Jessica A. Grahn

Brain and Mind at Western
Department of Psychology
Western Interdisciplinary Research Building
University of Western Ontario
London, Ontario, CANADA

jgrahn@uwo.ca
+1 519-661-2111
www.jessicagrahn.com
Nationality: USA, UK

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 — 2024

NSERC Prize: EWR Steacie Memorial Fellowship $250,000 + protected research time — 2021 - 2023

Royal Society of Canada, Member of the 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
Understanding Human Cognition Scholar Award, James S. McDonnell Foundation *Moving to the beat: The relationship between rhythm perception and movement* **$600,000 USD**	2015 - 2021
New Investigator Award, Canadian Institute of Health Research: *Investigating the Effects of Sound on Movement* **$300,000**	2015 - 2020
Early Researcher Award, Ministry of Research and Innovation, *Brain Mechanisms of Musical Rhythm Processing* **$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

National Institutes of Health [co-PI with Peelle, Loui] *Reward System for Sensorimotor Coupling in Healthy Neurocognitive Aging* proposed 9/1/2024 – 8/31/2027 $**150,000 USD (50,000 USD to me)**	pending
NSERC-CREATE Grant [Co-PI], *SKILLearn: NSERC CREATE in Auditory-Motor Skill Learning and Brain Plasticity*, **$1,650,000** proposed 9/1/2024 – 8/31/2031	pending
BrainsCAN Registered Reports Funding Program **$66,721**	2021
NSERC-RTI [Co-Applicant], *EEG equipment for studies of sleep and cognition,* **$149,920**	2020
BrainsCAN Accelerator [Co-PI with Henry, Butler, Joanisse, Everling], *Validating methods for using noninvasive brain stimulation to influence auditory perception,* **$91,980**	2019 - 2020
McGill-Western Collaboration Grant [Co-PI with Zatorre], *OMMABA: The Open Multimodal Music and Auditory Brain Archive*, **$375,171**	2018 - 2021
CPSR Catalyst Grant [Co-Investigator with Principal Applicant Patterson], *Feasibility of rhythm perception and production training in people with stroke,* **$49,987**	2017 - 2018
NSERC-CREATE Grant [Co-PI], *Complex Dynamics in Brain and Behaviour*, **$1,650,000**	2017 - 2023
NSERC Discovery Grant & Accelerator Supplement [PI], *Mechanisms of Rhythm Perception,* **$375,000 + $102K extension**	2016 - 2023
SSHRC Insight Development Grant [Co-Applicant], *Optimizing Music Learning: The Effects of Contextual Interference*, **$74,296**	2016 - 2019

LIVELab seed grant [Co-Investigator with Co-Principal Investigators Cameron and Henry] *The role of social context in intersubject synchronization between audience members during musical performances* **$11,400** 2015

CIHR-Collaborative Health Research Project Grant [Co-Principal Applicant with Patterson, Chen, Depaul] *The relationship of temporal gait asymmetry and rhythm perception and production* **$450,200** 2015 - 2018

Operating Grant Priority Announcement, Canadian Institutes of Health Research and Parkinson Society Canada [PI], *Investigating Sound and Movement* **$100,000** 2014 - 2016

Parkinson Society Pilot Grant, *Individual differences in response to auditory cues in Parkinson's disease* **$44,987** 2014 - 2015

NSERC Research Tools and Instruments Grant [Co-Investigator with Owen, Fogel, Cusack, Morton, & McRae], *Simultaneous and synchronized electroencephalography (EEG) and functional magnetic resonance imaging (fMRI) during sleep in normal and brain injured populations* **$145,503** 2014 - 2015

Western Strategic Support for CIHR Success, *Individual differences in response to auditory cues in Parkinson's disease* **$22,500** 2013 - 2014

GRAMMY Foundation Research Grant[PI], *Brain Responses to Music in Human and Nonhuman Animals* **$19,500 USD** 2012 - 2014

J.P. Bickell Foundation Medical Research Program[PI], *Optimizing effects of music on movement in Parkinson's disease* **$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], *Individual Differences and Auditory-Motor Interactions in Rhythm Perception,* **$120,000** 2011 - 2016

R.K. MacDonald Fund for Parkinson's Research, *Research into Parkinson's Disease* **$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

Research Fellowship Clare Hall, University of Cambridge 2007 - 2010

Betty Behrens Stipendiary Research Fellowship 2004 - 2007
Clare Hall, University of Cambridge
(full salary and research/equipment/travel award)

Gates Cambridge Scholarship (awarded to ~1% of applicants) 2001 - 2004

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

Predoctoral Fellowship, U of Illinois, Urbana-Champaign (Full support) 1999 - 2000

Laura Winkelman Merit Scholarship (Part tuition support) 1997 - 1999

National Merit Scholar	1995 - 1999

TEACHING EXPERIENCE

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
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 (76 papers, h-index: 37, 10,000 citations) *=trainee

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* https://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*.

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. https://doi.org/10.1177/20592043231200553

N. Jacoby, R. Polak, **J.A. Grahn**, D.J. 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, M. A. Rohit, S. Alladi, B. Tarr, M.J. McPherson, S. Dolan, A. Durango, & J. H. McDermott. Universality and cross-cultural variation in mental representations of music revealed by global comparison of rhythm priors (2023) *Nature Human Behaviour.*

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. Joanisse, 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

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. Joanisse, **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. Joanisse, **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). *PLoSONE, 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). *PLoSONE, 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. 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.

J.A. Grahn. Neuroscientific investigations of musical rhythm: Recent advances and future challenges (2009). *Contemporary Music Review 28*(3), 251-277.

