2012 |
| Metamorphosis series – Interview by Richard Syrett CBC Radio | 2012 |
| Links between music, movement, and the brain– Radio interviews on CBC, CJXX, CJBK, AM980 | 2012 |
| Music therapy – CJXX Radio: 2 | 2011 |
| Music neuroscience - CJXX Radio 2 | 2011 |
| Enigmas of Music and the Brain – C5N Television, Argentina | 2011 |
| The myth of the Mozart effect – BBC Radio 4 | 2011 |
| Music and the Brain – BBC West Midlands, UK | 2010 |
| Reflections on Being a Scientist – Film Documentary | 2010 |
| Music and the Brain – 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 |
| Professor Regan's...Nursery – BBC2 TV (Interview and MRI scan of presenter) | 2009 |
| The Musical Brain – Woman’s Hour, BBC Radio 4 | 2009 |
| Move to the Music – Monitor on Psychology, American Psychological Association | 2009 |

Demonstrations and interactive events

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| Science Rendezvous – Lab demonstrations | 2024 |
| Discovery Day 2024 Research Demonstrations, Canadian Medical Hall of Fame | 2024 |
| Science Rendezvous – Lab demonstrations | 2023 |
| Discovery Day 2023 Research Demonstrations, Canadian Medical Hall of Fame | 2023 |
| Science Rendezvous – Lab demonstrations | 2022 |
| Discovery Day 2021 (Virtual Booth) | 2021 |
| Canadian Medical Hall of Fame - Learning online initiative (Video) | 2020 |
| Brain and Mind Institute Open House | 2019 |
| Psychology Research Lab Fair | 2019 |
| Discovery Day Research Demonstrations, Canadian Medical Hall of Fame | 2019 |
| Brain and Mind Institute Open House | 2018 |
| Discovery Day Research Demonstrations, Canadian Medical Hall of Fame | 2018 |
| 11 th Annual London Brain Bee | 2018 |
| SHAD (Canadian high school enrichment program) Research Demonstrations | 2017 |
| Discovery Day Research Demonstrations, Canadian Medical Hall of Fame | 2017 |
| 10 th Annual London Brain Bee | 2017 |
| Banting High School Brain & Mind Institute tour | 2016 |
| Mensa Brain & Mind Institute Tour | 2016 |
| 9 th Annual London Brain Bee | 2016 |
| Royal Canadian for Science Gala Dinner | 2016 |
| Michael J Fox Clinical Research Fair, Toronto, ON | 2015 |
| Discovery Day Research Demonstration, Canadian Medical Hall of Fame | 2015 |
| Brain Fair, London, ON | 2015 |
| Discovery Day Research Demonstration, Canadian Medical Hall of Fame | 2014 |
| BMI day, lab presentation and demo for Thames Valley District School Board's Gifted Program | 2013 |
| Discovery Day Research Demonstration, Canadian Medical Hall of Fame | 2013 |
| BMI day, lab presentation and demo for Thames Valley District School Board's Gifted Program | 2012 |
| Science pub night, sponsored by Rotman Institute of Philosophy, lecture and discussion | 2012 |
| 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 |
| 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 |
| 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 |
| Testing memory for regular and irregular rhythms, Science Week, Cambridge. Interactive experiment | 2004 |

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| 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 |
| Other | |
| Rhythmic Auditory Stimulation Therapy <i>Article for The Parkinson's Update (Parkinson Society Southwestern Ontario)</i> | 2015 |
| Learning by heart <i>Article for Official BBC Proms Guide</i> | 2015 |
| Member, Virtual Researchers On Call, Experts on Demand | 2013 |

SERVICE

Editorial Boards

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|--------------------------------------------------------------------------------------------|-------------|
| Associate Editor, Music & Science | 2022 - pres |
| Subject Editor, FACETS (Royal Society of Canada) | 2022 - pres |
| Associate Editor, Psychomusicology: Music, Mind, and Brain | 2018 - pres |
| Associate Editor, Music Perception | 2017 - pres |
| Associate Editor, PLoS ONE (Received Long Service Award in 2023) | 2015 - pres |
| Section Editor, Neuroscience, Oxford Handbook of Music Psychology, 2 nd Edition | 2015 |
| Consulting Editor, Timing and Time Perception | 2012 - pres |
| Review Editor, Frontiers in Auditory Cognitive Neuroscience | 2012 - pres |

