

MaHRC Appoints Two Project Researchers

This fall saw the appointment of two new project researchers within MaHRC.

Funding from the Connaught Global Challenge redevelopment grant has been allocated to a project examining MEG neuroimaging effects of rhythmic sensory stimulation (RSS). Understanding RSS is foundational to the direction being taken in MaHRC research with Alzheimer's, Parkinson's, neurogenic pain, and other conditions. To conduct a series of projects in RSS, Shahab Jamali, PhD was engaged as a Post Doctoral Fellow for two years to work in Prof. Bernhard Ross's MEG lab. Shahab completed his thesis in Medical Biophysics at the end of October. The team working with Dr. Jamali includes Dr. Claude Alain, Dr. Bernhard Ross, Dr. Gottfried Schlaug, and Dr. Lee Bartel.

A project funded by MaHRC with a private donation is focusing on RSS and Alzheimer's Disease. The project will also be located at Baycrest with Dr. Morris Freedman as the Co-Principal Investigator with Lee Bartel and Dr. Heidi Ahonen. To facilitate this project over the next two years, Dr. Amy Clements-Cortes, PhD, MTA, MT-BC, FAMI was appointed as an Assistant Professor LTA in the Faculty of Music with principal responsibility for this research project.

Amy Clements-Cortes in the Media



On December 9, 2013 Dr. Amy Clement-Cortes, MaHRC Research Associate, was a guest on the CBC Noon phone-in show with the theme, Music Therapy Makes a Difference. You can hear the show at the web address below. She and her Baycrest Glee Club project was also featured in the Canadian Jewish News and on the Inside Toronto Website. Links are below:

Music Therapy Makes a Difference

<http://www.cbc.ca/ontariotoday/2013/12/09/tuesday-the-difference-music-therapy-makes/>

Canadian Jewish News

<http://www.cjnews.com/arts/glee-club-brings-joy-baycrest-residents>

Inside Toronto

<http://www.insidetoronto.com/news-story/4250638-baycrest-glee-club-strikes-right-note-for-seniors-with-cognitive-concerns/>

Development of MA and PhD in Music and Health

During the past year the Faculty of Music has been working on the development of a new graduate program in the interdisciplinary area of Music and Health. Meetings with the Provost, a faculty planning group, and administrative leaders in numerous departments of the university has lead to a draft proposal for a new "field of study" within the existing MA and PhD. This program is intended to fill a much needed gap for music therapists wanting a research based graduate program leading to a PhD in Canada as well as students from other health tracks looking to integrate music. The required core of courses already exists but will be expanded with new and adjunct faculty over the next few years.

Two Collaborative Program Options Added

At the start of the 2013-2014 academic year Faculty of Music graduate students had some new program options. The Faculty of Music has worked out "membership" arrangements with the Collaborative Program in Neuroscience (CPIN) and with the Collaborative Program in Aging, Palliative and Supportive Care across the Life Course. Basically each program requires students to take 3 courses in the collaborative program and, if doctoral level, to do a thesis in the area. At this point one student is registered in each program. In addition, other students from the collaborative programs may take our related courses. One student did so in the Music and Brain course. These programs are a strong addition to the options within the proposed Music and Health degree. Prof. Lee Bartel is serving on the Board of CPIN.

Upcoming MaHRC Sponsored Lectures

Two lectures by Dr. Gottfried Schlaug, MD, PhD.

Dr Schlaug is Associate Professor of Neurology at Beth Israel Deaconess Medical Center (BIDMC) and Harvard Medical School, Chief of the Division of Cerebrovascular Disorders at BIDMC, and Director of the Music, Neuroimaging and Stroke Recovery Laboratories at Beth Israel Deaconess Medical Center. His main research interests are to examine, induce, and detect in-vivo brain plasticity in patients recovering from stroke and in normal healthy subjects undergoing intense and long-time training of sensorimotor skills. He has developed and tested innovative interventions including forms of singing and music making as well as forms of non-invasive brain stimulation to facilitate recovery from brain injuries and to improve disabilities resulting from neurodevelopmental disorders.



