UPCOMING EVENTS

Register Now for IAMM 3rd International Conference 2014

The 3rd International conference of IAMM will be held at the University of Toronto June 24 - 27 2014.

The 3rd International Conference of the International Association for Music & Medicine is promising to be an outstanding event with an unprecedented line-up of Keynotes and Plenaries. On the theme of Music Medicine through the Lifespan, three keynote addresses, looking at childhood, adulthood, and the later years, will be presented by Dr. Laurel Trainor, Director of the McMaster Institute for Music and Mind, Dr Julian Thayer, Ohio Eminent Scholar Professor in Health Psychology, Ohio State University, and Dr. Alicia Ann Clair, Professor and Director of Music Education and Music Therapy at the University of Kansas. Dr. Clair is also a Research Associate in Gerontology at KU. In addition there will be three neuroscience plenaries featuring MaHRC associates and three hospital research associates featuring music research being conducted at Toronto hospitals. A special feature is the talk at the conference dinner by internationally celebrated neuroscience writer and MaHRC associate, Dr. Norman Doidge.

For general conference information and program details, please see

http://www.iammcanada.com

You may register for the whole event or by the day. Check out the favourable rates for students and IAMM members.

Music Therapy Training Course at MaHRC – May 2-3

On May 2 – 3, MaHRC is offering a Continuing Education Experience for Music Therapists with instructor Blythe LeGasse. Dr. Blythe LaGasse is Coordinator and Assistant Professor of Music Therapy at Colorado State University. Dr. LaGasse holds degrees from the University of Kansas (Ph.D. with Music Therapy and Communication
Neuroscience emphasis), Colorado State University (M.M. in Music, Music Therapy), and University of Kansas (B.M. in Music Therapy). Additionally, and she holds Certification in Neurologic Music Therapy (NMT). With a strong background in communication neuroscience, her research interests include the use of music to improve communication and cognitive skills in children with developmental disabilities and autism spectrum disorders. At CSU, Dr. LaGasse teaches undergraduate and graduate coursework in Music Therapy, coordinates the Music Therapy Clinics, and Directs the Music Therapy Distance Learning Program.

**Course Title:** Neuroscience, Speech and Language Training in Music Therapy  
**Date:** May 2, 5-9 pm & May 3, 10am-5 pm, 2014  
**Location:** University of Toronto, Faculty of Music  
**Course Fee:** $160 (Includes lunch and refreshment breaks)

**Course Description:** This course unfolds in two modules: Neuroscience of Music Therapy & Facilitating Speech and Language in Music Therapy

**Neuroscience of Music Therapy:**  
Have you ever wanted to better understand articles about music in the brain or explain what is happening when your clients listen to music? This continuing education experience will help the music therapy clinician understand basic neuroscience. We will go over important brain areas, systems, and networks. We will then explore how music activates the brain. This information will be presented so that clinicians can better: (1) read research by knowing basic structures, and (2) explain how music can affect behavior. We will relate information to different client populations. You will learn through lecture, video supplements, and coloring! **In order to maximize time in person, participants will engage in 2 hours of self-led video instruction before May 2nd.**

**Learning Objectives:**

Participants will have the opportunity to:
- learn basic neurological systems
- understand how music therapy treatment can promote brain changes to improve nonmusical skills
- learn how current neuroscience research literature can inform treatment implementation
- understand basic science language that may be used in professional conversations

**Facilitating Speech and Language in Music Therapy**  
Many music therapists work with individuals who have speech and language needs. This continuing education experience is designed to help the professional music therapist learn about the neurological and developmental aspects of speech and language as they relate to client populations. We will review current research and apply findings to client populations across the ages. We will practice using techniques that can facilitate functional speech and language goals. We will also learn about some assessment tools
that can be used to measure progress. **In order to maximize time in person, participants will engage in 1 hour of self-led video instruction before May 2nd.**

Learning Objectives:
Participants will be able to:
• identify major factors in speech and language disabilities
• consider the role of neurological development in the production of speech
• identify the mechanisms that allow music to help in the development of speech and language
• identify relevant music therapy interventions for speech and language training

For more information contact:
Doreen at doreen.polestar@sympatico.ca

**PLEASE NOTE:** Although this course is financially subsidized by MaHRC, a minimum number of 15 registrants will be required to run the training. *If sufficient numbers are not registered by March 31st the training will be cancelled and fees refunded*

**DISCLAIMER:** These courses are not endorsed by the RF Unkefer Academy for Neurologic Music Therapy. Although the courses may introduce some Neurologic Music Therapy Concepts, completion of thee courses does not allow the participant to practice Neurologic Music Therapy nor does it take the place of the International Training Institutes in Neurologic Music Therapy which are conducted by the Robert F. Unkefer Academy for Neurologic Music Therapy and endorsed by the World Federation of Neurologic Rehabilitation (WFNR), by the European Federation of Neurorehabilitation Societies (EFNS), and the International Society for Clinical Neuromusicology (CNM).

