

#### INTENDED AUDIENCE

Psychiatrists, neurologists, general practitioners, researchers, residents, students, and other mental health professionals.

#### ADDRESS FOR THE CONFERENCE

Douglas Mental Health University Institute  
William E. Stavert Amphitheatre  
Douglas Hall Pavilion  
6875, LaSalle Blvd. District of Verdun  
Montreal (Quebec) H4H 1R3

#### REGISTRATION FEES

Fees include breakfast, health breaks, lunch, documentation and taxes.

#### REGISTRATIONS RECEIVED BEFORE SEPT. 27TH, 2010

Physicians or other professionals  275\$

Residents and students  125\$

(I.D. card obligatory) \_\_\_\_\_

#### REGISTRATIONS RECEIVED AFTER SEPT. 27TH, 2010

Physicians or other Professionals  325\$

Residents and students  150\$

For more details, see registration form.

#### NOTES

Places are limited, first come, first served.

On site registration will **NOT BE GUARANTEED**.

#### CONFIRMATION

No confirmation of registration will be sent.

#### ATTENDANCE

A certificate of attendance will be distributed to all participants by email after the conference.

#### ACCREDITATION

This event will be accredited by the Continuing Medical Education (McGill). General practitioners can claim their credits towards Section 1 of the Fédération des médecins omnipraticiens du Québec (FMOQ). All participants must sign the attendance sheet available on site in order to receive accreditation.

#### CANCELLATION

For all written cancellations received on or before September 27th, 2010 an amount of \$50 will be retained. After September 27th, **NO REFUND** will be issued.

#### PARKING

Parking is available, at a rate of \$3 per day (payable on site, cash or credit card)

## R A B S 2010 CONFERENCE

October 7-8, 2010

### REGISTRATION FORM

Last Name \_\_\_\_\_

First Name \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_

Postal Code \_\_\_\_\_

Phone \_\_\_\_\_ Ext. \_\_\_\_\_

Fax \_\_\_\_\_

Email (**Obligatory**) \_\_\_\_\_

Occupation \_\_\_\_\_

Employer \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_

Postal Code \_\_\_\_\_

#### CHEQUE SHOULD BE MADE PAYABLE TO:

Research Centre  
Douglas Mental Health University Institute

AND Forwarded (Postmarked),

**NO LATER THAN SEPTEMBER 27TH, 2010 TO:**

Douglas Mental Health University Institute

Attention: Mrs Elaine Mancina

Organization of Academic Events

Perry Pavilion, Room E-4501

6875 LaSalle Boulevard

Montreal, (Quebec) H4H 1R3

#### FOR ADDITIONAL INFORMATION

Elaine Mancina Tel: 514-762-3029

Fax: 514-762-3039

Email: event.acad@douglas.mcgill.ca

Website: www.douglas.qc.ca

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an unrestricted educational grant from



# R A B S 2010 RECENT ADVANCES IN BRAIN STIMULATION October 7th and 8th, 2010

Montreal, Quebec

Douglas Mental Health University Institute  
(Douglas Hall Pavilion)

Conference organized by:

Department of Psychiatry,

McGill University, Brain Imaging Centre and

Neuromodulation Program,

Douglas Mental Health University Institute.



# R A B S 2 0 1 0

## Recent Advances in Brain Stimulation OCTOBER 7-8, 2010

### ORGANIZING COMMITTEE

Drs MARCELO T. BERLIM, MARTIN LEPAGE, Z. JEFF DASKALAKIS, HANI ISKANDAR AND MRS. ELAINE MANCINA.

### Chairmen's Message

The past 15 years have witnessed the development of exciting new ways for treating a number of psychiatric and neurological illnesses with the use of non-invasive brain stimulation techniques. These novel techniques hold the promise of not only revolutionizing the therapeutics of conditions like major depression and stroke, but are also shedding new light into their neurobiological basis.

We are pleased to invite you to attend this unique conference, which will assemble national and international experts in the fields of brain stimulation in psychiatry and neurology. They will provide us with the latest clinical and research advances on the use of these neuromodulatory techniques (such as repetitive transcranial magnetic stimulation [rTMS]) for treating conditions like bipolar disorder and schizophrenia. Moreover, new cutting-edge developments, such as deep transcranial magnetic stimulation (DTMS), will be thoroughly reviewed by our world-class speakers. Finally, during this conference you will be offered a unique opportunity to observe and experiment with some of these brain stimulation techniques through practical "hands-on" workshops carried out by experts in the field.