Ad Hoc Journal Reviewer

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

Funding Agency Panels

Canadian Institutes for Health Research (CIHR):
 BS2, Standing Member, Project Grant competitions (2022-2025)
 NSA, Member, Project Grant competition (2018)
 Department of Defence (DOD) Centre for Deployment Psychology: Chair, Program Grant competition (2024)
 National Science Foundation (NSF): Understanding Neural and Cognitive Systems (2016)

National Institute for Neurological Disorder and Stroke (NIH/NINDS), Study Section:
Music and Health (2019-2023)

National Science Foundation (NSF): Understanding Neural and Cognitive Systems (2016)

Funding Agency Reviewer

Social Sciences and Humanities Research Council (SSHRC); Natural Sciences and Engineering Research Council (NSERC); Canada Research Chairs program; Canadian Foundation for Innovation (CFI); MITACS; Medical Research Council, UK; Royal Society, UK; Austrian Science Fund; French National Research Agency; Parkinson's UK; Danish Council for Independent Research; Einstein Foundation, Germany; Research Council of Norway; Stroke Association, UK; Research Foundation – Flanders

Executive Boards

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|---------------------------------------------------------------------|-----------|
| Past-President, Society for Music Perception and Cognition (SMPC) | 2023 |
| President, Society for Music Perception and Cognition (SMPC) | 2021-2022 |
| President-Elect, Society for Music Perception and Cognition (SMPC) | 2020 |
| Secretary, Society for Music Perception and Cognition (SMPC) | 2016-2018 |
| Member-at-Large, International Society for Behavioural Neuroscience | 2010-2012 |

International Meeting Organization

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|------------------------------------------------------------------------------------------------------------------|-------------|
| Member, Review Committee, Future Directions in Music Cognition | 2020 |
| Co-Organizer, 17 th Rhythm Production and Perception Workshop (RPPW) Traverse City, Michigan | 2019 |
| Member, Program Committee, Society for Music Perception and Cognition conference | 2017 |
| Organizer (and founder), Symposium on Timing and Rhythm, London, Canada | 2015, 2018 |
| Chair, Program Committee: Society for Music Perception and Cognition, Nashville, Tennessee | 2015 |
| Scientific Advisory Committee: International Conference on Music Perception and Cognition, San Francisco | 2015 |
| Member, Program Committee, 2nd Conference of the Australian Music and Psychology Society (AMPS) | 2015 |
| Member, Review Committee, European Society for the Cognitive Sciences of Music | 2015 |
| Scientific Advisory Committee: International Conference on Music Perception and Cognition, Seoul, South Korea | 2014 |
| Co-Chair, Scientific Advisory Committee: International Association for Music and Medicine, Toronto, Canada | 2014 |
| Co-organizer, Lake Ontario Visionary Establishment Annual Conference | 2012 - 2014 |

Committees (Member/Chair)

Western University

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| Promotion, Tenure, and Continuing Studies Committee, Psychology Dept | 2023 - 2026 |
| Social Science Representative on Music Faculty Council | 2022- |

