



12th Annual Meeting of the

AMERICAN SOCIETY OF

FUNCTIONAL NEURORADIOLOGY

October 15-17, 2018

Hotel del Coronado
Coronado, California

20.0 AMA PRA Category 1 Credit(s)TM

**Optional BOLD Functional MRI
Hands-On Workshop**

October 14, 2018

7.25 AMA PRA Category 1 Credit(s)TM

Workshop attendance is limited to the first 25 Registrants



Please plan to attend the American Society of Functional Neuroradiology (ASFNR) 12th Annual Meeting to be held October 15-17, 2018 at the Hotel del Coronado in San Diego, California. An optional “hands-on” BOLD fMRI workshop will be conducted on October 14.

The ASFNR Annual Meeting will provide attendees with an unparalleled opportunity to receive instruction in the rapidly evolving field of functional neuroimaging and related disciplines. The program will appeal to a multidisciplinary group of professionals interested in neuroimaging including: neuroradiologists, neurologists, neurosurgeons, medical physicists, biomedical engineers, neuropsychologists, cognitive neuroscientists, clinical and research fellows, residents, doctoral and postdoctoral students, and radiology technologists.

During the 2 ½ day meeting, educational opportunities will include lectures, panel discussions, oral research paper presentations, posters, and small group study sessions. Instruction will be provided by an outstanding group of internationally recognized experts in the field.

I'm pleased to announce that this year's honorary lecturer will be Kamil Ugurbil, PhD from the Center for Magnetic Resonance Research at the University of Minnesota. Dr. Ugurbil, known for his groundbreaking work in BOLD fMRI and ultrahigh field MR imaging, will be sharing insights and perspectives gained through his integral involvement with the Human Connectome Project and the NIH BRAIN initiative.

Additional highlights of this year's program include:

- Updates on clinical BOLD fMRI for pre-surgical mapping including advanced anatomic considerations, multiband data acquisition, cerebral vascular reactivity imaging, and ultrahigh field fMRI.
- Advances in diffusion imaging including clinical application of diffusion tensor imaging and other diffusion based microstructural imaging techniques.
- New perspectives on cerebral perfusion imaging, radiogenomics, and other advanced methods of brain tumor analysis.
- An exploration of neuropsychiatric imaging.
- Best recommendations for pediatric functional neuroimaging methods.
- A look into the quickly evolving role of artificial intelligence in advanced neuroimaging.

This year, the popular pre-meeting ASFNR “Hands-On” BOLD fMRI data processing workshop, chaired by Dr. Scott Faro and Dr. Feroze Mohamed, will be expanded to include processing of resting state functional connectivity data. Registration is limited and demand is always high, so be sure to register early for this unique training opportunity.

The setting for this year's meeting is the beautiful Hotel del Coronado, an iconic beach resort across the bay from the city of San Diego. A short 20-minute drive or taxi ride from the San Diego International Airport, the facility offers a tranquil seaside setting with several dining opportunities and a beautiful beach. San Diego itself is one of the premiere tourist destinations in the United States and is famous for its wonderful weather throughout the year. The city provides a virtually endless palate of activities to satisfy all tastes. Whether your preferred leisure is outdoor adventure, athletics, fine dining, shopping, family theme parks, or simply enjoying a relaxing sunset stroll down the beach, San Diego has it all.

I look forward to seeing you at the Hotel del Coronado in October.

Kirk M. Welker, M.D.
President and Program Chair

Target Audience

This CME activity is intended to educate anyone interested in functional neuroimaging including neuroradiologists, neurologists, neurosurgeons, neuropsychiatrists, cognitive neuroscientist and psychologists, brain mapping scientists, physicists, residents, fellows, doctoral and postdoctoral students, engineers, and radiology technologists.

Scientific Sponsor

Educational Symposia

Educational Objectives

Attendees should, at the completion of this meeting, be able to:

- Understand the physics, clinical application, and limitations of the following imaging techniques: active task and resting state BOLD fMRI, diffusion-weighted imaging, diffusion tensor imaging, dynamic susceptibility contrast perfusion imaging, arterial spin labeling, and ultrahigh field MRI.
- Apply advanced diagnostic functional imaging techniques in a variety of disease processes including epilepsy, brain tumors, cerebrovascular disease, traumatic brain injury, neuropsychiatric disease, and chronic neurodegeneration.
- Describe the current and future impact of artificial intelligence on the practice of neuroradiology.
- Use advanced functional imaging techniques for the benefit of pediatric patients.

*No special educational preparation
is required for this CME activity.*

Accreditation

Physicians: This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint providership of Educational Symposia and the American Society of Functional Neuroradiology. Educational Symposia is accredited by the ACCME to provide continuing medical education for physicians.

Educational Symposia designates this live activity for a maximum of 20.0 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Technologists: This program has been submitted to the ASRT. The number of A CE credits will be available approximately 30 days prior to the meeting. Please visit asfmr.edusymp.com or call (813) 806-1000 regarding the availability of Category A CE Credit.

Registration Information

Payment of the registration fee includes all meeting materials, including a color e-syllabus (printed color syllabus is available for \$95), welcome reception, daily continental breakfasts, and refreshment breaks.

Cancellations must be received in writing. A \$75 processing fee will be applied to all cancellations. Refunds requested in writing prior to **October 4, 2018** will be issued for the amount of registration paid, less the \$75 processing fee. No refunds will be made on or after that date.



Optional BOLD Functional MRI Hands-On Workshop • October 14, 2018

About This Workshop

This workshop will provide a practical step-by-step post-processing of BOLD fMRI studies with SPM12 software and data presentation.

Target Audience

This CME activity is intended to educate neuroradiologists, neuroradiology fellows, physicists, clinical psychologists and MR technologists. The workshop is intended for those with beginner to intermediate level fMRI experience.

Educational Objectives

Attendees should, at the completion of this workshop, be able to perform the following:

- Preprocessing of BOLD fMRI Data
 - Realignment/Coregistration
 - Spatial Normalization
 - Smoothing
- Single Subject Analysis
 - Model Specification
 - Model Estimation
 - Visualization of the BOLD fMRI Data
- Resting State fMRI
 - Preprocessing of Resting state data
 - Post processing strategies

No special educational preparation is required for this CME activity.

Accreditation

Physicians: 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 providership of Educational Symposia and the American Society of Functional Neuroradiology. Educational Symposia is accredited by the ACCME to provide continuing medical education for physicians.

