At the end of the conference, participants will:
• Become familiar with the latest advances in the basic science of brain plasticity and its application to clinical practice in neurorehabilitation.
• Learn how brain plasticity processing is altered in healthy aging and in neurological and neuropsychiatric conditions.
• Understand current evidence and the techniques used in neurorehabilitation for assessment and treatment of the cognitive changes secondary to a wide range of disorders.

Pre-conference workshops:
The clinical and scientific workshops will combine interactive lectures and hands-on practice to help participants learn and gain experience with the different methodologies and techniques.

Conference:
The Conference will consist of three days of formal presentations by leading researchers in the fields of cognitive and affective neuroscience, brain plasticity, neurorehabilitation, neuroimaging, and affective clinical research.

Questions:
A 5-minute Q&A period will take place after each presentation. In addition, questions will be taken during the formal Q&A period ending each session.

Poster Session:
Posters will be available for viewing during the refreshment and lunch breaks. There will be a formal poster session on March 4 and 5.

Lunch Breaks: Please note that registrants are expected to make their own arrangements.

Researchers, clinicians, health professionals, fellows, residents and students in the areas of cognitive and affective neuroscience, neuropsychology, geriatrics and psychology who wish to learn current thinking and recent advances in brain rehabilitation.

The Conference Planning Committee reserves the right to make necessary changes to this program. Every effort will be made to keep presentations and speakers as represented, however, unforeseen circumstances may result in the substitution or cancellation of a presentation topic or speaker.
23rd ANNUAL NEUROSCIENCE CONFERENCE

BRAIN PLASTICITY & NEUROREHABILITATION

MONDAY, MARCH 4

8AM  Registration Opens & Breakfast (8-9)

9AM  Welcoming Remarks (9-9.15)
     Dr. Anthony R. McIntosh, Rotman Research Institute
     Keynote: Harnessing the power of neuroplasticity for intervention (9.15-10)
     Dr. Ryan Koh, University of Lethbridge, Canada

10AM  Session 1: Physiological Interventions: Neurofeedback, Pharmacology and Neuromodulation (10-10:30)
     Dr. David Cusack, Cardiff University, UK

10:30  Refreshment Break (10:30-11)

11AM  Session 1: Physiological Interventions: Neurofeedback, Pharmacology and Neuromodulation
     Dr. Dale Corbett, University of Ottawa, Canada
     Dr. Clement Hamani, University of Toronto, Canada

12PM  Session 1: Moderated Discussion (12-12:30)
     Dr. Sandra Black, Rotman Research Institute; Sunnybrook Research Institute

12:30  Lunch Break (not provided) (12:30-2)

2PM  Session 2: Behavioural Interventions: Computerized, Mindfulness, Music, Occupation
     Dr. Adam Dawson, University of Western Ontario, Canada
     Dr. Adam Anderson, University of Toronto, Canada

3:30  Refreshment Break (3:30-3:30)

4PM  Session 2: Behavioural Interventions: Computerized, Mindfulness, Music, Occupation
     Dr. Sylvain Moreno, Rotman Research Institute
     Dr. Elizabeth Rochon, University of Toronto, Canada

5PM  Session 2: Moderated Discussion (4:30-5)
     Dr. Jennifer Ryan, Rotman Research Institute

6PM  Poster Session, Welcome Reception (5-6:30)

7PM

TUESDAY, MARCH 5

8AM  Registration Opens & Breakfast (8-8:45)

9AM  Keynote: Cortical Plasticity Within and Across Lifetimes: A Comparative Approach (8:45-9:30)
     Dr. Leah Krubitzer, University of California, Davis, USA

Session 3: Change Assessment: Microstructure and System Neuroimaging, Behavioural and Population Neuroscience
     Dr. Jean Chen, Rotman Research Institute (9:30-10)
     Dr. Richard Gerlicher, Northwestern University, USA (10-10:30)

10AM  Refreshment Break (10:30-11)

11AM  Session 3: Change Assessment: Microstructure and System Neuroimaging, Behavioural and Population Neuroscience
     Dr. Tomasi Piazza, Rotman Research Institute (11-11:30)
     Dr. Miki D’Espozo, University of California, Berkeley, USA (11:30-12)