R.P. Carlyon, J.M. Deeks, Y. Shtyrov, **J.A. Grahn**, H.E. Gockel, O. Hauk, F. Pulvermuller. Changes in the perceived duration of a narrowband sound induced by a preceding stimulus (2009). *Journal of Experimental Psychology: Human Perception & Performance*, *35*(6), 1898-1912.

J.A. Grahn, J. Parkinson, A.M. Owen. The cognitive functions of the caudate nucleus (2008). *Progress in Neurobiology*, *86*(3), 141-155.

J.A. Grahn, M. Brett. Rhythm perception in motor areas of the brain (2007). *Journal of Cognitive Neuroscience*, *19*(5), 1-14.

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

Submitted

T. Nguyen*, R. Lagacé-Cusiac*, J.C. Everling*, M.J. Henry*, **J.A. Grahn.** Audiovisual Integration of Rhythm in Musicians and Dancers (under revision, *Attention, Perception, & Psychophysics*)

M.J. Henry*, D.J. Cameron*, D. Swarbrick, D. Bosnyak, L.J. Trainor, **J.A. Grahn.** Live music encourages formation of dense social neural networks across audience members (under revision, *Nature Communications*)

M.J. Henry*, **J.A. Grahn.** Complex neural dynamical states underlie psychophysical performance during beat perception (submitted, *Journal of Neuroscience)*

D.J. Cameron*, **J.A. Grahn.** Cross-cultural differences in neural entrainment to a musical beat (under revision, *Journal of Cognitive Neuroscience*)

A. Paas*, **J.A. Grahn**. The influence of tonality on rhythm perception (under revision, *Music Perception*).

Commentaries, Editorials, and Book reviews

J.A. Grahn, A-K R. Bauer, A. Zamm (2021). Is neural entrainment to rhythms the basis of social bonding through music? *Behavioral and Brain Sciences,* 44, e73, doi.org/10.1017/S0140525X20001296

D.J. Baker, A. Belfi, S. Creel, **J.A. Grahn**, E. Hannon, P. Loui, E. Margulis, A. Schachner, M. Schutz, D. Shanahan, D.T. Vuvan (2020). Embracing anti-racist practices in the music perception and cognition community. *Music Perception*, 38(2), 103-105

J.A. Grahn, Tuning the brain to musical delight (2017). *Nature Human Behaviour*

J.A. Grahn. Review of Psychology of Music: From Sound to Significance (2011), *Empirical Musicology Review*, 6, 138-140.

Books

The Neurosciences of Music: Interdisciplinary Insights, edited by Jessica Grahn and Jonathan De Souza. Music as Art and Science. New York: Oxford University Press, under contract.

Book chapters

D.J. Cameron*, **J.A. Grahn**. Perception of musical rhythm (2020) In: *The Cambridge Companion to Rhythm.* Eds. Ryan McClelland, Russell Hartenberger. Cambridge University Press

J.E.T. Taylor*, C.M. Vanden Bosch der Nederlanden*, **J.A. Grahn**. Musical expertise (2020) In: *The Science and Psychology of Music*: *From Beethoven at the Office to Beyoncé at the Gym.* Eds. William F. Thompson, Kirk N. Olsen. ABC-CLIO Greenwood

L.M. McGarry*, A. Sternin*, **J.A. Grahn**. Music and movement (2019) In: *Foundations in Music Psychology: Theory and Research.* Eds. Peter Jason Rentfrow, Daniel J. Levitin. MIT Press

C.M. Vanden Bosch der Nederlanden*, J.E.T. Taylor*, **J.A. Grahn**. Neural basis of rhythm perception (2019) In: *Oxford Handbook on Music and the Brain.* Eds. Michael H. Thaut, Donald A. Hodges. Oxford University Press

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 (2018) In: *Origins of Musicality.* MIT Press

T. Nguyen*, A. Gibbings*, **J.A. Grahn**. Rhythm and beat perception (2018) In: *Springer Handbook of Systematic Musicology.* Springer Publishing

M.J. Henry*, **J.A. Grahn**. Music, brain and movement: Time, beat and rhythm (2017) In: *Routledge Companion to Music Cognition.* Routledge

K. Waclawik*, S. Watson*, **J.A. Grahn**. Musical synchronization, social interaction, and the brain (2016) In: *Shared representations: Sensorimotor Foundations of Social Life.* Cambridge University Press

D.J. Cameron*, **J.A. Grahn**. The neuroscience of rhythm (2015) In: *Oxford Handbook of Music Psychology, 2nd Edition*. Eds. Susan Hallam, Ian Cross, Michael Thaut. Oxford University Press

L.-A. Leow*, **J.A. Grahn**. Neural mechanisms of beat perception: Present findings and future directions (2014) In: *Neurobiology of Interval Timing.* Springer Press.

J.A. Grahn. Advances in neuroimaging techniques: Implications for the shared syntactic integration resource hypothesis (2012) In: *Language and Music as Cognitive Systems* Eds. Patrick Rebuschat, Martin Rohrmeier, John Hawkins, Ian Cross. Oxford: Oxford University Press

Encyclopaedia Entries

J.A. Grahn, H. Gupta*, *Brain Waves*. In: Music in the Social and Behavioural Sciences (2014), *New York, NY: SAGE Reference*

J.A. Grahn, S. Winokur*, *Converging Evidence.* In: Music in the Social and Behavioural Sciences (2014), *New York, NY: SAGE Reference*

J.A. Grahn, C. Rinchon*, *Critical Period.* In: Music in the Social and Behavioural Sciences (2014), *New York, NY: SAGE Reference*

J.A. Grahn, S.D. Shaw*, *Expertise.* In: Music in the Social and Behavioural Sciences (2014), *New York, NY: SAGE Reference*