Educational Symposia designates this live activity for a maximum of 7.25 *AMA PRA Category 1 Credit(s)*TM. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Technologists: This program has been submitted to the ASRT. The number of A CE credits will be available approximately 30 days prior to the meeting. Please visit <http://asfmr.edusymp.com> or call (813) 806-1000 regarding the availability of Category A CE credit.

Hardware/Software Requirements

Registrants are required to bring to the workshop their own laptop with a minimum 2G of RAM and 10G of hard disk space. The machines should have preloaded SPM12 and MATLAB software prior to the workshop. DICOM BOLD fMRI practice data sets will be available at the workshop. All registrants will be given instructions on downloading SPM12 and the 15-day free MATLAB license prior to the workshop.

PROGRAM SCHEDULE

Monday, October 15, 2018

6:30 – 7:00 AM Registration, Continental Breakfast and Visit Technical Exhibits

PHYSICS PRIMERS

Moderators: Asim Z. Mian, M.D., Warren A. Stringer, M.D., Michael Iv, M.D.

7:00 – 7:20 BOLD fMRI Physics
Feroze B. Mohamed, Ph.D.

7:20 – 7:40 Diffusion Physics
Els D. Fieremans, Ph.D.

7:40 – 8:00 Perfusion (DSC/ASL) Physics
Deqiang Qiu, Ph.D.

8:00 – 8:05 Welcome
Kirk M. Welker, M.D.

BOLD TASK-BASED FMRI

Moderators: Kalliopi A. Petropoulou, M.D., Andrew J. Kalinin, M.D., Kiran S. Talekar, M.D., MBBS

8:05 – 8:25 Advanced Functional Anatomy for BOLD Presurgical Mapping
David F. Black, M.D.

8:25 – 8:45 Clinical fMRI for Presurgical Planning
Gaurang V. Shah, M.D., FACP

8:45 – 9:05 New Directions in Clinical BOLD fMRI
Kirk M. Welker, M.D.

9:05 – 9:25 Neurovascular Uncoupling and Its Impact on Task and Resting State fMRI
Jay J. Pillai, M.D.

9:25 – 9:45 Cortical Reorganization in Brain Tumor Patients: New Methods of Analysis to Address this Difficult Problem
Andrei I. Holodny, M.D.

9:45 – 9:50 Questions and Answer Session
Faculty

9:50 – 10:10 Refreshment Break and Visit Technical Exhibits

PERFUSION AND DIFFUSION IMAGING

Moderators: Mark S. Shiroishi, M.D., Mohit Maheshwari, M.D., Amit B. Desai, M.D.

10:10 – 10:30 DSC-MRI: Application to Clinical Trials and the Need for Standardization
Jerrold L. Boxerman, M.D., Ph.D., FACP

10:30 – 10:50 Arterial Spin Labeling in Clinical Practice
Jeffrey M. Pollock, M.D.

10:50 – 11:10 Quantitative MRI Biomarkers for White Matter Disease and Repair
Aaron S. Field, M.D., Ph.D.

11:10 – 11:15 Questions and Answer Session
Faculty

TRAUMATIC BRAIN INJURY

Moderators: Ibrahim S. Tuna, M.D., Christie M. Malayil-Lincoln, M.D.

11:15 – 11:35 Effects of Mild TBI on Brain Functional Connectivity
Christopher T. Whitlow, M.D., Ph.D., MHA

11:35 – 11:55 Imaging of Post-Concussive Vestibular Impairment
Jason W. Allen, M.D., Ph.D.

11:55 – 12:15 PM Imaging of Sub-Concussive Impacts
Joseph A. Maldjian, M.D.

Monday, October 15, 2018 (continued)

12:15 – 12:30 Question and Answer Session
Faculty

12:30 – 1:30 Lunch and Learn Session (TBD) or Lunch on Your Own ♦

VICTOR M. HAUGHTON, M.D. HONORARY LECTURE

1:30 – 1:35 Introduction and Haughton Award Presentation to Dr. Kamil Ugurbil, Ph.D.
Kirk M. Welker, M.D.

1:35 – 2:15 Neuroimaging in the Human Connectome Project and the BRAIN Initiative
Kamil Ugurbil, Ph.D.

2:15 – 2:20 Questions and Answer Session
Faculty

ADVANCED TUMOR IMAGING

Moderators: Noriko Salamon, M.D., Ph.D., Saman Hazany, M.D., Sohil H. Patel, M.D.

2:20 – 2:40 Newer Trends in Genomics: Paradigm Shift in Glioma Management and Its Surveillance
Rajan Jain, M.D.

2:40 – 3:00 Monitoring Cell Kill in Human Brain Tumors at 3.0 and 9.4 Tesla
Keith R. Thulborn, M.D., Ph.D.

3:00 – 3:20 PET versus Perfusion: Which is the Better Problem Solver for Brain Tumor Patients?
Whitney B. Pope, M.D., Ph.D.

3:20 – 3:40 Imaging of Brain Metastases
Timothy J. Kaufmann, M.D., MS

3:40 – 3:45 Questions and Answer Session
Faculty

3:45 – 4:05 Refreshment Break and Visit Technical Exhibits

NEUROPSYCHIATRY AND COGNITION

Moderators: Madalina Tivarus, Ph.D., Atul K. Mallik, M.D.

4:05 – 4:25 Alcohol and Cannabis: Can We See Your Brain on Drugs?
Jody Tanabe, M.D.

4:25 – 4:45 Imaging in Obsessive Compulsive Disorder
Leo Sugrue, M.D., Ph.D.

4:45 – 5:05 Functional Neuroimaging of Autism
Jeffrey S. Anderson, M.D., Ph.D.

5:05 – 5:25 Neuroimaging of Schizophrenia
John D. Port, M.D., Ph.D.

5:25 – 5:45 Panel Discussion: What Are the Obstacles to Clinical Neuropsychiatric Imaging?
Jody Tanabe, M.D., Leo Sugrue, M.D., Ph.D., Jeffrey S. Anderson, M.D., Ph.D., John D. Port, M.D., Ph.D.

5:45 Session Ends

6:00 – 6:30 Study Group Session: Diffusion/Perfusion MRI ♦

6:00 – 6:30 Study Group Session: BOLD fMRI ♦

6:30 – 8:00 Welcome Reception

Tuesday, October 16, 2018

7:00 – 8:00 AM Registration, Continental Breakfast and Visit Technical Exhibits

7:00 – 8:00 Oral Paper Presentations ♦

Moderators: Erin Simon Schwartz, M.D., FACP, Michael Zeineh, M.D., Ph.D.

8:00 – 8:05 Welcome
Kirk M. Welker, M.D.

