

# **The Massachusetts Neuropsychological Society Presents:**

## **The Sixteenth Annual Science Symposium and Poster Session**

**Tuesday, June 5, 2007 at 6:00 PM**

Arthur M. Sackler Center for Health Communications  
Tufts University School of Medicine  
145 Harrison Avenue, Boston, MA

Registration, Reception & Poster Session – Rooms 826/827 & 829/830, 8th floor of Sackler Center (6:00 PM)  
Lecture – Sackler Auditorium A, 1<sup>st</sup> floor of Sackler Center (7:30 PM)

### **Keynote Speaker:**

**Stephen M. Rao, Ph.D.**

### ***The Role of fMRI in Preclinical Detection of Neurodegenerative Disorders***

Functional magnetic resonance imaging (fMRI), a completely noninvasive tool for mapping human brain function, was developed almost 15 years ago. fMRI has become the imaging tool of choice for imaging sensory, motor, cognitive, and emotional functions because it is relatively easy to perform, is reproducible and sensitive, does not involve the use of exogenous contrast agents, can be performed with the majority of existing MR scanners, and yields superior temporal and spatial resolution relative to other functional imaging techniques. In recent years, this imaging tool has been used to further our understanding of the preclinical changes that occur in individuals at the very earliest stages of neurodegeneration (i.e., prior to the advent of neuropsychological impairment). The eventual goal of this research is to improve clinical diagnosis and, more importantly, to validate fMRI as an imaging tool for assessing the effects of therapeutic interventions at an early stage of the disease process. Dr. Rao will focus on task-activated fMRI studies conducted in cognitively intact individuals in the preclinical stages of Alzheimer's and Huntington's diseases. He will also review fMRI findings conducted in patients recently diagnosed with Parkinson's disease and multiple sclerosis. In January of 2007, fMRI-specific CPT codes went into effect for the presurgical mapping of patients with brain tumors and epilepsy. Whether fMRI CPT codes should be expanded to include the assessment and monitoring of neurodegenerative disorders is debatable. Dr. Rao's presentation will critically examine the evidence for and against the use of fMRI as a clinical tool in preclinical neurodegenerative disorders.

Stephen M. Rao, Ph.D., ABPP-Cn is the Ralph and Luci Schey Chair and Director of the Schey Center for Cognitive Neuroimaging at the Cleveland Clinic. He obtained his Ph.D. in Clinical Psychology from Wayne State University (Detroit) in 1979 and completed a predoctoral internship at Rush-Presbyterian-St. Luke's Medical Center (Chicago). He has authored over 115 scientific papers and book chapters and edited three books. Since 1993, his research has used functional magnetic resonance imaging (fMRI) to study human motor control; temporal perception; working, episodic, and semantic memory; and conceptual reasoning in healthy subjects and patients with Parkinson's Disease, Huntington's Disease, Alzheimer's Disease, multiple sclerosis, and Attention Deficit Hyperactivity Disorder. He has been a recipient of an NIH Research Career Development Award and has received funding from NINDS, NIMH, NIA, Charles A. Dana Foundation, and National Multiple Sclerosis Society. He is the Editor of *Neuropsychology*, has served as the Associate Editor of the *Journal of the International Neuropsychological Society*, and has been a member of the editorial boards of six other journals. He has been elected to the board of trustees of the International Neuropsychological Society (INS) and the board of directors of the American Board of Clinical Neuropsychology, and was chairman of the scientific program committee for the 1992 INS meeting in San Diego.

Fees: (payable to: Massachusetts Neuropsychological Society). At registration, you may choose from the following two options:

1. Hors D'oeuvres & Symposium (parking not included):
  - a. MNS Members \$20.00
  - b. Non-MNS Members \$30.00
  - c. Student MNS Members (with Student ID) \$10.00
  - d. Student Non-MNS Members (with Student ID) \$15.00
  
2. Hors D'oeuvres, Symposium and 1.5 CE Credits (parking not included):
  - a. MNS Members \$40.00
  - b. Non-MNS Members \$50.00

***Please Note:** There will be no free lecture for MNS members, and members must be current in their MNS dues by the time of the Symposium to pay at Member rates. MNS member rates will also be extended to members of the Massachusetts Psychological Association (MPA). There is no charge for Symposium Presenters.*

**Registration will take place at the Symposium**

The Massachusetts Neuropsychological Society is approved by the American Psychological Association to offer continuing education for psychologists. The Massachusetts Neuropsychological Society maintains responsibility for the program.