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| Brain and Mind at Western (former BMI) Steering Committee, Acting Chair | 2022 - |
| Undergraduate Affairs Committee, Psychology Dept | 2022 – 2024 |
| Chair Search Committee, Psychology Dept | 2021 – 2022 |
| Basic Medical Sciences Undergraduate Education Program Committee | 2021 - |
| Medical/Biological Educational Policy Committee | 2021- |
| Chair, Undergraduate Neuroscience Program Committee | 2021 - |
| Annual Performance Evaluation Committee, Psychology Dept | 2021 |
| Steering/Advisory Committee, Neuroscience Graduate Program | 2021, 2024 |
| BMI Transition Committee | 2021 - 2022 |
| Graduate Affairs Committee, Psychology Dept | 2020 - 2022 |
| Graduate Selection Committee, Psychology Dept | 2020 - 2022 |
| Annual Performance Evaluation Committee, Psychology Dept | 2020 |
| Brain and Mind Institute Steering Committee | 2013 - 2021 |
| Program Committee, Neuroscience Graduate Program | 2015 - 2021 |
| Chair, Cognitive, Developmental, and Brain Sciences Area, Psychology Dept | 2017 - 2018 |
| Graduate Affairs committee, Psychology Dept | 2016 - 2018 |
| Appointments committee (7 searches), Psychology Dept | 2017 - 2018 |
| Graduate Neuroscience Steering/Advisory Committee | 2016 - 2017 |
| Performance Studies P&T Committee at Don Wright Faculty of Music | 2015 |
| Social Committee, Psychology Dept | 2014 - 2016 |
| Annual Performance and Evaluation Committee, Psychology Dept | 2012, 14 |
| Rotman Institute of Philosophy/Brain & Mind external speaker committee | 2012 - 2015 |
| Workplace and Resource Planning committee, Psychology Dept | 2011 - 2013 |
| Graduate Selection Committee, Psychology Dept | 2011 - 2012 |
| Faculty of Education council, out-of-faculty representative | 2011 - 2013 |
| BrainSCAN CFREF Initiative | |
| Member, Equity and Diversity Committee | 2023 - pres |
| Director, The Human Cognition and Sensorimotor Core | 2019 - pres |
| Member, The Human Cognition and Sensorimotor Core Committee | 2017 - 2019 |
| Co-Chair, Highly Qualified Personnel committee | 2019 - 2023 |
| Member, Open Science Working Group | 2021 - 2024 |
| Member, Research Advisory Committee | 2017 - 2023 |
| Member, Highly Qualified Personnel committee | 2017 - 2019 |
| Accelerator Award Grant Review committee | 2017 |
| Other UWO Service | |
| National Scholarship Selection Committee | 2022, 23, 24 |
| Fall preview and March Break open houses: Neuroscience program | 2021 - pres |
| March Break Open House presentation: <i>Moving to the groove: How are brains respond to the beat.</i> | 2016 |
| Teaching Support Centre talk on Graduate Writing | 2015 |
| Neuroscience programme promotional video interview | 2014 |

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| Ontario Graduate Scholarship Psychology Panel | 2012 |
| Teaching Support Centre panellist for Research Support: Beyond the Three Councils | 2012 |
| 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 |
| <i>MRC Cognition and Brain Sciences Unit, UK</i> | |
| 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 |
| <i>University of Cambridge, UK</i> | |
| Gates Cambridge scholarship, Biological Sciences Interview panel | 2008 - 2010 |
| <i>Clare Hall, University of Cambridge</i> | |
| 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 |
| Other: | |
| Panel Member, Donders Institute PhD Project Evaluation Committee | 2019 |
| Panellist: Trainee career panel Q&A, Society for Music Perception and Cognition Conference, Toronto | 2013 |
| Session Chair, Society for Music Perception and Cognition Conference, Toronto | 2013 |
| 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 |
| Mentoring and EDI | |
| Panel member, Society for Music Perception conference, discussion on bias in music cognition research | 2024 |
| Faculty Mentor, ac[CREDIT]ed Mentorship Program, Council on Reforming Equity, Diversity, and Inclusion for Trainees (CREDIT) | 2023 - pres |

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| Panel Member, Interdisciplinary Network of Students in Music Roundtable | 2021 |
| Women In Science Research Conference: Panel and Networking discussion | 2021 |
| Career Panel Discussion, Western Undergraduate Neuroscience Society | 2021 |
| Career Panel Discussion, Western Undergraduate Neuroscience Society & Charity Chords | 2021 |
| Equity in Academia: co-led a summer reading group at Western, attended by all career stages | 2018 |
| Social Science Faculty Mentoring Program: pre-tenure Faculty Mentor | 2019-21 |
| Western Women in Neuroscience, Faculty Mentor | 2012 - pres |
| Graduate Writing Conference, Panel Member | 2015-17, 19 |
| Mentoring Female Graduate Students: <i>Presentation and panellist</i> | 2017 |
| Graduate Writing Conference talk: <i>Just do it: how to write in grad school</i> | 2016, 2018 |
| Scholars to Leaders Series Presentation: <i>What do leaders look like? Combating myths, bias, and anxiety in the path to success</i> | 2016 |
| Faculty mentor, Open University, UK (mentor for new lecturers) | 2007 - 2010 |