ADVANCED IMAGING IN STROKE

Moderators: Sotirios Bisdas, MD, Ph.D., MSC, John Conklin, MD, MSC, FRCPC

8:05 – 8:25 Perfusion CT in Acute Stroke
Carlos Leiva-Salinas, M.D., Ph.D.

8:25 – 8:45 MRI in Cerebrovascular Ischemia
Seena Dehkharghani, M.D.

8:45 – 9:05 Neurointerventional Imaging and Treatment of Ischemic Stroke
Jeremy J. Heit, M.D., Ph.D.

9:05 – 9:10 Questions and Answer Session
Faculty

FUNCTIONAL CONNECTIVITY IMAGING

Moderators: Frank J. Minja, M.D., Veena A. Nair, Ph.D., Claudia F.E. Kirsch, M.D.

9:10 – 9:30 Introduction to Pre-Processing of Resting State fMRI
Joshua S. Shimony, M.D., Ph.D.

9:30 – 9:50 Dynamic Functional Connectivity Analysis Using Resting State fMRI
Harris I. Sair, M.D.

9:50 – 10:10 Refreshment Break and Visit Technical Exhibits

10:10 – 10:30 Functional Connectivity in a Spatially Heterogeneous World
T. Jason Druzgal, M.D., Ph.D.

10:30 – 10:50 Better, Stronger, Faster? Connectivity in MEG
Elizabeth M. Davenport, Ph.D.

10:50 – 10:55 Questions and Answer Session
Faculty

NEURODEGENERATION

Moderators: Michael J. Hoch, M.D., Sathish K. Dundamadappa, M.D., Judd M. Storrs, Ph.D.

10:55 – 11:15 MR Imaging of Glymphatic Flow: Results from Human Volunteers
Richard Watts, D.Phil.

11:15 – 11:35 Clinical 7T Neuroimaging and Imaging of Vascular Cognitive Impairment and Alzheimer's Dementia
Meng Law, M.D., MBBS, FRACP

11:35 – 11:55 Connectome Modeling of Alzheimer's Disease Progression
Sumit N. Niogi, M.D., Ph.D.

11:55 – 12:15 PM Preoperative Functional Targeting for Deep Brain Stimulation and Non-Invasive Lesioning
Erik H. Middlebrooks, M.D.

12:15 – 12:30 Question and Answer Session
Faculty

12:30 – 1:30 Lunch and Learn Session (TBD) or Lunch on Your Own ♦

1:30 – 1:50 ASFNR Annual Business Meeting (Members Only) ♦

Tuesday, October 16, 2018 (continued)

ADVANCES IN PEDIATRIC NEUROIMAGING

Moderators: Pradeep Krishnan, M.D., Stephen F. Kralik, M.D., Asim F. Choudhri, M.D.

- 1:50 – 2:10 Special Considerations for Imaging Children
Arastoo Vossough, M.D, Ph.D.
- 2:10 – 2:30 New Pediatric Neuroimaging Applications
Mai-Lan Ho, M.D.
- 2:30 – 2:50 Effective Protocols in Pediatric Neuroradiology
Susan Palasis, M.D.
- 2:50 – 3:10 3D Printing Technology and Applications
Sanjay P. Prabhu, MBBS, FRCR
- 3:10 – 3:15 Questions and Answer Session
Faculty

3:15 – 3:35 Refreshment Break and Visit Technical Exhibits

ARTIFICIAL INTELLIGENCE

Moderators: Albert Montillo, Ph.D., Christopher G. Filippi, M.D.

- 3:35 – 3:55 Machine Learning: A Neuroradiologist's Primer
Yvonne W. Lui, M.D.
- 3:55 – 4:15 Predicting Images with Artificial Intelligence
Greg Zaharchuk, M.D., Ph.D.
- 4:15 – 4:35 What We Can Do Now and What We Will Be Able to Accomplish with Deep Learning in Neuroradiology
Peter D. Chang, M.D.

- 4:35 – 5:00 Panel Discussion: The Future of Artificial Intelligence and Neuroradiology
Yvonne W. Lui, M.D., Greg Zaharchuk, M.D., Ph.D., Peter D. Chang, M.D.

5:00 Session Ends

- 5:00 – 6:30 Oral Paper Presentations ♦
Moderators:
Roland R. Lee, M.D., FACR, Ranliang Hu, M.D.
- 6:30 – 7:00 Study Group Sessions: Neuropsychiatric MRI ♦
- 6:30 – 7:00 Study Group Sessions: Machine Learning ♦

Wednesday, October 17, 2018

6:30 – 7:00 AM Registration, Continental Breakfast and Visit Technical Exhibits

- 7:00 – 8:00 Oral Paper Presentations ♦
Moderators:
Vinodh A. Kumar, M.D., Ronald L. Wolf, M.D., Ph.D.
- 8:00 – 8:05 Welcome
Kirk M. Welker, M.D.

EMERGING TECHNIQUES I

Moderators: Vivek Prabhakaran, M.D., Ph.D., David F. Black, M.D.

- 8:05 – 8:25 New Advances in Connectomics
Pratik Mukherjee, M.D., Ph.D.
- 8:25 – 8:45 Magnetic Particle Imaging for Neuroradiology Applications
Max Wintermark, M.D., MAS, M.B.A

Wednesday, October 17, 2018 (continued)

- 8:45 – 9:05 Update on the Clinical Implementation of BOLD MRI Cerebrovascular Reactivity Imaging
David J. Mikulis, M.D.
- 9:05 – 9:25 Translating Research Findings Into New Clinical Indications
Timothy P.L. Roberts, Ph.D.
- 9:25 – 9:45 Better Alternatives to Diffusion for Detecting Small Brainstem and Subcortical Pathways
Timothy M. Shepherd, M.D., Ph.D.
- 9:45 – 9:50 Questions and Answer Session
Faculty

9:50 – 10:10 Refreshment Break and Visit Technical Exhibits

EMERGING TECHNIQUES II

Moderators: Flavius D. Raslau, M.D, Eric Tranvinh, M.D.

- 10:10 – 10:50 Keynote Lecture: Neurite Orientation Dispersion and Density Imaging
Gary Hui Zhang, Ph.D.
- 10:50 – 11:10 7T EEG-fMRI of Epilepsy Patients, Using Paradigm Free Mapping
Stephen Jones, M.D., Ph.D.
- 11:10 – 11:15 Questions and Answer Session
Faculty

FUNCTIONAL SPINE IMAGING

Moderators: Amit Aggarwal, M.D., Daniel S. Chow, M.D.