January 16, 2:00 -3:00 pm

"Singing Out of Tune: A Neuroscience Perspective"

The Collaborative Program in Neuroscience Distinguished Lecture Series.

Walter Hall, Faculty of Music

January 16, 7:30 - 9:00 pm

"Modulating brain activity to facilitate recovery from stroke."

The Doctors' Lounge Lecture Series of the Ontario Medical Association, District 11.

Room 330, Faculty of Music

To attend please: RSVP to Kathy Bugeja at: kbsp@rogers.com

Public Lecture by Dr. Julia Simner, PhD



Dr. Julia Simner, Reader at The University of Edinburgh, directs the Synaesthesia & Sensory Integration Lab, where she examines cross-modal mappings in people with synaesthesia and in the population at large. Her work examines the prevalence, cognition, perception, inheritance, neuroscience, aesthetics and history of synaesthesia as well as sensory integration in the general population, and how sensory perception influences language processing. Dr Simner's presentation is supported by MaHRC, OCAD University, The Colour Research Society of Canada, and the Fraser Mustard Institute for Human Development.

March 18, 7:00 pm

Room 330, Faculty of Music

Topic: TBA – will focus on synaesthesia, genetics, and development in children.

Free: Everyone welcome.

Videos of Past Events Now Posted for Public Viewing

Dr. Michael Thaut: "From Confession to Profession: The Evolution of Neurologic Music Therapy."



On May 15, 2013 Dr. Michael Thaut, Professor of Music and Neuroscience at Colorado State University, presented a talk entitled: "From Confession to Profession: The Evolution of Neurologic Music Therapy." The talk presented historic background for music therapy, the development of Neurologic Music Therapy (NMT), and provided specific research illustration through research data and video examples of some of the strategies of NMT. This talk was presented through the cooperation of the Music and Health Research Collaboratory (MaHRC), University of Toronto, and the Ontario Medical Association District 11. The talk was funded by the Connaught Research Fund of the University of Toronto.

<https://www.youtube.com/watch?v=VnuQpSPsjIk>

Synesthesia Conference Videos

On Friday May 31, a full-day workshop was held at the Faculty of Music in conjunction with the American Synesthesia Association Conference. The workshop entitled "Crossing Sensory Boundaries" engaged participants in the creation of visual responses to selected pieces of music, and featured talks by International leaders in this field. Four videos were created and are now available for public viewing. Please click on links below:

The Gryphon Trio leads the Visual Response Workshop

<http://youtu.be/kC4hcDnXVLE>

Dr. Jaime Ward, University of Sussex, UK, a world leading expert in synaesthesia, explains this fascinating phenomenon and reviews recent research in the field.

<http://youtu.be/WY5FiuxO-E8>

Samantha Moore, University of Loughborough, UK, an award winning British animated documentary maker, speaks about her film, An Eyeful of Sound, an animated short that visually renders the perceptions of audio-visual synaesthetes.

<http://youtu.be/jvix10S9CTw>

Edward M. Hubbard, Professor of Psychology at the University of Wisconsin, Madison, presents the initial outcomes and sample visualizations from the Music Visualization Workshop, held earlier in the day.

<http://youtu.be/s3gzypovmgo>

Music Care Conference 2013

On November 9 a full day conference focused on approaches to the use of music in contexts of care. Intended for doctors, nurses, social workers, religious workers, family care givers, long term care workers and many others interested in learning more about the potential and practice of using music in the context of care, the conference attracted over 300 attendees. To see an overview video click on the link below:

<https://www.youtube.com/watch?v=8SPrsMMyeus#t=34>

IAMM 3rd International Conference 2014

The 3rd International conference of IAMM will be held at the University of Toronto In June 2014. For general conference information, please see

<http://www.iammcanada.com>

Adjunct and Cross-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, FRCPC. Cardiologist, Senior Scientist in the Institute for Clinical Evaluative Sciences.