**Videos Online**

**Sound Health: The Potential For Music Effects In Aging**

Lee Bartel, PhD, Professor, Associate Dean – Research, and Acting Director of MaHRC

Talk at Institute for Life Course and Aging, Noon-Hour Seminar

See the talk at: [http://hosting2.epresence.tv/AGING/1/watch/188.aspx](http://hosting2.epresence.tv/AGING/1/watch/188.aspx)
Tasty Coloured Sounds: The Experiences of Synaesthetes

Dr. Julia Simner, Neuropsychologist, Director of Synesthesia and Sensory Integration lab at the University of Edinburgh, Scotland.

Talk at Faculty of Music, MaHRC, with support from OCAD University, The Colour Research Society of Canada, and the Fraser Mustard Institute for Human Development.

See talk at: https://www.youtube.com/watch?v=4vFqNjySBHk

Graduate Student Research in Music and Health

A number of graduate students in the PhD program and in the DMA program are pursuing dissertation research in the filed of music and health.

Charlene Santoni, DMA student is developing a study entitled: The implementation of instructional singing voice techniques in the rehabilitative voice therapy protocol for children with functional voice disorders caused by unilateral vocal fold paralysis. She is currently at the stage of submitting proposals to the ethics review boards. Her supervisory team includes Dr. Paolo Campisi, Otolaryngologist and Jennifer Allegro, Audiologist at Sick Kids Hospital and Profs. Lorna MacDonald and Lee Bartel at the Faculty of Music.

Alicia Howard, PhD student is developing a study focused on Temporomandibular Disorder (TMD) and Music Medicine. She is currently at the stage of developing a formal proposal and submitting to the ethics review boards. Her supervisory team includes Dr. Howard Tenenbaum, Professor and Head of Periodontology at the Faculty of Dentistry, University of Toronto, and Head of Periodontics at Mount Sinai Hospital; Dr. Allan Gordon, Director of the Wasser Pain Management Centre at Mt. Sinai Hospital; and Prof. Lee Bartel.

Vivek Sharma, PhD student and member of the Collaborative Program in Neuroscience (CPIN) is developing a proposal for a study addressing the questions: How is the human brain adapting to music listening while navigating through a modern infrastructure? Is the integration of music and technology separating us from our social environments? He will be developing a supervisory team involving neuropsychology and music.

Lisa Tahara, DMA student is nearing completion of a study entitled: Music and Keyboard Improvisation for Healthy Older Adults. She has looked at how quality of life is enhanced through piano lessons. Her supervisors are Profs. Midori Koga and Lee Bartel.
**Cheryl Jones**, PhD student and member of the Collaborative Program in Neuroscience (CPIN) is developing a proposal in the area of Music in Neurorehabilitation. Cheryl is currently an active Neurologic Music Therapist working clinically in neurorehabilitation.

**Linnea Thacker**, DMA student coming into the program in fall 2014 and is planning research on "Strategies for the Identification and Prevention of Performance-Related Musculoskeletal Disorders in Musicians." She has the distinction of being the first student at the Faculty of Music to be awarded funding support from CIHR in the form of a Frederick Banting and Charles Best Canada Graduate Scholarship. She will be working with Lee Bartel.

**RESEARCH FEATURE**

**A Multi-stage Study of Cochlear Implant Recipients’ Enjoyment of Music.**

A series of studies is in progress at Sunnybrook Hospital under the leadership of MaHRC Associate, Dr Joe Chen, Chief Otolaryngologist, and Prof. Lee Bartel. The team has included: Dr. Hosam Amoodi, Dr. Simon Greenberg, Dr. Ashlin Alexander, Dr. Lendra Friesen, David Shipp, Samidha Joglekar, and Leah Smith.

**Project Purpose:** To develop diagnostic and rehabilitation tools for post-lingual cochlear implant recipients to enjoy music.

**Description:** A qualitative case study was completed in 2007 and the results published and reported at several international academic conferences. The second stage was the development of a computer-based music enjoyment measure, a perception diagnostic tool, and a training program built on the Sohlberg & Mateer Attention Model. The program is called MusicEAR – Music Enjoyment and Ability Retraining. Software programmers created the first version of the program in 2007 – 2008 with reprogramming in 2012-2013 from Unix Java to Adobe Air. In 2010 -2011 we ran a validity – reliability study with 40 participants.

We received funding in Fall 2011 from Med El ($135,000) for a trial of the retraining function. A small pilot is currently underway, which if successful, will lead to a more substantial clinical trial with about 80 participants. During the past year, through MaHRC, additional sound files were composed by John Herberman to add to the training dimension of “MusicEAR”

Funding for the study to date stands at about $60,000 from Sunnybrook for the Diagnostic research plus the $135,000 for the retraining.