- 11:15 – 11:35 Is DTI of the Spinal Cord Ready for Prime Time?
Scott H. Faro, M.D.
- 11:35 – 11:55 Diffusion MR of the Spine: Translation to Clinical Use
Amish H. Doshi, M.D.
- 11:55 – 12:15 PM Serum and Quantitative Imaging Correlates of Disc Disease
Christopher G. Filippi, M.D.
- 12:15 – 12:20 Questions and Answer Session
Faculty
- 12:20 – 12:30 Closing Remarks ♦
Max Wintermark, M.D., MAS, M.B.A, ASFNR President 2018-2019

12:30 End of Program

SUNDAY, OCTOBER 14, 2018

8:00 – 9:00 AM Registration and Continental Breakfast for Registrants

ESSENTIALS OF FUNCTIONAL IMAGING

- 9:00 – 9:45 Introduction to BOLD, Paradigm Design, and SPM
Chris Conklin, Ph.D.
- 9:45 – 10:15 Introduction to General Linear Model for Task Based BOLD fMRI Analysis
Feroze B. Mohamed, Ph.D.
- 10:15 – 10:30 Presenting BOLD fMRI Data-Statistical Processing Strategies
Devon Middleton, Ph.D.
- 10:30 – 11:00 Clinical Overview of Motor and Language Activation
Scott H. Faro, M.D.
- 11:00 – 11:30 Review of Neurovascular Uncoupling (NVU) in BOLD fMRI
Jay J. Pillai, M.D.

11:30 – 12:00 PM Boxed Lunch

LANGUAGE DATA PROCESSING

- 12:00 – 2:00 Practical Exercises on Language Data Processing and Review
Devon Middleton, Ph.D., Chris Conklin, Ph.D., Mahdi Alizadeh, Ph.D., Anup K. Bhattacharya, M.D., Joshua Fisher, B.S., Haris I. Sair, M.D., and Feroze B. Mohamed, Ph.D.

2:00 – 2:15 Coffee Break

SENSORY-MOTOR DATA PROCESSING

- 2:15 – 2:45 Introduction to Resting state fMRI
Haris I. Sair, M.D.
- 2:45 – 4:45 Practical Exercise on Resting State Analysis
Haris I. Sair, M.D.; Devon Middleton, Ph.D., Chris Conklin, Ph.D., Mahdi Alizadeh, Ph.D., Anup K. Bhattacharya, B.A., Joshua Fisher, B.S., and Feroze B. Mohamed, Ph.D.
- 4:45 – 5:00 Review SPM Processing and Resting State fMRI with Question and Answer Session
Faculty

5:00 Workshop Concludes

INVITED FACULTY & MODERATORS (M)

(M) Amit Aggarwal, M.D.

Assistant Professor of Radiology
Icahn School of Medicine at Mount Sinai
New York, NY

Jason W. Allen, M.D., Ph.D.

Emory University
Atlanta, GA

Jeffrey S. Anderson, M.D., Ph.D.

Associate Professor
Director of Functional Neuroimaging
Department of Radiology
University of Utah School of Medicine
Salt Lake City, UT

(M) Sotirios Bisdas, M.D., Ph.D., MSc

University College London
Bloomsbury, London

David F. Black, M.D.

Consultant
Division of Neuroradiology
Assistant Professor of Neurology and Radiology
College of Medicine
Mayo Clinic
Rochester, MN

Jerrold L. Boxerman, M.D., Ph.D., FACR

Associate Professor
Department of Diagnostic Imaging
Alpert Medical School of Brown University and
Rhode Island Hospital
Providence, RI

Peter D. Chang, M.D.

Diagnostic Neuroradiology/T32 Research Fellow
University of California San Francisco
San Francisco, CA

(M) Asim F. Choudhri, M.D.

Associate Chair - Research Affairs, Department of
Radiology
Associate Professor of Radiology, Ophthalmology,
and Neurosurgery
University of Tennessee Health Science Center
Director of Neuroradiology
Le Bonheur Neuroscience Institute
Le Bonheur Children's Hospital
Memphis, TN

(M) Daniel S. Chow, M.D.

Assistant Professor of Clinical Radiology
Division of Neuroradiology
Department of Radiological Sciences
University of California, Irvine
Irvine, CA

(M) John Conklin, M.D., MSc, FRCPC

Neuroradiology Fellow
Massachusetts General Hospital
Boston, MA

Elizabeth M. Davenport, Ph.D

UT Southwestern Medical Center
Dallas, TX

Seena Dehkharghani, M.D.

Associate Professor
Department of Radiology
NYU Langone Health
New York, NY

(M) Amit B. Desai, M.D.

University of Rochester
Rochester, NY

Amish H. Doshi, M.D.

Associate Professor of Radiology and Neurosurgery
Chief, Division of Neuroradiology
Program Director, Neuroradiology
Associate Program Director, Radiology Residency
Icahn School of Medicine at Mount Sinai
New York, NY

T. Jason Druzgal, M.D., Ph.D.

Associate Professor of Radiology
University of Virginia Health System
Department of Radiology and Medical Imaging
Division of Neuroradiology
Charlottesville, VA

(M) Sathish K Dundamadappa, M.D.

Associate Professor of Radiology
Chief, Division of Neuroradiology
UMASS Memorial Medical Center and
University of Massachusetts Medical School
Worcester, MA

Scott H. Faro, M.D.

Professor of Radiology (PAR)
Division of Neuroradiology
Johns Hopkins University
Baltimore, MD
Professor of Biomedical, Electrical
and Computer Engineering
Temple University
Philadelphia, PA

Aaron S. Field, M.D., Ph.D.

Professor and Chief of Neuroradiology
Departments of Radiology and
Biomedical Engineering
University of Wisconsin School of Medicine and
Public Health
Madison, WI

Els D. Fieremans, Ph.D.

Assistant Professor of Radiology
New York University School Of Medicine
Langone Medical Center
Department of Radiology
Center for Biomedical Imaging
New York, NY

(M) Christopher G. Filippi, M.D.

Professor of Radiology
Zucker Northwell School of Medicine
Lenox Hill Hospital
New York, NY

(M) Saman Hazany, M.D.

Assistant Professor of Radiology; Division of
Neuroradiology
Keck School of Medicine of USC
Los Angeles, CA
Attending Neuroradiologist
West Los Angeles VA Medical Center
Los Angeles, CA

Jeremy J. Heit, M.D., Ph.D.

Clinical Assistant Professor of Radiology and,
by courtesy, of Neurosurgery
Diagnostic and Interventional Neuroradiology
Stanford University Medical Center
Stanford, CA

Mai-Lan Ho, M.D.