**For membership information, please check the MNS website at <http://www.massneuropsychology.org>**

# MASSACHUSETTS NEUROPSYCHOLOGICAL SOCIETY

## CALL FOR POSTERS

### **THE 16th ANNUAL SCIENTIFIC SYMPOSIUM AND POSTER SESSION**

**TUESDAY, JUNE 5, 2007**

KEYNOTE SPEAKER:

**Stephen M. Rao, PhD**

The Massachusetts Neuropsychological Society (MNS) is pleased to announce its Sixteenth Annual Scientific Symposium and Poster Session. The poster session will provide a forum for young researchers in neuropsychology to share their work with local scientists and clinicians, and an opportunity for our membership to keep abreast of current neuropsychological research. The symposium will include a keynote address by Dr. Stephen Rao entitled "*The Role of fMRI in Preclinical Detection of Neurodegenerative Disorders.*" The evening will begin with a poster review session at 6:00pm and a light buffet dinner. Dr. Rao's address will begin at 7:30pm. **There will be a charge of \$20.00 for all members (\$30.00 for non-members), except for members who are students and fellows (student id required) who are invited to attend for \$10.00 (\$15.00 for non-member students or fellows). MNS member rates will also be extended to members of the Massachusetts Psychological Association (MPA).** CEU credits are also available (at additional expense). Detailed information about the location site, which will be the **Arthur M. Sackler Center for Health Communications at the Tufts University School of Medicine** this year, will be mailed separately.

We are now calling for submission of poster abstracts from any area of neuropsychological research. Research that represents a collaborative effort and/or work that has been previously presented at other meetings is welcome. Accepted posters will be displayed during the reception period prior to Dr. Rao's address. Standard 4' X 8' format will be used. An MNS review committee will enter all posters having a student or fellow as senior author into a judging competition. **One student/fellow will be awarded the Nelson Butters Award for Scholarship in Neuropsychology for best poster, along with a cash prize of \$250.00.** Please note: poster submissions are welcomed from all; however, *only student/fellow first authors* will be eligible for the Nelson Butters Award.

**DEADLINE FOR RECEIPT OF ABSTRACTS IS: Friday, MAY 18, 2007.**

**Please submit poster abstracts electronically to Raquella Mesholam-Gately, Ph.D., at [rmeshola@bidmc.harvard.edu](mailto:rmeshola@bidmc.harvard.edu). If you do not have an electronic version of the abstract form, be sure to include the information requested on the form. Feel free to e-mail or call 617-626-9409 if you have any questions.**

Please encourage all your colleagues to submit abstracts. Don't forget to block off Tuesday evening, June 5, 2007 on your calendars!

**MASSACHUSETTS NEUROPSYCHOLOGICAL SOCIETY**

**THE SIXTEENTH ANNUAL SCIENTIFIC SYMPOSIUM AND POSTER SESSION**

**June 5, 2007**

Please use the box provided **or** send an abstract of similar length with the information requested below. Use single line spacing. Poster format: 4'x 8'. E-mail to Raquelle Mesholam-Gately, Ph.D. at [rmeshola@bidmc.harvard.edu](mailto:rmeshola@bidmc.harvard.edu) or mail to Raquelle Mesholam-Gately, Ph.D., Massachusetts Mental Health Center, Shattuck Hospital Campus, 180 Morton Street, Jamaica Plain, MA 02130 by **May 18, 2007**. You will receive notification of acceptance by e-mail or phone. Call Raquelle Mesholam-Gately at 617-626-9409 if you have questions.

Title of Poster:

Author(s):

Is the Presenting Author a Student or Research Associate?: Yes      No

Affiliation(s):

Mailing address:

Daytime Telephone/Fax and Email address:

Abstract:

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**MASSACHUSETTS NEUROPSYCHOLOGICAL SOCIETY**

**THE SIXTEENTH ANNUAL SCIENCE SYMPOSIUM AND POSTER SESSION**

**June 5, 2007**

**Information for Poster Presenters**

- 1) Plan on 4' x 8' poster dimensions.
- 2) The poster session will take place in rooms 829/830 of the Arthur M. Sackler Center for Health Communications at the Tufts University School of Medicine (145 Harrison Avenue, Boston, MA).
- 3) Plan on arriving at 5:30 PM to put up your poster.
- 4) The session will start formally at 6:00 PM.
- 5) You can put your poster up on any available board.
- 6) Bring your own thumbtacks.
- 7) The session will end promptly at 7:15 PM to encourage people to start moving downstairs to Sackler Auditorium A for Dr. Rao's lecture.
- 8) The winner of the Nelson A. Butters Award for best poster presented by a student will be announced before Dr. Rao's lecture begins.
- 9) If questions arise, contact Raquelle Mesholam-Gately, Ph.D. at [rmeshola@bidmc.harvard.edu](mailto:rmeshola@bidmc.harvard.edu), or at 617-626-9409.