J.A. Grahn, H. Gupta*, *Imaging Techniques.* In: Music in the Social and Behavioural Sciences (2014), *New York, NY: SAGE Reference*

J.A. Grahn, S.L. Watson*, P. Mehan*, *Short-term Effects of Music Exposure.* In: Music in the Social and Behavioural Sciences (2014), *New York, NY: SAGE Reference*

J.A. Grahn, S.L. Watson*, Tactus and Pulse. In: Music in the Social and Behavioural Sciences (2014), New York, NY: SAGE Reference

Selected Conference Proceedings

E.A. Ready*, J.D. Holmes, **J.A. Grahn**. *Beat perception ability and familiarity with music alter gait in older adults during auditory cueing,* Society for Neuroscience, San Diego, CA, 2018

A. Sternin*, A.M. Owen, **J.A. Grahn**. *Identifying the neural correlates of music familiarity using a strict training paradigm.* Society for Neuroscience, San Diego, CA, 2018

S. Stober*, A. Sternin*, A.M. Owen, **J.A. Grahn**. *Towards music imagery information retrieval: Introducing the OpenMIIR Dataset of EEG recordings from music perception and imagination.* In: Proceedings of the 16th International Society for Music Information Retrieval Conference (ISMIR'15), 2015

S. Stober*, D.J. Cameron*, **J.A. Grahn**. *Using convolutional neural networks to recognize rhythm stimuli from electroencephalography recordings*. In: Advances in Neural Information Processing Systems 27 (NIPS'14), Pages 1449-1457, 2014

S. Stober*, D.J. Cameron*, **J.A. Grahn**. *Does the beat go on? — Identifying rhythms from brain waves recorded after their auditory presentation.* In: Proceedings of the 9th Audio Mostly: A Conference on Interaction With Sound (AM'14), Pages 23:1-23:8, 2014

S. Stober*, D.J. Cameron*, **J.A. Grahn**. *Classifying EEG recordings of rhythm perception*. In: 15th International Society for Music Information Retrieval Conference (ISMIR'14), Pages 649-654, 2014

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

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

J.A. Grahn, J.B. Rowe. *Beat initiation versus continued beat perception: The role of motor areas in the brain.* Proceedings of the 10th International Conference on Music Perception & Cognition, Sapporo, Japan, 2008

Selected Conference Presentations

J.D. Hoddinott*, **J.A. Grahn**, *Neural representations of rhythm and beat perception.* Poster Presented at the Neurosciences and Music VII. Virtually hosted in Aarhus, Denmark, June 2021

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

J.W. Hopper*, L.J. Batterink, **J.A. Grahn**. *Does musical stimulation during slow-wave sleep potentiate slow oscillations and associated declarative memory performance?* Poster, Rhythm Production and Perception Workshop (RPPW), Traverse City, Michigan, USA, June 2019

S. Raza*, M.J. Henry, D.J. Cameron, **J.A. Grahn**. *Does corticospinal excitability fluctuate when listening to isochronous rhythms?* Poster, Rhythm Production and Perception Workshop (RPPW), Traverse City, Michigan, USA, June 2019

J.D. Hoddinott*, M.J. Henry, **J.A. Grahn**. *The influence of familiarity on beat perception and oscillatory entrainment.* Poster, Rhythm Production and Perception Workshop (RPPW), Traverse City, Michigan, USA, June 2019

M.J. Henry*, **J.A. Grahn**. *Pitting metrical structure against subjective accenting in a test of beat-perception ability.* Oral presentation, Rhythm Production and Perception Workshop (RPPW), Traverse City, Michigan, USA, June 2019

N. Oesch*, I. Johnsrude, **J.A. Grahn**. *Music performance and social bonding.* Oral presentation, Rhythm Production and Perception Workshop (RPPW), Traverse City, Michigan, USA, June 2019

J.D. Hoddinott*, M.J. Henry*, **J.A. Grahn**. *The influence of familiarity on beat perception and oscillatory entrainment.* Poster, Lake Ontario Visionary Establishment (LOVE) , Niagara Falls, Ontario, CA, February 2019

E.A. Ready*, S. Brahmbhatt*, J.D. Holmes, **J.A. Grahn**. *Individualization of music-based auditory cueing for gait management in Parkinson's disease.* Poster, Lake Ontario Visionary Establishment (LOVE) Conference, Niagara Falls, Ontario, CA, February 2019

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

A. Sternin*, E.S. Nichols**, J.A. Grahn**, A. M. Owen. *Fine tuning cognitive assessment in the elderly using an online test battery.* Poster, Promoting Healthy Brain Aging and Preventing Dementia: Research and Translation, Banff, Alberta, CA, June 2018

D. Kogutek*, **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. Kogutek*, **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**. T*he 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

J.E.T. Taylor*. **J.A. Grahn.** *Non-random timing revealed by a random timing task: Uncovering periodic tendencies with a simple measure.* Oral presentation, Symposium on Timing And Rhythm (STAR), London, Ontario, CA, April 2018

C.M. Vanden Bosch der Nederlanden*, **J.A. Grahn.** *Examining phase-locking to speech and song in adulthood.* Orally presentation, Symposium on Timing And Rhythm (STAR), London, Ontario, CA, April 2018

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 use with young children.* Poster, Society for Research in Psychopathology, Indianapolis, USA, September 2018

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

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 Rhythm Production and Perception Workshop (RPPW)**,** Birmingham, UK, July 2017

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. Joanisse. *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

D.J. Cameron*, **J.A. Grahn.** *Cultural differences in neural and motor entrainment to the beat.* Neural Entrainment and Rhythm Dynamics, Boston, Massachusetts, USA, June 2017