Assistant Professor of Radiology
Division of Neuroradiology
Mayo Clinic
Rochester, MN

(M) Michael J. Hoch, M.D.

Assistant Professor of Neuroradiology
Emory University School of Medicine
Atlanta, GA

Andrei I. Holodny, M.D.

Chief of the Neuroradiology Service
Director of the Functional MRI Laboratory
Department of Radiology
Memorial Sloan-Kettering Cancer Center
Professor of Radiology
Weill Medical College of Cornell University
New York, NY

Ranliang Hu, M.D.

Assistant Professor of Neuroradiology
Emory University School of Medicine
Atlanta, GA

(M) Michael Iv, M.D.

Clinical Assistant Professor
Department of Radiology, Division of
Neuroradiology
Stanford University
Stanford, CA

Rajan Jain, M.D.

Professor, Radiology and Neurosurgery
Langone Medical Center, NYU School of Medicine
Clinical Co-Director, Center for Advanced Imaging
Innovation and Research
New York, NY

Stephen Jones, M.D., Ph.D.

Cleveland Clinic
Cleveland, OH

(M) Andrew J. Kalnin, M.D.

Director
Functional and Advanced NeuroMRI
Associate Professor
Department of Radiology
The Ohio State University College of Medicine
Columbus, OH

Timothy J. Kaufmann, M.D., MS

Professor of Radiology
Mayo Clinic School of Medicine
Rochester, MN

(M) Claudia F.E. Kirsch, M.D.

Division Chief Neuroradiology
Professor of Neuroradiology and Otolaryngology
Department of Radiology
Northwell Health
Hofstra Northwell School of Medicine
Manhasset, NY

(M) Stephen F. Kralik, M.D.

Assistant Professor
Indiana University
Indianapolis, IN

(M) Pradeep Krishnan, M.D.

Assistant Professor, Neuroradiology
Department of Diagnostic Imaging
The Hospital for Sick Children
Toronto, Ontario, CANADA

Vinodh A. Kumar, M.D.

Associate Professor of Neuroradiology
Director of Intraoperative Imaging and Image
Guided Therapy
The University of Texas M.D. Anderson
Cancer Center
Houston, TX

Meng Law, M.D., MBBS, FRACR

Professor of Radiology, Neurology, Neurological
Surgery and Biomedical Engineering
Director of Neuroradiology
Keck Medical Center and School of Medicine
of USC
Los Angeles, CA

Roland R. Lee, M.D., FACR

Professor of Radiology, Director of Neuroradiology,
MRI, and MEG
Department of Radiology
UCSD and VA San Diego
San Diego, CA

Carlos Leiva-Salinas, M.D., Ph.D.

Assistant Professor of Radiology
Chief and Director of Neuroradiology
University of Missouri
Columbia, MO

Yvonne W. Lui, M.D.

Associate Professor of Radiology
Chief of Neuroradiology and Director of
Artificial Intelligence
Department of Radiology
NYU School of Medicine
New York, NY

(M) Mohit Maheshwari, M.D.

Associate Professor of Radiology
Medical College of Wisconsin
Children's Hospital of Wisconsin
Milwaukee, WI

(M) Christie M. Malayil-Lincoln, M.D.

Baylor College of Medicine
Houston, TX

Joseph A. Maldjian, M.D.

Professor and Chief of Neuroradiology
Director, Advanced Neuroscience Imaging
Research Lab
Department of Radiology
University of Texas Southwestern Medical Center
Dallas, TX

(M) Atul K. Mallik, M.D.

Department of Radiology & Imaging Sciences
University of Utah
School of Medicine
Salt Lake City, UT

(M) Asim Z. Mian, M.D.

Assistant Professor
Department of Radiology
Boston University Medical Center
Boston, MA

Erik H. Middlebrooks, M.D.

Senior Associate Consultant
Assistant Professor of Radiology and Neurosurgery
Program Director, Neuroradiology
Mayo Clinic
Jacksonville, FL

David J. Mikulis, M.D.

Professor and Director of Functional Neuroimaging
The Joint Department of Medical Imaging
Department of Medical Imaging
The University of Toronto
The University Health Network
The Toronto Western Hospital
Toronto, Ontario, CANADA

(M) Frank J. Minja, M.D.

Assistant Professor, Neuroradiology
Yale University School of Medicine
New Haven, CT

Feroze B. Mohamed, Ph.D.

Professor of Radiology
Director, Jefferson Integrated MR Imaging Center
Thomas Jefferson University
Adjunct Professor, College of Engineering,
Temple University
Philadelphia, PA

(M) Albert Montillo, Ph.D

Assistant Professor
Department of Bioinformatics
University of Texas Southwestern Medical Center
Dallas, TX

Pratik Mukherjee, M.D., Ph.D.

Professor of Radiology and Bioengineering
Attending Neuroradiologist
University of California, San Francisco
Director, Center for Imaging of Neurodegenerative
Diseases
San Francisco, CA

(M) Veena A. Nair, Ph.D

Associate Scientist
Dept. of Radiology
University of Wisconsin-Madison School of
Medicine and Public Health
Madison, WI

Sumit N. Niogi, M.D., Ph.D.

Assistant Professor of Radiology
New York Presbyterian Hospital - Weill Cornell
New York, NY

Susan Palasis, M.D.

Pediatric Neuroradiologist, Children's Healthcare
of Atlanta
Adjunct Professor of Radiology
Emory University School of Medicine
Atlanta, GA

(M) Sohii H. Patel, M.D.

Assistant Professor
Department of Radiology and Medical Imaging
University Of Virginia Health System
Charlottesville, VA

(M) Kalliopi A Petropoulou, M.D.

Associate Professor of Radiology
SUNY Upstate Medical University
Syracuse, NY

Faculty

Jay J. Pillai, M.D.

Director of Functional MRI
Associate Professor of Radiology & Neurosurgery
Neuroradiology Division
The Russell H. Morgan Department of
Radiology and Radiological Science
Johns Hopkins Univ. School of Medicine
& The Johns Hopkins Hospital
Baltimore, MD

Jeffrey M. Pollock, M.D.

Associate Professor of Neuroradiology
Director of MRI and Functional MRI
Neuroradiology Fellowship Director
Oregon Health and Science University
Portland, OR

Whitney B. Pope, M.D., Ph.D.

Professor of Radiology
Section of Neuroradiology
Director, Brain Tumor Imaging
David Geffen School of Medicine at UCLA
Los Angeles, CA

John D. Port, M.D., Ph.D.