12PM  Session 3: Moderated Discussion (12-12:30)
     Dr. Brian Levine, Rotman Research Institute

12:30  Lunch Break (not provided) (12:30-2)

2PM  Session 4: Mechanisms of Change: System-level Training, Focal Stimulation, Systemic Neurodegeneration, Top-down Cross-system Changes
     Dr. Nina Kraus, Northwestern University, USA (2-2:30)
     Dr. Alona Poochirala-Lorenz, Harvard Medical School, USA (2:30-3)

3:30  Refreshment Break (3:30-3:30)

4PM  Session 4: Mechanisms of Change: System-level Training, Focal Stimulation, Systemic Neurodegeneration, Top-down Cross-system Changes
     Dr. Rick Eckert, University of Toronto, Canada (3:30-4)
     Dr. Adam Gazzaz, University of California, San Francisco, USA (4-4:30)

5PM  Session 4: Moderated Discussion (4:30-5)
     Dr. Kris Novak and Gordon Winsor, Rotman Research Institute
     Poster Session (5-6)

6PM  Poster Session, Welcome Reception (5-6:30)

7PM

WEDNESDAY, MARCH 6

8AM  Registration Opens & Breakfast (8:30-9:15)

9AM  Keynote: Principles of Cognitive Neurorehabilitation (9:15-10)
     Dr. Barbara Wilson, Cambridge University, UK

Session 5: Neuroplasticity and Neurorehabilitation of Specific Cognitive Domains: Memory, Language and Executive Functions
     Dr. Asaf Gilboa, Rotman Research Institute, Canada (11-11:30)
     Dr. Eva Svedbom, Baycrest, Canada (11:30-12)

10AM  Refreshment Break (11:30-11:30)

11AM  Session 5: Neuroplasticity and Neurorehabilitation of Specific Cognitive Domains: Memory, Language and Executive Functions
     Dr. Fredeneh Pulmakan, Free University Berlin, Germany (11:30-12)
     Dr. Elizabeth Fisch, University of Toronto, Canada (12:12:30)

12PM  Lunch Break (not provided) (12:30-2)

2PM  Session 5: Neuroplasticity and Neurorehabilitation of Specific Cognitive Domains: Memory, Language and Executive Functions
     Dr. Don Stuss, Rotman Research Institute, Canada
     Dr. James Fisk, University of Ottawa, Canada
     Dr. Elizabeth Rochon, University of Toronto, Canada

3:30  Session 5: Moderated Discussion (3:30-4)
     Dr. Jeff Mattar, Rotman Research Institute

4PM  Closing remarks
     Dr. Diederik Damen, Rotman Research Institute

5PM

CALL FOR POSTERS

(Submit by December 15, 2012)

Posters on research focused on brain plasticity and neurorehabilitation are invited.
Submission form is available on conference website and must be in exact accordance with instructions.
posters@research.baycrest.org

REGISTER TODAY! (Space is limited)
To register on-line please visit: research.baycrest.org/conference
To register by mail, please use the enclosed registration form.

For additional information, you can contact Paula Ferreira at p.ferreira@baycrest.org or call 416-785-2500 ext. 2363

VENUES:
Conference: The Westin Harbour Castle, 1 Harbour St., Toronto, ON, Canada.
Pre-conference Workshops: Baycrest, 3560 Bathurst Street Toronto, ON, Canada.
Please see conference website for information on booking code and accommodations, as well as transportation for pre-conference workshops.

PRE-CONFERENCE WORKSHOPS

SUNDAY, MARCH 3 9:00am-5:00pm
Workshop A: The Memory & Aging Program
Led by Dr. Angela Traynor & Dr. Susan Vandermornis

Workshop B: Smarter Aging Program (SAP)
Led by Dr. Sylvain Moreno, Dr. Aline Moustard & Barbara K. Byczko

Workshop C: Learning the Ropes for MCI
Led by Dr. Kelly Murphy, Dr. Gillian Rowe & Renee Climans

Workshop D: Conducting Neurocognitive Intervention Research: Lessons from the field
Led by Rotman Research Institute scientists.