A. Sternin*, S. Stober*, A.M, Owen, **J.A. Grahn**. *Identifying characteristics of perception and imagination of rhythm and speech in an EEG signal.* Poster, Neural Entrainment and Rhythm Dynamics, Boston, Massachusetts, USA, June 2017

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

D.J. Cameron*, **J.A. Grahn**, L. Prado, H. Merchant. *Comparing human and nonhuman primate brain responses to auditory sequences using EEG.* Poster, 6th International Conference on Auditory Cortex, Banff, Alberta, CA, September 2017

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

A. Gibbings*, M.J. Henry*, **J.A. Grahn**. *Investigating how changes in beat percept and sound envelope affect neural entrainment to auditory rhythms.* Poster, Lake Ontario Visionary Establishment (LOVE) Conference, Niagara Falls, Ontario, CA, February 2017

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

J. Czajka, J.G.P. Teselink*, J.C. Everling*, D.J. Cameron*, M.J. Henry*, **J.A. Grahn**. *Motor system excitability dynamics during auditory anticipation and beat perception.* Poster, Lake Ontario Visionary Establishment (LOVE) Conference, Niagara Falls, Ontario, CA, February 2017

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

L.M.J. McGarry*, E.A. Ready*, C. Rinchon*, J.D. Holmes, **J.A. Grahn**. *Walking to music: How instructions to synchronize alter gait in good and poor beat perceivers.* Poster, International Conference for Music Perception and Cognition (ICMPC), San Francisco, California, USA, July 2016

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

D.J. Cameron*, V. Wu, U. Azhar, **J.A. Grahn**. *Motor system excitability increases before the beat in auditory rhythms.* Society for Neuroscience, Chicago, Illinois, USA 2015

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

S. Stober*, A. Sternin*, A.M. Owen, **J.A. Grahn**. *Similarity and feature learning for EEG recordings of music perception and imagination. (Best Paper Award)* Cognitively Based Music Informatics Research (CogMIR), Toronto, Ontario, CA, September 2015

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.

A. Sternin*, S. Stober*, **J.A. Grahn**. *Classifying perception and imagination of music from EEG.* Society for Music Perception and Cognition (SMPC), Nashville, Tennessee, USA, August, 2015.

L. McGarry*, **J.A. Grahn**. *Factors contributing to long-term memory for song lyrics.* Society for Music Perception and Cognition (SMPC), Nashville, Tennessee, USA, August, 2015.

A. Gibbings*, D. Cruse, B. Stojanowski, **J.A. Grahn**. *Attention and presence of a beat modulate neural entrainment to non-repeating rhythms.* 15th Rhythm Perception and Production Workshop (RPPW), Amsterdam, Netherlands, July 2015.

F. Bouwer*, **J.A. Grahn**. *The influence of attention on beat perception in rhythms with different accents and varying complexity: An fMRI study.* Rhythm Production and Perception Workshop (RPPW), Amsterdam, Netherlands, July 2015

D.J. Cameron*, **J.A. Grahn**. *The influence of culture on rhythm perception, behaviour, and neural entrainment to the beat.* 15th Rhythm Production and Perception Workshop (RPPW), Amsterdam, Netherlands, July 2015

A. Sternin*, S. Stober*, **J.A. Grahn**. *Tempo estimation from the EEG signal during perception and imagination of music.* 1st International Workshop on Brain-Computer Music Interfacing, Plymouth, England, UK, June 2015

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

C. Bergevin, L. McKetton, V. Stone, **J.A. Grahn**, D. Purcell. *No otoacoustic evidence for a peripheral basis underlying absolute pitch.* Acoustical Society of America, Pittsburgh, Pennsylvania, USA, 2015

C. Carter*, **J.A. Grahn** *Optimizing music learning: Exploring how blocked and interleaved practice schedules affect advanced performance*. International Symposium of Performance Science, Kyoto, Japan, 2015

K. Patterson*, **J.A. Grahn**. *Rhythm perception and production abilities relate to motor impairment and temporal gait variability after stroke.* ISPGR World Congress, Seville, Spain, 2015

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

F. Tran*, L.-A. Leow*, **J.A. Grahn.** *The role of the supplementary motor area and the cerebellum in absolute timing.* Southern Ontario Neuroscience Association (SONA), Hamilton, Ontario, CA, 2015

A. Sternin*, S. Stober*, A.M. Owen, **J.A. Grahn**. *Differentiating music perception and imagination using EEG.* Lake Ontario Visionary Establishment (LOVE) Conference*,* Niagara Falls, Ontario, CA, February 2015

T. Nguyen*, **J.A. Grahn**. *Investigating the effects of arousal on cognition.* Lake Ontario Visionary Establishment (LOVE) Conference*,* Niagara Falls, Ontario, CA, February 2015

A. Gibbings*, D. Cruse, B. Stojanoski, **J.A. Grahn**. *Attention and presence of a beat affect neuronal entrainment to rhythms.* The Neurosciences and Music V - Cognitive Stimulation and Rehabilitation, Dijon, France, 2014

L. Leow*, **J.A. Grahn**. *Synchronizing to the musical beat slows and shortens strides.* The Neurosciences and Music V - Cognitive Stimulation and Rehabilitation, Dijon, France, 2014

L. Leow*, T. Parrott*, **J.A. Grahn**. *Effects of synchronizing footsteps to the musical beat on gait spatio-temporal parameters*. Lake Ontario Visionary Establishment (LOVE) Conference*,* Niagara Falls, Ontario, CA, February 2014

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

T. Nguyen*, **J.A. Grahn**. *How musical mood and arousal affect different cognitive functions.* Poster, Lake Ontario Visionary Establishment (LOVE) Conference, Niagara Falls, Ontario, CA, February 2014