Professor of Radiology
Assistant Professor of Psychiatry
Department of Radiology
Mayo Clinic
Rochester, MN

(M) Vivek Prabhakaran, M.D., Ph.D.

Associate Professor
Department of Radiology
University of Wisconsin School of Medicine
Madison, WI

Sanjay P. Prabhu, MBBS, FRCR

Assistant Professor of Radiology
Harvard Medical School
Director, Advanced Image Analysis Lab,
Clinical Director, BCH SIMPeds3D Print
Staff Pediatric Neuroradiologist
Boston Children's Hospital
Boston, MA

Deqiang Qiu, Ph.D.

Assistant Professor of Radiology and
Imaging Sciences
Emory University
Atlanta, GA

(M) Flavius D. Raslau, M.D.

Assistant Professor of Radiology
University of Kentucky College of Medicine
Lexington, KY

Timothy P.L. Roberts, Ph.D.

Professor of Radiology, Affiliated with the
Perelman School of Medicine at the
University of Pennsylvania
Vice Chair of Research, Oberkircher Family
Chair in Pediatric Radiology
The Children's Hospital of Philadelphia
Philadelphia, PA

Haris I. Sair, M.D.

Associate Professor
Division of Neuroradiology
The Russell H. Morgan Department of Radiology
and Radiological Science
Johns Hopkins University School of Medicine
Baltimore, MD

(M) Noriko Salamon, M.D., Ph.D.

Professor of Radiology
Vice Chair of Academic Affairs
Chief of Neuroradiology
Department of Radiology
David Geffen School of Medicine at UCLA
Ronald Reagan Medical Center
Los Angeles, CA

Erin Simon Schwartz, M.D., FACR

Associate Professor of Radiology
Perelman School of Medicine at the
University of Pennsylvania
Medical Director, The Lurie Family Foundations'
Magnetoencephalography Imaging Center
The Children's Hospital of Philadelphia
Philadelphia, PA

Gaurang V. Shah, M.D., FACR

Professor of Radiology
Department of Radiology
University of Michigan Health System
Ann Arbor, MI

Timothy M. Shepherd, M.D., Ph.D.

Assistant Professor of Neuroradiology
Director of Brain Mapping
Department of Radiology
New York University
New York, NY

Joshua S. Shimony, M.D., Ph.D.

Associate Professor of Radiology
Mallinckrodt Institute of Radiology
Neuroradiology Section
Washington University School of Medicine
St. Louis, MO

(M) Mark S. Shiroishi, M.D.

Assistant Professor
Division of Neuroradiology
Department of Radiology
Keck School of Medicine
University of Southern California
Los Angeles, CA

(M) Judd M. Storrs, Ph.D

Assistant Professor of Radiology / MIND Center
University of Mississippi Medical Center
Jackson, MS

(M) Warren A. Stringer, M.D.

Assistant Professor
Department of Radiology
VCU Health System, MCV Campus
Richmond, VA

Leo Sugrue, M.D., Ph.D.

Assistant Professor
UCSF School of Medicine
San Francisco, CA

(M) Kiran S. Talekar, M.D., MBBS

Assistant Professor of Radiology
Neuroradiology Fellowship Program Director
Associate Director of Jefferson Integrated
MR Imaging Center
Section of Neuroradiology and ENT Radiology
SKMC at Thomas Jefferson University and
Thomas Jefferson
University Hospital
Philadelphia, PA

Jody Tanabe, M.D.

Professor of Radiology
Chief of Neuroradiology
University of Colorado School of Medicine
Denver, CO

Keith R. Thulborn, M.D., Ph.D.

Professor of Radiology, Physiology and Biophysics
Director, Center for Magnetic Resonance Research
University of Illinois
Chicago, IL

(M) Madalina Tivarus, Ph.D

Assistant Professor
Department of Imaging Sciences
University of Rochester Medical Center
Rochester, NY

(M) Eric Tranvinh, M.D.

Clinical Assistant Professor
Radiology
Stanford University
Stanford, CA

(M) Ibrahim S. Tuna, M.D.

Assistant Professor
Neuroradiology
University of Florida College of Medicine
Gainesville, FL

Kamil Ugurbil, Ph.D.

Director, Center for Magnetic Resonance Research
McKnight Presidential Chair Professor of Radiology
Professor, Departments of Radiology, Neurosciences
and Medicine
University of Minnesota
Minneapolis, MN

Arastoo Vossough, M.D., Ph.D.

Associate Professor of Radiology
Children's Hospital of Philadelphia
University of Pennsylvania
Philadelphia, PA

Richard Watts, D.Phil.

Associate Professor of Physics in Radiology
Director of Radiology Research
UVM MRI Center for Biomedical Imaging
MacClure
Burlington, VT

Kirk M. Welker, M.D.

Consultant
Division of Neuroradiology
Associate Professor of Radiology
College of Medicine
Mayo Clinic
Rochester, MN

Christopher T. Whitlow, M.D., Ph.D., MHA

Associate Professor and Chief of Neuroradiology
Vice Chair of Faculty Development
Director, CTSI Translational Imaging Program
Director, Combined MD/PhD Program
Departments of Radiology and Biomedical
Engineering
Wake Forest School of Medicine
Winston-Salem, NC

Max Wintermark, M.D., MAS, M.B.A.

Professor of Radiology
Chief of Neuroradiology
Department of Radiology, Neuroradiology Division
Stanford University
Stanford, CA

Ronald L. Wolf, M.D., Ph.D.

Associate Professor of Radiology
Perelman School of Medicine
University of Pennsylvania Health System
Philadelphia, PA

Greg Zaharchuk, M.D., Ph.D.

Associate Professor of Radiology
Stanford University
Stanford, CA

Michael Zeineh, M.D., Ph.D.

Assistant Professor of Radiology, Neuroradiology
Section
Stanford University Medical Center
Stanford, CA

Gary Hui Zhang, Ph.D.

Reader in Computational Imaging
Centre for Medical Image Computing
Department of Computer Science
University College London
United Kingdom

Scott H. Faro, M.D.

Professor of Radiology (PAR)
Division of Neuroradiology
Johns Hopkins University
Baltimore, MD
Professor of Biomedical, Electrical and
Computer Engineering
Temple University
Philadelphia, PA

Feroze B. Mohamed, Ph.D.

Professor of Radiology
Director, Jefferson Integrated
MR Imaging Center
Thomas Jefferson University
Adjunct Professor, College of Engineering,
Temple University
Philadelphia, PA

Jay J. Pillai, M.D.

