

# Application Form:

(please type or print name and credentials exactly how you would like it to appear on the certificate of attendance)

Name: \_\_\_\_\_

Profession: \_\_\_\_\_

Mailing Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

City/State \_\_\_\_\_ Zip \_\_\_\_\_

Daytime Phone # \_\_\_\_\_

Fax # \_\_\_\_\_

Email \_\_\_\_\_

## Please Check Method of Payment (\$695 per person)

Check \_\_\_\_\_ VISA \_\_\_\_\_ M/C \_\_\_\_\_

Credit Card # \_\_\_\_\_

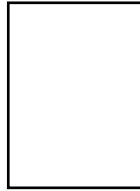
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Signature \_\_\_\_\_

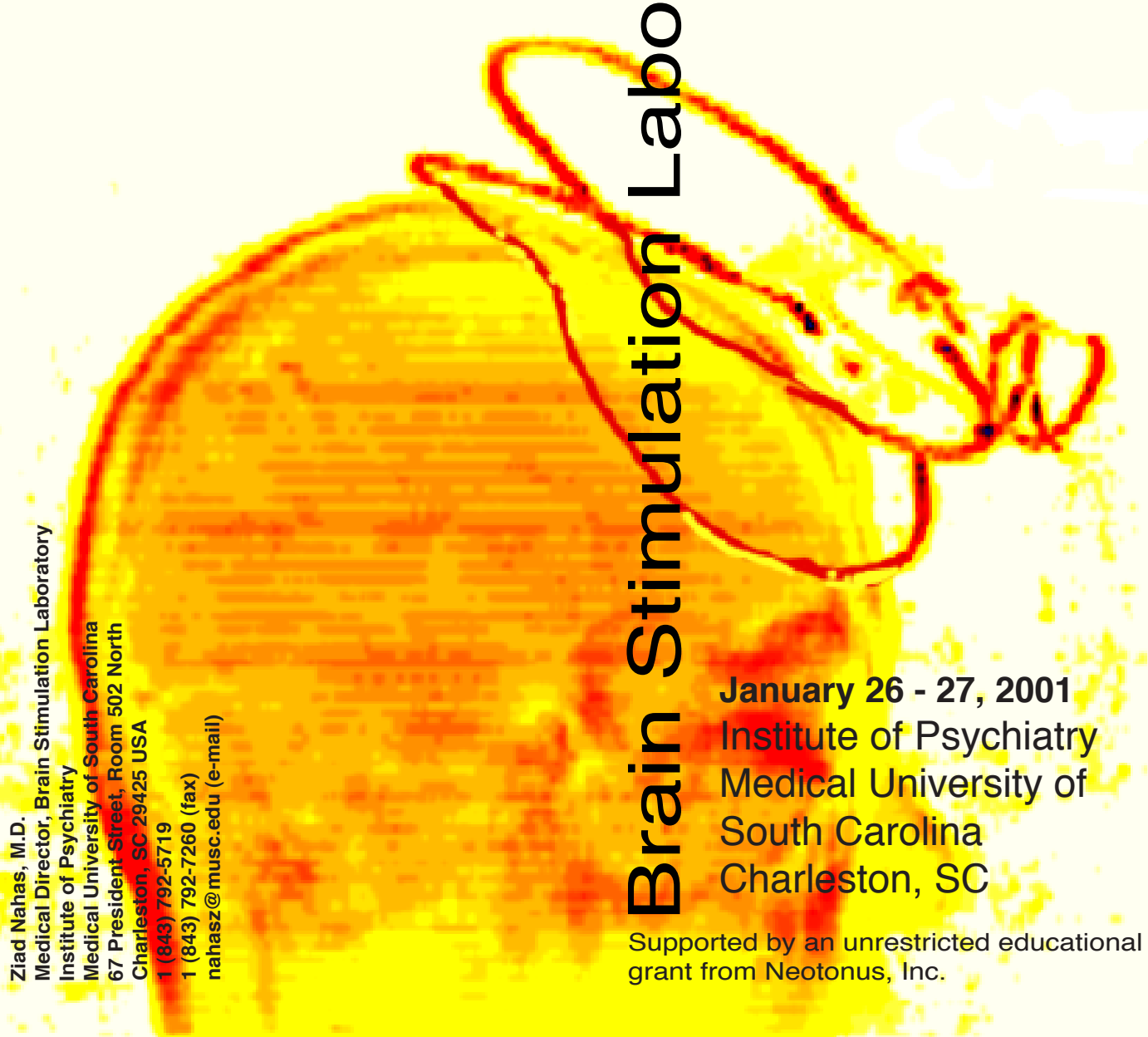
Checks should be made payable to :  
Brain Stimulation Lab - MUSC.  
Registrations should be mailed to :  
Ziad Nahas, M.D., Brain Stimulation Lab.  
67 President Street, Room 502 North,  
Charleston, SC 29425 USA.

**All applicants are also encouraged to contact Dr. Nahas to register via phone: 1(843) 792-5719 or email: nahasz@musc.edu**

Hotel Reservations are made by the applicant. BSL can provide some recommendations for location and price ranges.