Publications from these studies include:


On the MaHRC Newsletter is created and edited by: Prof. Lee Bartel, Associate Dean-Research and Acting Director of MaHRC. For questions or comments: music.research@utoronto.ca

Adjunct and Status-Only Appointed Members of MaHRC, Faculty of Music:

Heidi Ahonen, PhD, MTA. Professor of Music Therapy at Wilfrid Laurier University.
Claude Alain, PhD. Assistant Director and Senior Scientist of the Rotman Research Institute at the Baycrest Centre
Quincy Almeida, PhD. Director, Sun Life Movement Disorders Research & Rehab Centre, Wilfrid Laurier University.
Dr. David Alter, MD, PhD, FRCP. Cardiologist, Senior Scientist in the Institute for Clinical Evaluative Sciences.
Dr. Jennifer Anderson, MD, FRCS. St Michael’s Hospital, Otolaryngologist in Chief, Department of Otolaryngology - Head and Neck Surgery
Gavin Andrews, PhD. Professor, Department of Health, Aging, & Society, McMaster University.
Dr. John Axler, MD, CCFP. Director of Continuing Education Projects for the Department of Family and Community Medicine, University of Toronto.
Katherine M. Boydell, PhD. Senior Scientist and Scientific Dir of Qualitative Inquiry, Child Health Evaluative Sciences, The Hospital for Sick Children.
Dr. Davor Cepo, DC. Wasser Pain Management Centre, Mount Sinai Hospital
Tom Chau, PhD. Vice Pres, Research - Holland Bloorview Kids Rehab; Director - Bloorview Research Inst; Canada Res Chair in Paediatric Rehab Eng
Dr. Joseph Chen, MD. FRCS. Otolaryngologist-in-Chief at Sunnybrook Health Sciences Centre; Associate Professor, University of Toronto.
Joyce Chen, PhD. Stroke Rehabilitation Scientist, Heart and Stroke Foundation Centre for Stroke Recovery, Sunnybrook Hospital
Dr. John Chong, MD, CGIP, ABIME, FACPM, FRCP, DOHS, ARCT. Medical Director of Musicians’ Clinics of Canada.
Amy Clements-Cortes, PhD. MTA, MT-BC, FAMI. Senior Music Therapist, Baycrest Centre; Assistant Professor (Research) Faculty of Music, U of T
Angela Colantonio PhD. Prof, Dept of Occup Sci & Occup Therapy, Dalla Lana Sch of Pub Health; Grad Dept of Rehab Sc; Fac of Med, U of T
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Colleen Dockstader, PhD. Research Associate, Mabbott Laboratory, Sick Kids Hospital.
Michael J Evans, PhD. Professor of theoretical statistics and biostatistics, U of T, cross-appointment to the Dalla Lana School of Public Health.
Joaquin Farias PhD. Prof of Ergonomics at the Conservatorio Superior de Música de Sevilla; Researcher, School of Medicine at the Univ of Valencia.
Dr. Morris Friedman MD FRCP(C). Exec Medical Dir Centre for Memory and Neurotherapeutics; Medical Dir of the Ross Memory Clinic at Baycrest
Shari Geller, PhD. Clinical Psychologist; Faculty in Health Psychology, York University;
Dr. Allan Gordon, MD, FRCP(C) Clinical Neurologist and Director of the Wasser Pain Management Centre, Mount Sinai Hospital.
Jessica Grahn, PhD Assistant Professor at the Centre for Brain and Mind in the Department of Psychology, University of Western Ontario.
Robert Harrison, PhD. Senior Scientist in Otolaryngology, Neurosciences & Mental Health, and Auditory Science at Sick Children’s Hospital;
Sylvain Houle, PhD. Director of the Research Imaging Centre at the Centre for Addiction and Mental Health (CAMH) and the University of Toronto.
Gabriela Ilie, PhD. Lecturer, Department of Psychology, UTS; Post-Doc St. Michael Hospital, Neurosurgery, Injury Prevention Office and CAMH
Pia Kontos, PhD. Scientist, Toronto Rehabilitation Institute; Assistant Professor in the Dalla Lana School of Public Health.
Jessica Grahn, PhD. CAMH Indep Scientist, Research Imaging Centre MRI Suite and Assist Prof of Neurology at the U of T Faculty of Medicine.
Aaron J. Low, MSc. Speech-Language Pathologist, The Voice Clinic, Toronto.
Renee Lyons, PhD. Scientific Dir, Bridgepoint Collaboratory for Research and Innovation; Professor in the Dalla Lana School of Public Health at Uof T.
Lynn McDonald, PhD. Prof, Faculty of Social Work; Dir, Inst for the Life Course and Aging; Scientific Dir, National Initiative for Care of the Elderly
Patricia McKeever, PhD. Sen Scientist, Bloorview Kids Fnd Chair in Childhood Disability Studies, Bloorview Research Institute; Prof, Fac of Nursing
Dr. Henry Moller, MD, DABSM, FRCP. Assistant Professor, Department of Psychiatry, University of Toronto; Toronto Sleep Clinics.
Sylvain Moreno, PhD Scientist, Rotman Res Inst, Baycrest; Assist Prof, Dept of Psychology; Dir, NeuroEducation Across the Lifespan Lab, Rotman.
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Kristine Newman, RN, CRN(C), PhD. Daphne Cockwell School of Nursing, Ryerson University.
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