D.J. Cameron, **J.A. Grahn**. *Synchronizing tapping with the beat of complex auditory sequences*. Progress in Motor Control IX, Montreal, Canada, 2014

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. Joanisse, **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

In the groove: Neural Investigations of links between timing, rhythm, and movement 2024
Neuroscience and Behaviour Colloquium: Department of Psychology, McMaster, Hamilton 2023

Moving to the groove: musical rhythm and the brain's motor system
Neurohumanities Lab Music Faculty Colloquium: UBC, Vancouver

Moving and Grooving: The role of motor areas in rhythm and beat perception 2023
Music Faculty Colloquium: UBC, Vancouver

Feeling the Beat: The role of motor areas in auditory sequence processing 2023
Krembil Neuroimaging Rounds, University Health Network, Toronto

Rhythm, Movement, and the Brain 2022
Neuroscience Seminar Series, Queens University, Canada

The role of motor areas in auditory sequence processing 2022
International Conference on the Auditory Cortex, Magdeburg, Germany

Music, Movement, and the Brain 2022
Future Directions in Neuroscience, Max Planck Symposium, Berlin

Music and Rhythmicity 2022
LASER Talks, Cambridge, UK

Music and Movement: Behavioural and brain responses to rhythm 2022
Smart Mobility for the Aging Population, McMaster University

Music, Movement, and the Brain 2022
Kings University College, London, ON

Music, Movement, and the Brain 2021
Women in Science Research Conference, Virtual

Music, Movement, and the Brain 2021
Western Leader's Forum, Western University

The role of motor brain areas in auditory sequence perception 2021
Auditory Cortex Virtual Symposium

Dissociating the roles of different motor areas in auditory sequence processing 2021
Symposium for Cognitive Auditory Neuroscience, Virtual

How music moves us: The neuroscience of rhythm 2021
Carleton University Cognitive Science Graduate Conference, Virtual

Moving to the beat: Neural mechanisms of rhythm perception 2021
Kings College London (UK) Neuroimaging Seminar, Virtual

The Translational Use of Rhythm for Gait Training: From the Lab to the Clinic 2020
American Music Therapy Association Conference

Rhythm and movement: Neural mechanisms of rhythm perception 2020
Psychology Colloquium, Brock University St. Catherines, ON

Music, movement, and the brain 2019
Max Planck Institute for Empirical Aesthetics, Frankfurt, Germany

Music and movement: Musical factors that affect gait 2019
American Congress of Rehabilitation Medicine, Chicago, USA
Rhythm, timing and movement: How the brain reacts to musical rhythm 2019
Keynote, Annual Meeting, Leopoldina Society, Halle, Germany
The role of beat perception in auditory sequence processing 2018
Organization for Computational Neuroscience, Allen Institute, United States
Oscillatory entrainment increases with social context 2018
Symposium of Nonlinear Dynamics, McGill University, QC
Striatal role in auditory sequence perception 2018
Canadian Association for Neuroscience Symposium, Vancouver, BC
Why do we move to music: Rhythm and the Brain 2018
Department of Biology, Western University, ON
What Makes Musical Rhythm Special: Cross-Species, Developmental, and Social Perspectives 2018
Cognitive Neuroscience Society Symposium, Boston, USA
The Cognitive Neuroscience of Musical Improvisation and "Feel" 2018
Association for Psychological Science, San Francisco, USA
Cross-cultural Comparisons of Neural and Motor Entrainment to the Beat 2017
International Society for Behavioural Neuroscience, Symposium, Las Vegas, USA
Cross-cultural Comparisons of Neural and Motor Entrainment to the Beat 2017
First Annual Timing Research Forum, Symposium, Strasbourg
Rhythm and the Brain: The role of the motor system in auditory sequence perception 2017
Neuroscience and Cognitive Science Colloquium, University of Maryland, USA
Moving and Grooving: Rhythm, Movement, and the Brain 2017
Society for Music Perception and Cognition, San Diego, USA
Movement-Time and Rehabilitation 2017
Music, Language, and Cognition, Lake Como Summer School, Italy
Music, Movement, and the Brain 2017
University of Montreal, Canada
Feeling the beat: Rhythm, Movement, and the Brain 2017
Jyväskylä Centre for Interdisciplinary Brain Research, University Jyväskylä, Finland
Music & Movement 2017
Neural Dynamics and Brain Health Conference and Workshop, Baycrest Rotman Research Institute, Toronto, ON
Feeling the beat: Rhythm, Movement, and the Brain 2017
James C. Carlsen Invited Lecture, School of Music, University of Washington, USA
Music and the Groove: the Connection Between Movement, Music, and the Brain 2017
Institute for Learning and Brain Sciences, University of Washington, USA
Feeling the beat: Rhythm, Movement, and the Brain 2016
Department of Physics & Astronomy, Western University, ON
Rhythm and the brain: the role of neural motor areas in rhythm and timing 2016
Center for Music in the Brain, Aarhus University, Denmark
Music, movement, and the brain 2016

Workshop on the Musical Brain, University of Amsterdam

Motor system involvement in the perception of time: music, rhythm, and the brain 2016
Department of Experimental Psychology, Oxford University, UK

Music, Movement, and the Brain 2016
14th Annual Conference on Philosophy of Mind, Language, and Cognitive Science, Western University, ON

Music and the Groove: the Connection Between Movement, Music, and the Brain 2016
Graduate Student Symposium, University of Guelph, Canada

Rhythmic Auditory Stimulation for Gait Training in Parkinson's Disease 2016
Music and Health Colloquium, University of Toronto, Canada

