

**AMERICAN SOCIETY
of
FUNCTIONAL NEURORADIOLOGY**

**In Joint Sponsorship with:
Continuing Medical Education
Medical College of Wisconsin
Milwaukee, Wisconsin**

**1st ANNUAL MEETING
APRIL 19-22, 2007**

**CARIBE ROYALE Orlando
ORLANDO, FLORIDA**



Meeting Description and Objectives

This 2-1/2 day course promises to be a very exciting and practical meeting. It is designed for Neuroradiologists, Neurosurgeons and others interested in the clinical translation and applications of advanced imaging technologies. Topics will include the latest Molecular Imaging, MEG, fMRI, DTI and Perfusion Imaging applications.

Upon completion of the meeting, participants should be able to:

1. Describe the physical basis of advanced functional and physiological imaging techniques, such as fMRI, DTI, PET, MEG, and Perfusion Imaging.
2. Become familiar with the clinical applications and limitations of advanced functional and physiological imaging techniques.
3. Discuss how to translate clinically advanced functional and physiological imaging techniques.
4. Select and apply fMRI paradigms.
5. Be conversant with the economic and billing issues surrounding functional and physiological imaging.

Accreditation: This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the Medical College of Wisconsin (MCW) and American Society of Functional Neuroradiology (ASFNR). MCW is accredited by the ACCME to provide continuing medical education for physicians.

The Medical College of Wisconsin designates this educational activity for a maximum of **16.0 AMA PRA Category 1 Credits™**. Physicians should only claim credit commensurate with the extent of their participation in this activity.

Hotel Accommodations available at a discounted rate for a limited time

Caribe Royale, Orlando, Florida (www.cariberoyale.com)

One-bedroom suites with separate living room
High Speed Internet Access in All Rooms
Two Lounges, Pool Bar and Grill
250,000 gallon freeform pool with 75-foot water slide
Three whirlpool spas,
Two lighted tennis courts
State-of-the-art Fitness Center,
Hi-Tech Video Arcade
Nine 18-Hole Golf Courses within 5 Miles of the Resort
Complimentary Scheduled Transportation to and from
Walt Disney World Theme Parks

Hotel Reservations

A limited number of rooms will be held through March 20, 2007 at the following rates:

Queen Double -	\$179.00
Standard King -	\$179.00
King Deluxe -	\$199.00
Executive Suite -	\$304.00

There are several convenient ways to make your room reservations.

- 1.) Contact the Caribe Royale directly at 800-823-8300, ask for reservations and give the **Group Name** of **MCOWI** or **ASFNR**.

- 2.) Or, visit their website at www.cariberoyale.com and follow these instructions:

Click on *Rates and Reservation* at the side menu Click on *Groups* Tab

At Group ID enter **3206**

Password # **37004065**

You can print out your own confirmation information.

SCIENTIFIC PROGRAM SCHEDULE

Friday, April 20, 2007 (8:45 AM to 4:55 PM)

PERFUSION IMAGING

- Physical Principles of Perfusion Imaging: MRI and CT
- MR and CT Perfusion Imaging of Stroke
- Integrated MR Perfusion in Tumors
- Nephrogenic Systemic Fibrosis: A Complication of Gadolinium

MAGNETOENCEPHALOGRAPHY

- Physical Principles of MEG
- MEG in Localization of Seizure Foci
- MEG in Presurgical Planning
- New Horizons in MEG for Functional Brain Mapping
- The Economics of MEG

MOLECULAR IMAGING

- Molecular Imaging: What is it and How Will It Affect Your Practice
- Molecular Imaging of Head and Neck Tumors
- Neuro-PET Imaging
- New Horizons in Molecular Imaging: Gene Therapy, Pharmaceutical Monitoring, PET Reported Technology, and Cell Tracking
- Panel Discussion

Saturday, April 21, 2007 8:00 AM to 4:15 PM

FUNCTIONAL MAGNETIC RESONANCE IMAGING

- Physical Principals of BOLD fMRI: What you need to know
- Paradigm Selection, Delivery and Monitoring During fMRI Examinations
- Methods of fMRI Data Analysis: The Basics
- Functional Imaging for functional neurosurgery planning in patients with *pain, tinnitus, and stroke recovery*
- Functional Anatomy, Imaging, and presurgical mapping of Motor and Premotor Systems (fMRI/DTI)
- Functional Anatomy, Imaging, and presurgical mapping of Speech and Language functions (fMRI/DTI)
- Functional Anatomy and Imaging of Memory
- Functional Anatomy, Imaging, and presurgical mapping of Vision (fMRI/DTI)
- Cortical Plasticity, Artifacts and Interpretation Pitfalls of BOLD fMRI

- The Translation of Functional Brain Imaging for Neurosurgical Applications
- Integrating DTI, fMRI, Anatomy and Perfusion for Presurgical Mapping
- Developmental Disorders and Applications of fMRI and Pediatric Patients
- BOLD fMRI in Neurodegenerative Disorders
- 1.5T Versus 3T for BOLD fMRI
- CPT Codes and the Economics of Functional Brain Mapping
- Presurgical mapping: The Neurosurgeon's perspective (Panel Discussion)

Sunday, April 22, 2007 8:00 AM to Noon

DIFFUSION TENSOR IMAGING

- Tensor Physics: What you need to know
- Diffusion Tensor Fiber Tracking: New Horizons
- DTI and the Assessment of Psychiatric Diseases
- DTI and the Assessment of Neurodegenerative Disorders
- DTI in the Pediatric Patient
- Diffusion Imaging in Brain Tumors and Treatment Response
- Future Potential and Constraints of Fiber Tracking (Panel Discussion)
- Evaluation and Adjourn

**ASFNR 1st Annual Meeting
April 19-22, 2007
Caribe Royale Resort
Orlando, Florida**

**REGISTRATION FORM
(Deadline: March 30, 2007)**

(Please type or print legibly)

Name: Last **First** **Credential/Degree**

Institution _____

Street Address _____

City/State/Zip Code _____

MCW Faculty/Department (if applicable) _____

E-Mail Address are required in order to receive registration confirmation

Name of Spouse/Guest Attending, (if applicable) _____

Registration Fee (please circle one)

ASFNR Members \$195.00

ASNR Members \$220.00

Non-ASNR/ASFNR Members - \$245.00

Residents & Fellows (with documentation of residency and fellowship) \$195.00

NO REFUNDS Will Be Given After March 20, 2007

Form of Payment

___ Check/Money Order ___ Visa ___ MasterCard

Credit Card Number _____

Expiration Date _____ **Signature** _____

HOW TO REGISTER:

Fax completed Registration Form with Credit Card Information (card number, expiration date, name as it appears on the card) to **Marlyn Colegrove, Medical College of Wisconsin: 414-259-9290** or call **(414) 805-2378 OR**

Mail completed Registration with check made payable to *Medical College of Wisconsin* to:

Froedtert Hospital
% John L. Ulmer MD, ASFNR
Department of Radiology - FEC
9200 W. Wisconsin Avenue
Milwaukee, WI 53226

Registration for meeting does not guarantee a room reservation at the *Caribe Royale*

Special Needs: In Compliance with the American with Disabilities Act, the ASFNR will make all reasonable efforts to accommodate persons with disabilities at the meeting. Additionally, if you have any dietary restrictions, you must notify us prior to the meeting.

The ASFNR registration desk at the Caribe Royale will be open from 4:00 to 6:00 PM on Thursday, April 19 if you wish to pick up your meeting packets.