

**DAY 1 - "Working with Infants and Children"**

**Thursday, June 9**

14.00

**Welcome**, including Prof. Richard Morris, University of Edinburgh

14.10 – 16.10

**Workshop 1**

EXPERIMENTAL METHODS

14.10-14.40

**New imaging methods and auditory protection for neonates**

Amir Lahav

Brigham and Women's Hospital

Harvard Medical School

Boston, USA

14.40-15.10

**Musical experience, plasticity and maturation: Issues in measuring developmental change using electrophysiology (EEG) and magnetoencephalography (MEG)**

Laurel Trainor

Department of Psychology Neuroscience and Behavior

McMaster University

Hamilton, Canada

15.10-15.40

**Current behavioural methods with infants**

Sandra Trehub

Department of Psychology

University of Toronto

Mississauga, Canada

15.40-16.10

**Current fMRI methods with children**

Nadine Gaab

Harvard Medical School

Boston, USA

16.10

Coffee Break

16.40-18.00

**Workshop 2**

SOCIAL/REAL WORLD METHODS

16.40-17.00

**Musik bildet: The model of the Berlin Music Kindergarten**

Stefanie Uibel

Musikkindergarten Berlin

Goethe University Frankfurt

Berlin, Germany

17.00-17.20



**From “El Sistema” to other models: learning and integration through collective music education**

Maria Majno

System of children and youth orchestra and choirs in Italy

Milan, Italy

17.20-17.40

**Group music making with children**

Katie Overy

The Institute for Music in Human and Social Development (IMHSD)

University of Edinburgh

Edinburgh, UK

17.40-18.00

**Music as a therapeutic resource for PTSD children in conflict zones**

Nigel Osborne

The Institute for Music in Human and Social Development (IMHSD)

University of Edinburgh

Edinburgh, UK

**DAY 2**

**Friday, June 10**

9.00-9.15

**Welcome**, including Prof. Dorothy Miell, University of Edinburgh

9.15-10.00

*Keynote lecture*

**Human memory**

Alan Baddeley

Department of Psychology

University of York

York, UK

10.00-11.00

**Symposium I**

MECHANISMS OF RHYTHM AND METER LEARNING OVER THE LIFE SPAN

Erin E. Hannon (Chair)

**Neural bases of individual differences in beat perception: Implications for rhythm learning**

J. Devin McAuley

Department of Psychology

Michigan State University

East Lansing, USA

**Is hierarchy in rhythm perception learned or emergent?**



Henkjan Honing  
Universiteit van Amsterdam  
Amsterdam, Netherlands

**Rhythm learning through listening: Effects of perceptual experience on children's and adults' comprehension of unfamiliar rhythms**

Erin E. Hannon  
Department of Psychology  
University of Nevada  
Las Vegas, USA

11.00-11.30  
Coffee break

11.30-12.50

**Symposium 2**

**IMPACT OF MUSICAL EXPERIENCE ON CEREBRAL LANGUAGE PROCESSING**

Mathias Oechslin (Chair)  
Geneva Neuroscience Center FPSE  
University of Geneva Uni Mail  
Geneva, Switzerland

**Musical training shapes functional brain networks for selective auditory attention and hearing speech in noise**

Nina Kraus  
Departments of Communication Sciences and Neurobiology  
Northwestern University  
Evanston, USA

**Music training for the development of speech segmentation**

Daniele Schön  
Institut de Neurosciences Cognitives de la Méditerranée  
C.N.R.S and University of Marseille  
Marseille, France

**Brain responses to rapidly changing acoustic modulations in spoken language vary as a function of musical expertise**

Martin Meyer  
Department for Neuropsychology  
University of Zurich  
Zurich, Switzerland

**Why would musical training benefit language functions? A neurobiological perspective**

Aniruddh Patel  
The Neurosciences Institute  
San Diego, USA

12.50-14.00  
Lunch Break

14.00-15.30  
POSTER SESSION I



15.30-16.00

Coffee break

16.00-18.00

**Symposium 3**

CULTURAL NEUROSCIENCE OF MUSIC

Steven Demorest (Chair)

**Effects of learning on musical enculturation in infancy**

Laurel Trainor

Department of Psychology Neuroscience and Behavior

McMaster University

Hamilton, Canada

**Practiced musical style shapes auditory skills**

Peter Vuust

The Royal Academy of Music and and CFIN

Aarhus University Hospital

Aarhus, Denmark

**Expertise in folk music alters the brain processing of Western harmony**

Mari Tervaniemi

Cognitive Brain Research Unit

University of Helsinki

Helsinki, Finland

**Neurodynamics of Tonality**

Edward Large

Center for Complex Systems & Brain Sciences

Florida Atlantic University

Boca Raton, USA

**ERP Responses to Cross-cultural Music Expectancy Violations**

Steven Demorest

School of Music

University of Washington

Seattle, USA

**The Bimusical Brain**

Patrick Wong

Departments of Communication Sciences & Disorders and

Otolaryngology-Head and Neck Surgery

Northwestern University

Evanston, USA



**DAY 3**

**Saturday, June 11**

9.00-10.40

**Symposium 4**

MEMORY AND LEARNING IN MUSIC PERFORMANCE

Caroline Palmer and Peter Pfordresher (Chairs)