Music and movement in Parkinson's disease 2015
Parkinson Society Southwestern Ontario Conference, ON

Music and movement in Parkinson's disease 2015
Parkinson Society Leaders Meeting, Toronto, ON

Musical beat perception and computational questions 2015
Multi-disciplinary workshop: Joint Action and Perception in Emergent Phenomena Centro Internacional de Ciencias, Cuernavaca, México

Rhythm perception and the motor system 2015
Keynote, Rhythm Perception and Production Workshop, Amsterdam

Rhythm perception and the motor system 2015
LOVE Conference (Lake Ontario Visionary Establishment Conference), Niagara Falls

Assessing the role of motor areas in rhythm perception using brain stimulation 2015
Current Topics in Hearing Science and Audiology series, Western University, ON

Music and the brain 2015
Neuroscience Lecture at St. Lawrence University, NY, USA

Music and the brain 2014
Innovating Medicine Conference, Lisbon, Portugal

Beat perception ability and gait improvements in Parkinson's disease 2014
Neurosciences of Music V: Cognitive Stimulation and Rehabilitation, Montreal, QC

Feeling the beat: Auditory and motor system involvement in rhythm perception 2014
Cognitive Science Colloquium, Northwestern University, Chicago, USA

Music and the brain 2014
Neuroscience and Education Symposium, Western University, ON

The neuroscience of moving to music 2014
NeuroXchange conference, Hamilton, ON

How non-temporal factors influence entrained movement 2014
International Conference on Timing and Time Perception, Corfu, Greece

Walking to the beat: implications for Parkinson's disease 2013
NSERC-CREATE Workshop, Network in Auditory Cognitive Neuroscience, Hearing and Health, McMaster University, ON

The perception of musical rhythm: Auditory and motor system involvement 2013
Keynote, Banff Annual Seminar in Cognitive Science, BC

Auditory and motor system involvement in rhythm perception 2013
Keynote, Canadian Spring Conference on Behaviour and Brain, Fernie, BC

Why rhythm makes us move: neural investigations of rhythm perception 2013
University of Guelph, Department of Psychology, ON

Neural investigations of rhythm perception 2012
Rhythm Perception and Production Workshop at Centre for Research on Brain, Language, and Music, Montreal, QC

Rhythm in the brain: how music can affect movement 2012
Parkinson's Society Regional Conference, Kitchener, ON

Rhythm and beat perception in the auditory and visual modalities 2012
Centre for Vision Research, York University, ON

Motor area engagement during perception of rhythm 2012
Department of Anatomy and Cell Biology, Western University, ON

Moving to the beat: rhythm and the brain 2012
Faculty of Music, Western University, ON

Feeling the beat: brain responses to musical rhythm 2012
Ontario Association of Medical Radiation Technologists Meeting, ON

Motor system engagement in rhythm and beat perception 2012
Music Cognition Symposium, Eastman School of Music and University of Rochester, USA

Links between rhythm perception and the motor system 2012
Department of Psychology, Michigan State University, USA

Rhythm perception and the motor system 2012
Department of Psychology, Neuroscience & Behaviour, McMaster University, ON

Feeling the beat: Rhythm perception and the motor system 2012
Children's Health Research Institute, London, Ontario, ON

Can you see it? Beat perception in auditory and visual modalities 2011
McMaster Institute for Music and Mind, McMaster University, ON

Investigating how movement areas in the brain support musical rhythm perception 2011
Annual meeting of the Southern Ontario Neuroscience Association, ON

The role of motor areas in musical rhythm and beat perception 2011
Ebbinghaus Empire series, Department of Psychology, University of Toronto, ON

Research in neuroscience, music, and the brain: Highlights 2010
Leaders' Forum, University of Western Ontario, ON

fMRI investigations of finding the beat versus continuing the beat 2010
British Psychological Society Seminar Series, UK

Music and movement: the role of the basal ganglia in music and rhythm perception 2010
School of Psychology, University of Birmingham, UK

Music in the brain: fMRI and patient investigations of musical rhythm and motor areas 2010
Instituto de Neurologia Cognitiva (INECO), Buenos Aires, Argentina

Feeling the beat: musical rhythm processing in the brain 2010
School of Psychology, University of East London, UK

Investigating the neural foundations of rhythm perception using fMRI 2010
Developmental Cognitive Neuroscience Unit, UCL, London, UK

Neural investigations of musical rhythm and beat perception 2010
Eminent Speaker Series, Goldsmiths College, University of London, UK

Disorders of musical cognition 2010
Neuropsychiatry, Addenbrooke's Hospital, Cambridge, UK

Moving to the beat: the role of the striatum in musical rhythm perception 2010
Department of Experimental Psychology, University of Cambridge, UK

Feeling the beat: Musical rhythm processing 2010
Faculty of Music, University of Cambridge, UK

Prior auditory exposure effects on visual beat perception: a cross-modal investigation using fMRI 2009
Workshop on Synchronization in Music and Speech, Free University of Brussels, Belgium

Moving to the groove: Motor responses in the brain during rhythm perception 2009
Université Catholique de Louvain, Belgium

Music, rhythm, and movement: Why we fill the silence 2009
Peterhouse College, UK

Does phonological short-term memory capacity correlate with rhythmic ability? A comparison of individual differences in nonverbal and rhythm spans 2009
UCL Institute of Cognitive Neuroscience, Timing in Speech and Music Workshop, UK

Rhythm processing in the brain: a focus on motor areas 2009
Universitat Pompeu Fabre, Barcelona

Rhythm and Dance 2009
EPS satellite: Workshop on Dance and the Cognitive Neurosciences