Ziad Nahas, M.D.  
Medical Director, Brain Stimulation Laboratory  
Institute of Psychiatry  
Medical University of South Carolina  
67 President Street, Room 502 North  
Charleston, SC 29425 USA  
1 (843) 792-5719  
1 (843) 792-7260 (fax)  
nahasz@musc.edu (e-mail)



# Brain Stimulation Laboratory

2-day mini fellowship  
**Introduction to  
Transcranial Magnetic  
Stimulation**

**January 26 - 27, 2001**  
Institute of Psychiatry  
Medical University of  
South Carolina  
Charleston, SC

Supported by an unrestricted educational grant from Neotonus, Inc.

# Introduction to Transcranial Magnetic Stimulation

## PROGRAM

**Location: Institute of Psychiatry, 5th floor North  
Day ONE – Friday January 26, 2001**

8:00 - 8:30 Continental breakfast & Registration

8:30 - 9:00 Welcome and historical perspective  
Mark S. George, M.D.

9:00 - 10:15 Physics of TMS  
Daryl E. Bohning, Ph.D.

10:15 - 10:30 Coffee break

10:30 - 11:45 Neurophysiology of TMS  
Charles M. Epstein, M.D.

11:45 - 1:00 Safety concerns with TMS  
Jeffrey P. Lorberbaum, M.D.

1:00 - 2:30 Lunch (provided)

3:00 - 5:00 Hands-On TMS  
Small Groups TMS training

5:00 Adjourn

**Day TWO – Saturday January 27, 2001**

8:00 - 8:30 Continental breakfast

8:30 - 10:15 Neuropsychiatric Application of TMS  
Ziad Nahas, M.D.

10:15 - 10:30 Coffee break

10:30 - 12:00 Mechanisms of Actions  
Mark S. George, MD

12:00 - 1:00 Case study and Research design

1:00 - 2:30 Lunch (provided)

3:00 - 5:00 Hands-On TMS  
Small Groups

5:00 Adjourn

## GOALS / OBJECTIVES

At the completion of this program, you will be able to administer TMS (including delivering sham TMS), describe the physics of inducing a non-invasive neuronal depolarization and the effects of TMS on different brain areas, list the safety requirements, address and avoid potential side effects, describe the results of clinical trials in mood and other neuro-psychiatric disorders.

## TARGETED AUDIENCE

Neurophysiologist, Psychiatrist, Neurologist, Clinical Mental Health Practitioners, Clinical Researchers, Neuroimagers and Neuroscientists will find this program valuable.

## ACCREDITATION STATEMENT

The Medical University of South Carolina is accredited by the Accreditation Council for Continuing Medical Education, ACCME, to provide continuing medical education for physicians.

## CREDIT DESIGNATION

The Medical University of South Carolina designates this educational activity for a maximum of 12.50 hours in Category 1 credit towards the AMA Physician's Recognition Award. Each physician should claim only those hours of credit that he/she actually spent in the educational activity.

## REGISTRATION

You may register by mailing the registration form to Ziad Nahas, MD, Medical Director, Brain Stimulation Lab., IOP, 67 President St. Room 502 N, Charleston, SC 29425, USA - or simply by calling Dr Nahas at 1(843) 792-5719 or emailing him at nahasz@musc.edu

## DISCLOSURE STATEMENT

The Medical University of South Carolina adheres to ACCME Standards regarding industry support of continuing medical education, and disclosure of faculty and commercial support relationships, if any, will be made known at the conference.

## PROGRAM ORGANIZER

Ziad Nahas, M.D.

## FACULTY

**Daryl E. Bohning, Ph.D.**

Professor of Radiology  
MR Advanced Development  
Functional Research Neuroimaging Division  
Medical University of South Carolina  
Charleston, SC USA

**Chip M. Epstein, M.D.**

Professor of Neurology  
Emory University  
Atlanta, GA USA

**Mark S. George, M.D.**

Professor of Psychiatry, Neurology and Radiology  
Director, Brain Stimulation Laboratory  
Director, Functional Research Neuroimaging  
Division  
Medical University of South Carolina  
Charleston, SC USA

**Jeffrey P. Lorberbaum, M.D.**

Psychiatric Neuroscience Fellow  
Ralph H. Johnson Veterans Affairs  
Charleston, SC USA

**Ziad Nahas, M.D.**

Assistant Professor  
Medical Director, Brain Stimulation Laboratory  
Medical University of South Carolina  
Charleston, SC USA

## ACKNOWLEDGMENT

We would like to thank Neotonus, Inc. for their support of this program through an unrestricted educational grant. <http://www.neotonus.com>

## DISCLAIMER

**TMS is an investigational device not yet approved for clinical use. Research with TMS in the US requires Investigational Device Exemption by the FDA.**

**BRAIN STIMULATION LABORATORY - MUSC**

<http://www.musc.edu/psychiatry/fnrd/tms.htm>