Director of Functional MRI
Associate Professor of Radiology & Neurosurgery
Neuroradiology Division
The Russell H. Morgan Department of
Radiology and Radiological Science
Johns Hopkins Univ. School of Medicine
& The Johns Hopkins Hospital
Baltimore, MD

Haris I. Sair, M.D.

Assistant Professor
Division of Neuroradiology
The Russell H. Morgan Department of
Radiology and Radiological Science
Johns Hopkins University School of Medicine
Baltimore, MD

Jefferson Integrated Magnetic Resonance Imaging Center

Mahdi Alizadeh, Ph.D.

Research Scientist
Department of Neurosurgery
Jefferson Integrated MR Imaging Center
Thomas Jefferson University
Philadelphia, PA

Anup K. Bhattacharya, M.D.

Radiology Resident
Transitional Year Intern
Scripps Mercy Hospital
San Diego, CA
Research Associate
Jefferson Integrated MR Imaging Center
Philadelphia, PA

Chris Conklin, Ph.D

Associate Director, Jefferson Integrated
MR Imaging Center
Department of Radiology
Thomas Jefferson University
Philadelphia, PA

Joshua Fisher, B.S.

Research Associate
Jefferson Integrated MR Imaging Center
Department of Radiology
Thomas Jefferson University
Philadelphia, PA

Devon Middleton, Ph.D

Research Associate
Jefferson Integrated MR Imaging Center
Department of Radiology
Thomas Jefferson University
Philadelphia, PA

Feroze B. Mohamed, Ph.D.

Professor of Radiology
Director, Jefferson Integrated MR Imaging
Center
Thomas Jefferson University
Adjunct Professor, College of Engineering,
Temple University
Philadelphia, PA

Hotel del Coronado

1500 Orange Avenue
Coronado, CA 92118

Phone: (619) 435-6611



Make Reservations

Space is Limited – Reserve Today:

Call Hotel del Coronado Reservations at: 1-800-468-3533 and provide Group Code “ASFNR” or book online at:

<https://aws.passkey.com/e/49513145>

About The Resort

Experience the artful blend of elegance and tradition at the Hotel del Coronado. The Del’s most traditional San Diego beach accommodations reflect the resort’s classic heritage in their charming décor. Housed in the original Victorian building, a National Historic Landmark, the Del blends romantic, 19th-century ambiance with modern comforts for today’s traveler.

The Del is proud to present, ENO, a new culinary offering that celebrates the three most delectable indulgences in the world – fine wines, rare cheeses and gourmet chocolates. To learn more, visit www.hoteldel.com.

How to Get There

Fly directly to San Diego International Airport, located just 17 minutes from the Hotel del Coronado. Daily non-stop flights are available to San Diego for major national and international carriers.

Special Discounted Group Room Rates

Run of the House Guestrooms\$269/nt.
(single/double occupancy)

Upgraded room type based on availability and at the Hotel’s discretion:

Coastal View Guestrooms\$319/nt.
(single/double occupancy)

Ocean View Guestrooms\$349/nt.
(single/double occupancy)

Run of Junior Suites\$410/nt.
(single/double occupancy)

Hotel cut-off date: September 22, 2018
(group rates 3 days prior/post – space available basis)

Hotel Tax: 11.56%

Resort Fee: Waived

DEPOSIT POLICY:

Hotel requires one night’s room + tax as a deposit to be charged at time of reservation.

CANCELLATION POLICY:

Refunds will be issued for rooms cancelled at least 48 hours prior to arrival date. All room cancellations after this time are subject to penalty. Check in time is: 4:00 PM; Check out time is: 12:00 Noon.

Join ASFNR

American Society of Functional Neuroradiology Membership Information/Membership Application

Membership Categories:

Member: radiologist, neuroradiologist, physicist, or scientist who practices or has a special interest in functional neuroradiology

Associate: physician, scientist, or radiologic technologist (M.D., D.O., Ph.D., R.T.) with a special interest in functional neuroradiology but who does not fulfill the criteria for *Member* status

Student: medical, undergraduate, or graduate student, resident or fellow. Postdoctoral fellows will be considered, if they are within four years of their doctoral degree

Membership Benefits:

- Reduced Registration Fee to attend the *ASFNR Annual Meeting**
- Reduced Registration Fee to attend the *American Society of Neuroradiology (ASNR) Annual Meeting*
- Membership Certificate (*Member* and *Associate* only)
- Subscription to the *American Journal of Neuroradiology* at the ASNR member rate (*Member* and *Associate* only)- Optional
- Opportunity to join ASFNR Study Groups
- Opportunity to participate in the Scientific and Business Meetings, and activities of the Society
- Serve on standing committees, propose candidates for nomination, vote and hold elected office (*Members* only)

Applying For Membership:

If you are a current member of ASNR or:

American Society of Head and Neck Radiology (ASHNR)
American Society of Pediatric Neuroradiology (ASPNR)
American Society of Spine Radiology (ASSR)
Eastern Neuroradiological Society (ENRS)
Southeastern Neuroradiological Society (SENRS)
Western Neuroradiological Society (WNRS)

1. Complete #1, 2, 3, and 8 of the membership application
2. Include prorated dues

If you are not a current member of the above societies, and are applying for *Member* or *Associate* status, you must include the following:

1. Completed membership application
2. One sponsor letter. Sponsor must currently hold ASFNR *Member* status, or the equivalent from the ASNR, ASHNR, ASPNR, ASSR, ENRS, SENRS, or WNRS, and be familiar with the reputation and qualifications of the applicant and applicant's involvement and/or interest in functional neuroradiology.
3. Current curriculum vitae
4. Copy of Radiology Board or Subspecialty Certification (formerly CAQ) certificate
5. Prorated dues

If you are not a current member of the above societies, and are applying for *Student* status, you must include the following:

1. Completed membership application
2. One sponsor letter. Sponsor must currently hold ASFNR *Member* status, or the equivalent from the ASNR, ASHNR, ASPNR, ASSR, ENRS, SENRS or WNRS, and be familiar with the applicant's reputation, qualifications and involvement and/or interest in functional neuroradiology.
3. Letter from your Department Chairman verifying current status and expected date of graduation (*Student* applicants only)
4. Current curriculum vitae
5. Prorated dues

Prorated Membership Dues

A S F N R (prorated dues include application fee)		1 st Qtr.	2 nd Qtr.	3 rd Qtr.	4 th Qtr. **
Membership Category	Annual Membership Dues	Jan-March	Apr-June	July-Sept	Oct-Dec
<i>Member</i>	\$125 + \$25 application fee	\$150	\$112	\$88	\$150
<i>Associate</i>	\$50 + \$25 application fee	\$75	\$63	\$50	\$75
<i>Student</i>	\$25	\$25	\$19	\$13	\$25

Each Study Group's dues are \$10 (not prorated) – add \$10 for each group membership and indicate your selected group(s) with an "X". Your Study Group membership(s) will begin upon your acceptance into Society membership.