TRAINEE SUPERVISION

Current trainees

Postdoc: Karli Nave

Postdoc (co-supervised): Ana Luisa Pinho

PhD: Josh Hoddinott, Kristi Van Handorf, Riya Sidhu, Marina de Oliveira Emerick, Ramkumar Jagadeesan

PhD (co-supervised): Rebekka Lagacé-Cusiac, Sarah Schwanz, Zhaleh Mohammad Alipour

MSc: Caitlin Fitzpatrick

MSc (co-supervised): Kelsey Lee (PhD/MScOT), Adam Cotton (Hearing Sciences), Sarah Park (PhD/MScOT)

BA/BS honours thesis:

Independent Study: Matthew Leung, Alexandra Elmslie (Scholar's Electives)

Past trainees

Postdocs [13]

| | |
|--------------------------------------------------------|---------|
| Elizabeth Kinghorn (co-supervised) | 2022-23 |
| Thibault Chabin | 2022-23 |
| Swathi Swaminathan (co-supervised) | 2020-22 |
| Christina vanden Bosch der Nederlanden (co-supervised) | 2016-21 |
| Emily Ready | 2019-21 |
| Nathan Oesch | 2018-20 |
| Daniel Cameron | 2018-19 |
| Molly Henry | 2015-18 |
| Lucy McGarry (co-supervised) | 2015-18 |
| Eric Taylor | 2016-18 |
| Li-Ann Leow | 2012-14 |
| Sebastian Stober (co-supervised) | 2013-15 |

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| Cristina Nombela Otero (co-supervised) | 2009-10 |
| PhD students [9] | |
| Abdullah Al-Jaja (co-supervised) | 2016-22 |
| Avital Sternin (co-supervised) | 2016-21 |
| Elizabeth Kinghorn (co-supervised) | 2016-21 |
| Aaron Gibbings | 2014-19 |
| Emily Ready (co-supervised) | 2013-19 |
| Demian Kogutek (co-supervised) | 2013-18 |
| Tram Nguyen | 2013-17 |
| Daniel Cameron | 2012-16 |
| Fleur Bouwer (co-supervised, University of Amsterdam) | 2012-16 |
| MSc/MA students [14] | |
| Ramkumar Jagadeesan | 2021-23 |
| Marina de Oliveira Emerick | 2020-22 |
| Sarah Klapman (co-supervised) | 2019-21 |
| Rebekka Lagacé-Cusiac (co-supervised) | 2019-21 |
| Justin Hopper (co-supervised) | 2018-21 |
| Syed Raza | 2018-21 |
| Brendon Samuels (co-supervised) | 2016-18 |
| Joshua Hoddinott | 2016-18 |
| Abdullah Al-jaja (co-supervised) | 2016-17 |
| Brittany Roberts | 2015-17 |
| Avital Sternin (co-supervised) | 2014-16 |
| Aaron Gibbings | 2012-14 |
| Tram Nguyen | 2011-13 |
| Taylor Parrott | 2011-13 |
| MSc (thesis only) students [2] | |
| Meike Molenveld (Maastricht University, co-supervised) | 2009 |
| Dirk Schuit (Maastricht University, co-supervised) | 2009 |
| BS/BA honours students [50] | |
| Sophia Espinoza, Isha Agarwal, Eastyn Klages, Joshua Williams, Velda Koranteng-Ado, Kyle Ing, Abigail Hunt | 2023-24 |
| Sophia Klassen, Ethan McNaughton, Ivan Quan, Alistair Cranmer, Simon Hawke, Katsiaryna (Kat) Buchko, River Hua | 2022-23 |
| Laura Du, Victoria Ferreira, Jaehyin Hwang, Kelsey Lee, Crystal Lee, Sarah Sequeira, Carmen Wong | 2021-22 |
| Milina Capoccitti, Jai Ravipati, Maya Da Silva, Prisca Hsu, Alex Lee | 2020-21 |
| Fei (Duffy) Du, Melissa Ong, Michael Wang | 2019-20 |
| Xin (Cynthia) Qi | 2018-19 |
| Kwesi Asantey, Neeraja Dharan, Megan Fung, Maya Gantar, Ben Shapiro, Drew Stapley | 2017-18 |
| Justine Czajka, Jamal Howlader, Garrett Myles, Stephanie Reesor, Sarah Schwanz, Johannes Teselink | 2016-17 |
| Jana Celina Everling, Sean Gilmore, David Prete, Daphne Hui | 2015-16 |