Drs MARCELO T. BERLIM, MARTIN LEPAGE, Z. JEFF DASKALAKIS

### OBJECTIVES

- To review the physics, neurobiological basis, basic principles and safety aspects of the most promising non-invasive brain stimulation techniques
- To present the latest findings on the clinical use of rTMS for treating major depression, bipolar disorder, schizophrenia, and anxiety disorders
- To provide clinicians and researchers alike with a review of the clinical utility and research background of novel neuromodulatory techniques such as deep transcranial magnetic stimulation (DTMS) and transcranial direct current stimulation (tDCS)
- To provide insight into the use of non-invasive brain stimulation techniques in stroke rehabilitation and for cognitive enhancement

## THURSDAY – OCTOBER 7th 2010

Activity Coordinator:  
Martin Lepage, PhD  
McGill University, Canada

### 8:30 – 9:00 REGISTRATION AND BREAKFAST

9:00 – 9:15 Welcome and Overview  
Martin Lepage, PhD  
McGill University, Canada

9:15 – 10:00 History and Physics of rTMS and tDCS  
Risto Ilmoniemi, PhD  
Helsinki University, Finland

10:00 – 10:45 rTMS: General Principles and Safety Issues  
Robert E. W. Chen, MB, MSc  
University of Toronto, Canada

### 10:45 – 11:00 HEALTH BREAK

11:00 – 11:45 rTMS for Major Depression and Bipolar Disorder  
Ziad H. Nahas, MD  
Medical University of South Carolina, USA

11:45 – 12:30 rTMS for Schizophrenia and other Psychotic Disorders  
Z. Jeff Daskalakis, MD, PhD, FRCP  
University of Toronto, Canada

### 12:30 – 13:30 LUNCH (provided)

Activity Coordinator:  
Marcelo T. Berlim, MD, MSc  
McGill University, Canada

13:30 – 14:15 rTMS for Anxiety Disorders  
Antonio Mantovani, MD, PhD  
Columbia University, USA

14:15 – 15:00 Combining Brain Stimulation and Neuroimaging: Challenges and Perspectives  
Sven Bestmann, PhD  
University College London, UK

### 15:00 – 15:15 HEALTH BREAK

15:15 – 16:00 Brain Stimulation and Cognitive Enhancement  
Z. Jeff Daskalakis, MD, PhD, FRCP  
University of Toronto, Canada

16:00 – 16:45 Deep Transcranial Magnetic Stimulation (DTMS): Principles and Applications  
Abraham Zangen, PhD  
Weizmann Institute of Science, Israel

## FRIDAY – OCTOBER 8th, 2010

Activity Coordinator:  
Z. Jeff Daskalakis, MD, PhD, FRCP  
University of Toronto, Canada

### 8:30 – 9:00 REGISTRATION AND BREAKFAST

9:00 – 9:45 Brain Stimulation and Functional Recovery after Stroke  
Leonardo G. Cohen, MD  
National Institute of Neurological Disorders and Stroke, USA

9:45 – 10:30 Transcranial Direct Current Stimulation (tDCS): Principles and Applications  
Felipe Fregni, MD, PhD  
Harvard University, USA

### 10:30 – 10:45 HEALTH BREAK

10:45 – 11:30 The Future of Brain Stimulation in Neurology and the Neurosciences  
Alvaro Pascual-Leone, MD, PhD  
Harvard University, USA

11:30 – 12:15 The Future of Brain Stimulation in Psychiatry and Mental Health  
Mark S. George, MD  
Medical University of South Carolina, USA

### 12:15 – 13:30 LUNCH (provided)

### 13:15 – 16:30 "HANDS-ON" WORKSHOPS

• tDCS  
Felipe Fregni, MD, PhD  
Harvard University, USA

• rTMS and Deep TMS  
Abraham Zangen, PhD  
Weizmann Institute of Science, Israel  
Marcelo T. Berlim, MD, MSc  
McGill University, Canada

• Neuronavigation  
Z. Jeff Daskalakis, MD, PhD, FRCP  
University of Toronto, Canada

### 15:00 – 15:30 HEALTH BREAK

### 16:30 Closing Remarks

Martin Lepage, PhD  
McGill University, Canada  
Z. Jeff Daskalakis, MD, PhD, FRCP  
University of Toronto, Canada  
Marcelo T. Berlim, MD, MSc  
McGill University, Canada

NOTES: All presentations will be in English.  
Question and Answer periods will be in English and French.