Rhythm and beat perception in the brain 2008
Centre for Neuroscience in Education, Cambridge, UK

The role of the basal ganglia in rhythm processing: Evidence from neuropsychology and neuroimaging, Invited symposium speaker 2008
Neurosciences and Music III: Plasticity and Disorders, Montreal, Canada

Cognitive deficits in Parkinson's disease 2007
Department of Neurology, University of Toledo, USA

The role of motor areas in rhythm and beat perception 2007
Max Planck Institute, Leipzig, Germany

Connectivity analyses in neuroimaging investigations: Symposium discussant 2007
Conference on Language and Music as Cognitive Systems, University of Cambridge, UK

The role of motor areas in rhythm and beat perception 2007
Bowling Green State University, USA

The role of motor areas in beat-based rhythm processing 2006
Conference on Rhythm, Time and Temporal Organisation, The Institute for Music in Human and Social Development (IMHSD), Scotland

Neuroimaging and neuropsychology of beat-based and non-beat-based rhythm processing 2006
Rhythms in the Brain Workshop, University of Wales, Bangor

Rhythm processing in the brain 2006

School of Psychology, University of Wales, Bangor

Beat-based rhythm processing in the brain: Behavioural, neuroimaging, and neuropsychological investigations 2005
Ohio State University, Columbus, USA

Rhythm processing in the brains of musicians and non-musicians 2005
Crosstalk Interdisciplinary Colloquium, University of Cambridge, UK

Rhythm and the brain: Evidence for beat-based timing 2004
School of Informatics, City University, UK

Beat-based rhythm processing and the basal ganglia 2004
Open University, Milton Keynes, UK

The basal ganglia and processing beat-based rhythm in musicians and non-musicians 2004
University of California, Berkeley, USA

The basal ganglia and processing beat-based rhythm in musicians and non-musicians 2004
Center for the Study of Language and Information, Stanford University, USA

Rhythm processing in the brains of musicians and non-musicians 2004
Wolfson College, University of Cambridge, UK

Timing networks and rhythm perception 2002
Cambridge University Science and Music Group, UK

Beat-based timing: A matter of complexity? 2001
Cambridge University Signal Processing Colloquium, UK

PUBLIC ENGAGEMENT

Talks

Science in Society Career Panel 2023
Panelist for Dana Foundation

Music, movement, and the brain 2023
Western Undergraduate Neuroscience Society Gala

Moving and Grooving: Rhythm and motor areas of the brain 2023
The Vancouver Institute, BC

Moving and Grooving to the beat 2022
Third Age Learning, Guelph

Feeling the Beat: The neuroscience of movement and dancing with Parkinson's Disease 2021
Society for the Neuroscience of Creativity

Music and Mind: Exploring the benefits of music 2021
Parkinson Society Southwestern Ontario

Rhythms in the Brain: Why we Move to the Beat 2021
The *Royal Society of Canada Café Presentation*

Musical emotions and the groove 2020
55th International Festival of Science Documentary Films, Czech Republic (postponed due to coronavirus)

Moving and grooving to the beat: Rhythm and the brain 2019
Undergraduate Awards Summit, Dublin, Ireland

Music and the brain 2019

SOLUNA Festival, Dallas Symphony Orchestra, Texas

Rhythm, moving and the brain 2019
Keynote, AIMS [medical student organized] Meeting, Lisbon, Portugal

Moving and grooving: Rhythm and the brain 2019
Keynote, Neugeneration conference, Queens University, ON

Music and the brain 2018
Western Talks Science, Western University, ON

Music and Parkinson's: Movement and Mood 2018
Parkinson Society Southwestern Ontario (Sarnia and London Events)

Music and the Brain 2017
Learning Unlimited (Oxford) in Woodstock, ON

Music and Movement 2016
Brain Health Fair, London, ON

Why does music make us move? Rhythm and the brain 2016
BrainCanDo: Music and the Brain, BAFTA, London, UK

Music, movement and the brain 2016
Inspiring Young Women in STEM Conference, Western University

What do leaders look like? Combating myths, bias, and anxiety in the path to success 2016
Scholars to Leaders Series, Western University

Rhythm and the Brain: Why Music Makes us Move 2015
Third Age Learning, Guelph, ON

Rhythm and the Brain: Why Music Makes us Move 2015
Women's Canadian Club, London, ON

Music, Movement, and the Brain 2015
Dallas Symphony Soluna Music Festival, Music and Brain Symposium, Dallas, TX

Alive Inside Screening and Education Event 2015
Panelist for Ontario Association of Non-profit Homes and Services for Seniors, *Toronto*

Music as Personalized Medicine: Experiment at SXSW 2015
Invited speaker at SXSW, Austin, TX

Alive Inside Screening 2015
Panelist for Alzheimer Society London & Middlesex

Music and the Brain 2014
A.B. Lucas Secondary School, London, ON

Music and the Mind 2014
Lecture for 'Words for Wisdom', SOS, Western University

Music and the Brain 2014
Neuroscience Lecture, St. Lawrence University, NY

Impostor Syndrome 2014
Keynote, Women in Science, Western University

Mozart and Musical Memory 2014
The Musical Brain: Mozart and the Power of Music (Memory, Myth & Magic), London, UK

Music on the Brain: Why Music Moves Us 2014

Public Lecture, London Library, Ontario

How Music Affects Brain and Behaviour 2014
Alzheimer Society of Simcoe County Symposium, Barrie, ON

Music and the Brain 2014
Georgian Triangle Lifelong Learning Institute, Collingwood, Ontario

Music and the Brain: Why do we move to music? 2014
Science in Society Speaker Series, Okanagan Science Centre, BC

Move to the Rhythm 2013
TEDxWaterloo (>130,000 views on YouTube)