_____ BOLD fMRI _____ Diffusion/Perfusion Imaging

**When dues are paid in the 4th Quarter, membership is valid through the end of the following calendar year.

***Deadline to Submit Membership Application:** If you wish to register for the *ASFNR 12th Annual Meeting* at the discounted member rate, your completed application (and any required documentation and dues) must be received **30 days prior to the Meeting**. You will receive an email confirming receipt of your application, after which you may register as an ASFNR member.

ASFNR Membership Application

(Please type or print legibly)

Return completed membership application, any required documentation, and dues payment to:
ASFNR Membership Dept. ♦ 800 Enterprise Drive, Suite 205 ♦ Oak Brook, IL 60523-4216

Membership category applied for: ☐ *Member* ☐ *Associate* ☐ *Student*

1. Name

First	Middle Initial	Last Name	Degree
-------	----------------	-----------	--------

2. List *both* home and office (if applicable) addresses:

Home	Office
Address _____	Institution _____
City/State/Province _____	Department _____
Zip _____	Address _____
Phone () _____	City/State/Province _____
E-Mail Address _____	Zip _____
(E-mail address is <i>required</i>)	Phone () _____
	FAX () _____

3. Indicate with an "X" all the societies of which you are a member: ☐ ASNR ☐ ASHNR ☐ ASPNR
☐ ASSR ☐ ENRS ☐ SENRS ☐ WNRS

IMPORTANT: If you **ARE a member** of any of the societies listed above, proceed to #8 ... sign and date the application, and provide the appropriate amount of prorated dues -- you do not need to complete the other sections of the application.

If you **ARE NOT a member** of any of the societies listed above, complete the entire application, and provide required documentation and prorated membership dues.

4. Indicate with an "X" if you belong to the following societies: ☐ ISMRM ☐ OHBM

5. If you **DO NOT** belong to any of the societies listed in #3, you must include one sponsor letter with your application.
Refer to *Membership Information* on reverse side to determine qualified sponsors.

Sponsor's Name: _____
Institution: _____
Phone: () _____ E-mail _____

6. Certification: Board: _____ Date _____
Subspecialty Certification (formerly CAQ) _____ Date _____

7. Fellowships: Institution (1): _____ Dates _____
Institution (2): _____ Dates _____

8. I agree to abide by the ASFNR Constitution and any revisions thereof:

Applicant's Signature _____

Date _____

Please note: U.S.-based applicants may pay prorated membership dues by check (made payable to ASFNR), or credit card.
Non U.S.-based applicants must pay prorated membership dues by credit card. Payment must accompany application.

Complete the following information for credit card payment

Billing address, if different from #2 above: Check one: ☐ Home ☐ Institution ☐ Business Office

Name of Institution/Affiliation: _____
Address: _____
City: _____ State/Province: _____ Zip/Postal Code: _____
Country (if other than U.S.): _____

Indicate amount of prorated membership dues: \$ _____

Credit Card: ☐ American Express ☐ MasterCard ☐ Visa

Card Number: _____ Expiration Date: _____

Name as it appears on the card: _____

Signature: _____

Meeting Registration Form:



12th Annual Meeting of the

AMERICAN SOCIETY OF FUNCTIONAL NEURORADIOLOGY

October 15-17, 2018 • Hotel del Coronado • Coronado, California

Optional BOLD Functional MRI Hands-On Workshop • October 14, 2018

Workshop attendance is limited to the first 25 Registrants

ASFNR18

REGISTRATION FEES	ASFNR 12 TH ANNUAL MEETING Mon. - Wed.	BOLD fMRI Workshop
<input type="checkbox"/> ASFNR Member	<input type="checkbox"/> \$395	<input type="checkbox"/> \$225
<input type="checkbox"/> Non-Member	<input type="checkbox"/> \$495	<input type="checkbox"/> \$225
<input type="checkbox"/> Fellow*, Resident*, Full-Time Military*, Technologist, Retired Physician	<input type="checkbox"/> \$195	<input type="checkbox"/> \$225

Includes Electronic Color Syllabus ☐ Add Printed Color Syllabus \$95 (Advanced Purchase Only)

Subtotal \$ _____

I am: (please check one) *Must enclose letter from Director verifying status.

☐ ASFNR Member ☐ Non-Member ☐ Fellow* ☐ Resident* ☐ Full-Time Military* ☐ Technologist ☐ Retired Physician

Name _____ Degree ☐ M.D. ☐ D.O. ☐ Ph.D. ☐ P.A. ☐ R.T. ☐ Other

Company / Institution _____ Specialty _____

Address _____ City / State / Zip / Country _____

Phone _____ Email (REQUIRED FOR ELECTRONIC SYLLABUS) _____

Card Number / Card Type: ☐ Master Card ☐ Visa ☐ American Express ☐ Discover _____ Exp. Date _____ Security Code _____

Billing Address _____ City / State / Zip / Country _____

Cardholder Signature _____

4 Easy Ways To Register

We Accept



INTERNET
ASFNR.edusymp.com or
www.ASFNR.org

MAIL
Check payable to ASFNR:
ASFNR
c/o Educational Symposia
5620 West Sligh Avenue
Tampa, Florida
33634-4490

FAX
(813) 806-1001
PHONE
(813) 806-1000

Disclaimer: Educational Symposia (ESI) and ASFNR as planners and presenters of this meeting, and Professional Travel as the official travel agency for these meetings, claim no liability for the acts of any suppliers or the safety of any attendees while in transit to, from, or during this event or any optional activities. The total amount of liability, if any, for the meeting organizers is limited to a refund of the registration fee, and Professional Travel's responsibility is limited to that of an agent.



Special Note for the Disabled: Educational Symposia (ESI) and ASFNR wish to ensure that no individual with a disability is excluded, denied services, segregated or otherwise treated differently from other individuals because of the absence of auxiliary aids and services. If you need any auxiliary aids or services identified in the Americans with Disabilities Act, please contact our office at (813) 806-1000.

CANCELLATIONS: Request for refund of registration fees, less a \$75.00 processing fee, will be made to those providing written notification of cancellation by **October 4, 2018**. After that date, there will be no refunds given for cancellations. Please email notice of cancellation to: lessa@edusymp.com or fax to (813) 806-1001.