**Sensitive period effects for musical training**

Virginia Penhune

Laboratory for Motor Learning and Neural Plasticity

Concordia University

Montreal, Canada

**Effects of musical training on the role of auditory feedback during music performance**

Peter Pfordresher

Department of Psychology

University at Buffalo SUNY

New York, USA

**Seeing what you hear and hearing what you do: Audiovisual interactions in music learning and rehabilitation**

Amir Lahav

Brigham and Women's Hospital

Harvard Medical School

Boston, USA

**Contextual influences on performers' memory retrieval processes**

Caroline Palmer

Department of Psychology

McGill University

Montreal, Canada

**Error prediction and action control during piano performance in healthy and dystonic pianists**

María Herrojo Ruiz

Department of Neurology

Charité- University of Medicine

Berlin, Germany

10.40-11.10

Coffee break

11.10-12.30

**Symposium 5**

MIND AND BRAIN IN MUSICAL IMAGERY

Andrea Halpern and Robert J. Zatorre (Chairs)

**Dynamic Aspects of Musical Imagery**

Andrea Halpern

Psychology Department

Bucknell University

Lewisburg, USA



**Mental Imagery in Music Performance**

Peter Keller

Max Planck Institute for Human Cognitive and Brain Sciences

Leipzig, Germany

**Acuity of Mental Representations of Pitch**

Petr Janata

Department of Psychology

University of California at Davis

Davis, USA

**Beyond Auditory Cortex: Working with Musical Thoughts**

Robert J. Zatorre

Montreal Neurological Institute

McGill University and BRAMS laboratory

Montreal, Canada

12.30-14.00

Lunch

14.00-15.30

POSTER SESSION II

15.30-16.00

Coffee break

16.00-17.40

**Symposium 6**

Plasticity and malplasticity in health and disease

Eckart Altenmüller (Chair)

**The functional architecture of Working Memory for tones and phonemes in non-musicians and musicians with and without absolute pitch**

Stefan Koelsch

Cluster of Excellence "Languages of Emotion"

Freie Universität Berlin

Berlin, Germany

**Tinnitus: The dark side of the auditory cortex plasticity**

Christo Pantev

Institute for Biomagnetism and Biosignalanalysis

University of Münster

Münster, Germany

**Singing: when it helps, when it hurts, and when it changes brains**

Gottfried Schlaug

Department of Neurology

Beth Israel Deaconess Medical Center and Harvard Medical School

Boston, USA

**The adapting sensory-motor system of musicians**

Lutz Jäncke

Department of Psychology

University of Zurich

Zurich, Switzerland

**The mal-adapting sensory-motor system of musicians: Dystonia as a syndrome of dysfunctional brain plasticity**

Eckart Altenmüller

Institute of Music Physiology and Musicians' Medicine (IMMM)

University of Music, Drama, and Media

Hannover, Germany

**DAY 4**

**Sunday, June 12**

9.00-11.00

**Symposium 7**

THE ROLE OF MUSIC IN STROKE REHABILITATION: NEURAL MECHANISMS AND THERAPEUTIC TECHNIQUES

Takako Fujioka and Teppo Särkämö (Chairs)

**Rehabilitative effects of music listening on the recovering brain**

Teppo Särkämö

Institute of Behavioural Sciences

University of Helsinki

Helsinki, Finland

**Improving visual neglect through pleasant music**

David Soto

Department of Medicine

Imperial College

London, UK

**Music-supported therapy induced plasticity in the sensorimotor cortex in chronic stroke patients**

Antoni Rodriguez-Fornells

Department of Basic Psychology

University of Barcelona

Barcelona, Spain

**Multimodal functional cortical reorganization and its spatio-temporal pattern after music-supported stroke rehabilitation**

Takako Fujioka

Rotman Research Institute and Centre for Stroke Recovery

Baycrest, University of Toronto

Toronto, Canada

**Effective music therapy techniques in the treatment of non-fluent aphasia**

Concetta Tomaino

Institute for Music and Neurologic Function

Beth Abraham Family of Health Services

New York, USA

**Making music after stroke: using musical activities to enhance arm function**

Raymond MacDonald

Department of Psychology

Glasgow Caledonian University

Glasgow, UK

11.00-11.30  
Coffee break

11.30-12.50

**Symposium 8**

MUSIC: A WINDOW INTO THE WORLD OF AUTISM

Catherine Wan (Chair)

**Why are musical skills preserved in autism?**

Pamela Heaton

Department of Psychology

Goldsmiths, University of London

London, UK

**Brain and behavioral correlates of auditory processing in autism spectrum disorders**

Krista L. Hyde

Departments of Psychiatry and Neurology

Montreal Children's Hospital, McGill University

Montreal, Canada

**The neural correlates of emotional music perception: an fMRI study of the Shared Affective Motion Experience (SAME) model of musical experience**

Istvan Molnar-Szakacs

Semel Institute for Neuroscience and Human Behavior

University of California at Los Angeles

Los Angeles, USA

**Using Auditory-Motor Mapping Training to facilitate speech output in non-verbal children with autism**

Catherine Wan

Beth Israel Deaconess Medical Center

Harvard Medical School

Boston, USA

12.50-14.00  
Lunch

14.00-15.30  
POSTER SESSION III

15.30-16.00  
Coffee break





16.00-17.20

**Symposium 9**

LEARNING AND MEMORY IN MUSICAL DISORDERS

Psyche Loui and Isabelle Peretz (Chairs)

**Memory disorders and vocal performance**

Simone Dalla Bella

WSFiZ, Warsaw, Poland

BRAMS, Montreal, Canada

**Congenital Amusia: is there potential for learning?**

Lauren Stewart

Department of Psychology

Goldsmiths, University of London

London, UK

**Behavioural and neural correlates of normal and disordered music learning ability**

Psyche Loui

Beth Israel Deaconess Medical Center

Harvard Medical School

Boston, USA

**Learning speech but not musical sounds in congenital amusia**

Isabelle Peretz

International laboratory for Brain, Music and Sound research (BRAMS)

Université de Montréal

Montreal, Canada

17.20

Film Festival Previews / Panel Discussion / Closing Thanks

Program changes

The Organizing Committee reserves the right to modify the program according to scientific or organizational considerations.