Dr. Jennifer Anderson, MD, FRCSC. 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 Director 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 Research Chair in Paediatric Rehab Engineering

Dr. Joseph Chen, MD, FRCSC. 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, CGPP, ABIME, FACPM, FRCPC, DOHS, ARCT. Medical Director of Musicians' Clinics of Canada.

Amv Clements-Cortes, PhD, MTA, MT-BC, FAMI. Senior Music Therapist, Baycrest Centre; Assistant Professor (Research) Faculty of Music, U of T

Maureen Dennis, PhD. Senior Scientist, Psychology, The Hospital for Sick Children; Professor, Institute Medical Sciences

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. Professor of Ergonomics at the Conservatorio Superior de Música de Sevilla; Researcher, School of Medicine at the University of Valencia.

Dr. Morris Freedman, MD, FRCP(C). Exec Medical Dir of the Centre for Memory and Neurotherapeutics, and Medical Director 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, Neurosurgerv. Injurv Prevention Office and CAMH

Pia Kontos, PhD. Scientist, Toronto Rehabilitation Institute; Assistant Professor in the Dalla Lana School of Public Health.

Nancy J. Lobaugh, PhD. CAMH Independent Scientist with the 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 Director, 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; Director, Institute for the Life Course and Aging; Scientific Dir, National Initiative for the Care of the Elderly (NICE)

Patricia McKeever, PhD. Senior Scientist, Bloorview Kids Foundation Chair in Childhood Disability Studies. Bloorview Research Institute; Prof, Fac of Nursing, U of T;

Dr. Henry Moller, MD, DABSM, FRCPC. Assistant Professor, Department of Psychiatry, University of Toronto; Toronto Sleep Clinics.

Sylvain Moreno, PhD. Scientist, Rotman Research Inst, Baycrest; Assist Prof, Dept of Psychology, U of T; Dir, NeuroEducation Across the Lifespan Laboratory, Rotman.

Dr. Lili Naghdi, MD, CCFP. The Health Centre of Maple, Sound Therapy Centre of Vaughan.

Kristine Newman, RN, CRN(C), PhD. Daphne Cockwell School of Nursing, Ryerson University.

Dr. Allan Peterkin, MD, FRCPC(C), FCFP. Assoc Professor, Psychiatrv and Family Medicine, U of T; Coord. Narrative Medicine and Humanities Program at Mt Sinai Hosp;

Dr. Larry M. Picard, MD, FRCPC(C). Clinical Neurologist, Wasser Pain Management Centre, Mount Sinai Hospital.

Rebecca Renwick, PhD. Professor, Department of Occupational Science and Occupational Therapy; Director of the Quality of Life Research Unit, Uof T.

Larry E. Roberts, PhD. Professor in the Department of Psychology, Neuroscience, and Behaviour at McMaster University.

Mark Rosenberg, PhD. Prof of Geography, Prof of Community Health and Epidemiology, Canada Research Chair in Development Studies, Queen's University;

Bernard Ross, PhD. Senior Scientist at Rotman Research Institute, Baycrest Centre and Associate Professor in the Department of Medical Biophysics.

Frank Russo, PhD. Associate Professor, Department of Psychology, Ryerson University; Director, Science of Music, Auditory Research and Technology Laboratory.

Glenn Schellenberg, PhD. Professor, Department of Psychology, University of Toronto. Director, Music & Cognition Laboratory, UTM

Mark Schmuckler, PhD. Professor, Department of Psychology, University of Toronto; Director, Laboratory for Infant Studies; Director, Music Cognition Laboratory, UTS.

Michael Schutz, PhD. Assist Prof of Music, McMaster Univ; Director, MAPLE (Music, Acoustics, Perception, and LEarning) Lab. Core member, MIMM;

Sandra Trehub, PhD. Professor Emeritus, Department of Psychology, University of Toronto; Director, Auditory Development Laboratory, UTM

Lidan You, PhD. Assistant Professor, Department of Mechanical and Industrial Engineering, University of Toronto.

On the MaHRC Newsletter is created and edited by: Prof. Lee Bartel, Associate Dean-
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