Music and Intelligence 2013
TEDxWestern (>160,000 views on YouTube, TED Editor's pick)

Music and movement (April 8 and June 4) 2013
Kiwanis Club lecture, London, Ontario

Music and the Brain 2012
Harry Somers Lecture, Stratford Summer Music Festival

In the groove: the connection between music, movement, and the brain 2012
Student Open Day, UWO

The science of being human: Nature and Nurture 2012
Public lecture, London Library, Ontario

The neuroscience of music: How rhythm moves us 2011
Public lecture, Eton College, UK

My Musical Brain 2011
Newcastle Science Festival, UK

Music, movement, and the Brain 2010
Manchester Science Festival, UK

Current findings in music neuroscience 2010
*The Musical Brain: Arts, Science, & the Mind (Wellcome Trust). *Highlighted in Nature*

Hit me with your rhythm schtick: The connection between music, movement, and the brain 2010
British Science Festival Charles Darwin Award Lecture

Great music and why we love it 2009
Keynote/rehearsal discussion The Nash Ensemble and the Musical Brain (Wellcome Trust)

Does music make you smarter? 2009
Science Week, Cambridge, UK

In the groove: Rhythm processing in the brain 2006
Science Week, Cambridge, UK

Interviews

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

CBC Radio 1, *Afternoon Drive*, 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 *Fresh Air*, 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 *IDEAS*	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 Wavepaths 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

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 Syrrett 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 *Perfil*,	2010
Putting brain training to the test: various press interviews, including *Time magazine,* NPR, BBC Five live, *Wall Street Journal, Business Week, Toronto Star* 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

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
11th Annual London Brain Bee	2018
SHAD (Canadian high school enrichment program) Research Demonstrations	2017
Discovery Day Research Demonstrations, Canadian Medical Hall of Fame	2017
10th Annual London Brain Bee	2017
Banting High School Brain & Mind Institute tour	2016
Mensa Brain & Mind Institute Tour	2016
9th 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
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 2015

Article for The Parkinson's Update (Parkinson Society Southwestern Ontario)

Learning by heart 2015

Article for Official BBC Proms Guide

Member, Virtual Researchers On Call, Experts on Demand 2013

SERVICE

Editorial Boards

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, PLoSONE (Received Long Service Award in 2023)	2015 - pres
Section Editor, Neuroscience, Oxford Handbook of Music Psychology, 2nd 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; PLoSONE; 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): NSA, Project Grant competition (2018), BSB, Project Grant competition (2022)

National Institute for Neurological Disorder and Stroke (NIH/NINDS), Study Section: Music and Health (2019-2022)

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

Past-President, Society for Music Perception and Cognition (SMPC)	2023-2024
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

Member, Review Committee, Future Directions in Music Cognition	2020
Co-Organizer, 17th 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

Promotion, Tenure, and Continuing Studies Committee, Psychology Dept	2023 - 2026
Social Science Representative on Music Faculty Council	2022-
Brain and Mind at Western (former BMI) Steering Committee, Acting Chair	2022 -
Undergraduate Affairs Committee, Psychology Dept	2022 -
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
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	
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 - pres
Member, Open Science Working Group	2021 - pres
Member, Research Advisory Committee	2017 - pres
Member, Highly Qualified Personnel committee	2017 - 2019
Accelerator Award Grant Review committee	2017
Other UWO Service	
National Scholarship Selection Committee	2022, 23
March Break Open House presentation: *Moving to the groove: How are brains respond to the beat.*	2016
Teaching Support Centre talk on Graduate Writing	2015
Neuroscience programme promotional video interview	2014
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
MRC Cognition and Brain Sciences Unit, UK	
Member, Royal Society 350th Anniversary Exhibition Planning Committee	2010
Chair and Founder, Equality Committee	2009 - 2010

Web content administrator and Member, Web Management Committee	2008 - 2010
Founding member and organizer, Postdoctoral network	2005 - 2010
MRI scan manager, Cambridge Cognitive Neuroscience Research Panel	2003 - 2010
Member, MRC CBU Unit Management Committee	2001 - 2010
University of Cambridge, UK	
Gates Cambridge scholarship, Biological Sciences Interview panel	2008 - 2010
Clare Hall, University of Cambridge	
Member, Computing Committee	2008 - 2009
Member, Search Committee for Clare Hall President	2007
Member, Official Fellowship Committee	2005 - 2009
Member, Governing Body	2004 - 2009
Member, Tanner Lectures Committee	2004 - 2005
***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, 12th International Conference on Music Perception and Cognition, Thessaloniki, Greece	2012
Gates Alumni Ambassador	2010 - pres
Session Chair, 10th 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

Faculty Mentor, ac[CREDIT]ed Mentorship Program, Council on Reforming Equity, Diversity, and Inclusion for Trainees (CREDIT)	2023 - pres
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: *Presentation and panellist*	2017
Graduate Writing Conference talk: *Just do it: how to write in grad school*	2016, 2018

Scholars to Leaders Series Presentation: *What do leaders look like? Combating myths, bias, and anxiety in the path to success* 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: Sophia Espinoza, Isha Agarwal, Eastyn Klages, Joshua Williams, Velda Koranteng-Ado, Kyle Ing, Abigail Hunt

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
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 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
Felicia Zhang, Frank Tran, Victor Wu, Jerome Iruthayarajah	2014-15
Angela Marca, Kristina Waclowik, 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]

BS: Diana Urian, Joshua Williams	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]

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]

Penelope Corbett (USA) MITACS Scholarhip	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]

Laura Stambaugh (Georgia Southern University) Sabbatical	2018

High school placement projects [3]

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