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| Felicia Zhang, Frank Tran, Victor Wu, Jerome Iruthayarajah | 2014-15 |
| Angela Marca, Kristina Wacławik, Sarah Watson | 2013-14 |
| Katelyn Barnes, Sonam Maghera, Steve Shaw, Karen Stoskopf | 2012-13 |
| Heather Khey Beldman, Anita Paas, Rebecca Woelfle | 2011-12 |
| Tram Nguyen, Paul Armstrong, Ashley Ann Perl | 2010-11 |
| Andrew Robertson (Faculty of Music, University of Cambridge) | 2008-09 |

Independent study students [7]

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|-------------------------------------------------------------|---------|
| BS: Matthew Leung, Alexandra Elmslie (Scholar’s Electives) | 2023-24 |
| BS: Diana Urian, Joshua Williams, Matthew Leung | 2022-23 |
| BS: Simon Hawke | 2022 |
| BS: Amandi Perera-Wanniwidulige (Scholars Elective Student) | 2018-19 |
| BS: Renee-Marie Raguett, Shaily Brahmbhatt | 2018-19 |
| BS: David Prete, Cricia Rinchon | 2014-15 |
| MMus: Elizabeth Kinghorn (co-supervised) | 2012-14 |

Visiting trainees

PhD/DM placement project students [4]

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|---------------------------------------------------|---------|
| Anne-Kathrin Brehl (Donders Institute, PhD) | 2019 |
| Fleur Bouwer (University of Amsterdam, PhD) | 2014 |
| Christine Carter (Manhattan School of Music, DM) | 2011-13 |
| Molly Henry (Bowling Green State University, PhD) | 2008 |

BA/BS placement project students [9]

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|------------------------------------------------------------|------|
| Penelope Corbett (USA) MITACS Scholarship | 2023 |
| Drishti Goel (India) MITACS Scholarship | 2022 |
| Levi Satter (NY) MITACS Scholarship | 2021 |
| Reem Hjoj (Germany) MITAC Scholarship | |
| Marina Oliveira de Emerick (Brazil) MITACS Scholarship | 2019 |
| Anne-Maude Patouillard (Université Grenoble Alpes, France) | 2017 |
| Anjali Kumar (Smith College) | 2016 |
| Lauren Edwards (Santa Clara College) | 2015 |
| Sarah Winokur (Smith College) | 2013 |
| Hannah Partridge (University of Cambridge) | 2011 |
| Alice Kay, Sarah Griffiths (University College London) | 2010 |
| Megan Masters (Cardiff University) | 2009 |

Sabbatical Visitors [1]

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|----------------------------------------------------------|------|
| Laura Stambaugh (Georgia Southern University) Sabbatical | 2018 |
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High school placement projects [3]

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| Adrianna Klid (St. Mildred’s-Lightbourn School, Oakville, ON) | 2017 |
| Sanjana Sanghani (St. Francis High School, CA, USA) | 2016 |
| Maryyum Mehmood, awarded Nuffield Bursary and British Science Association CREST award (Perse School for Girls, Cambridge) | 2008 |

PROFESSIONAL SOCIETIES

Society for Neuroscience, Cognitive Neuroscience Society, Association for Psychological Science, Canadian Association for Neuroscience, American Psychological Association, Organization for Human Brain Mapping, Society for Music Perception and Cognition, Association for Psychological Science, Sigma Alpha Iota, International Society for Behavioral Neuroscience, Southern Ontario Neuroscience Association, Psychonomic Society