11th Annual Meeting of the

American Society of

FUNCTIONAL NEURORADIOLOGY

October 9-11, 2017
the Nines • Portland, Oregon

20.0 *AMA PRA Category 1 Credit(s)™*

Optional BOLD Functional MRI Hands-On Workshop

October 8, 2017

7.0 *AMA PRA Category 1 Credit(s)™*

Workshop attendance is limited to the first 20 Registrants

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from the
President and Program Chair

Join us October 9-11, 2017 for the American Society of Functional Neuroradiology (ASFNR) 11th Annual Meeting in Portland, Oregon at the iconic the Nines Hotel. An optional Hands-on BOLD fMRI Workshop will be held on October 8.

The ASFNR Annual Meeting features an in-depth and comprehensive update on functional neuroimaging and advanced neuroimaging which will appeal to a broad range of neuroradiologists, neurologists, neurosurgeons, physicists, neuropsychiatrists and psychologists, cognitive neuroscientists, biomedical engineers, clinical and research fellows, residents, doctoral and postdoctoral students, and radiology technologists.

The 2 1/2 day meeting will feature a series of focused sessions with didactic lectures and panel discussions by nationally and internationally recognized experts as well as original research papers and posters.

The ASFNR 11th Annual Meeting will feature a roster of nationally recognized scientific keynote speakers. Major topics and objectives include:

- Artificial intelligence and machine learning in personalized medicine, image quality, and its application to diagnostic image interpretation.
- Advances in diffusion MR imaging including microstructural and microdynamic MR and updates on BOLD fMRI and resting state MRI.
- Neuropscyhiatric MR imaging including addiction, connectivity, neurogenetics, and TMS.
- New insights into neurodegeneration, including the glymphatic system, cerebrovascular reactivity, iron and microglia, PET MR, and machine learning.
- A special session on glioma, including genomics, new WHO classification, white matter migration analysis, intravoxel incoherent motion MR, hyperpolarization of 13C, machine learning, and clinical trials.
- Pediatric neuroimaging centered on connectivity from the neonatal period through adolescence.
- Emerging technology from rapid MR acquisitions, metabolic imaging and bioscales, and myelin mapping to advanced neuroimaging of the spine.

On Sunday, October 8, 2017, there will be the ASFNR Hands-on Workshop for the BOLD fMRI image processing for presurgical planning. Attendance for the workshop is limited to the first 20 registrants and this very popular workshop is typically sold out very early on.

Portland, Oregon is quickly becoming a destination city with its unique cultural and artsy-hipster vibe that is gently ridiculed on the TV program, Portlandia. It is a foodie's paradise and recently named best food city in America. It is a laid-back city with award-winning microbrews and acclaimed Pinot Noirs from the world-renowned Willamette Valley of Oregon. The city has a legendary bookstore, Powell's, and, if we are lucky, a view of Mt Hood. Breakfast and brunch places have cult-like followings as does VooDoo donuts. The Nines Hotel, located in the heart of downtown, is a 5-star hotel within 20 minutes of the airport, which is serviced by a train that drops off right in front of the hotel.

I sincerely hope you will join us for this outstanding event.

Christopher G. Filippi, 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:

- Describe the physical principles that inform BOLD and resting state fMRI, diffusion-weighted and diffusion tensor imaging, arterial spin labeling, MR perfusion imaging, susceptibility weighted imaging and MEG.

- Explain current, routine clinical applications and limitations of advanced neuroimaging and functional MR techniques in terms of diagnosis and precision health.

- Discuss effective ways to translate advanced neuroimaging and functional imaging into routine clinical practice while acknowledging potential barriers and limitations.

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 asfnr.edusymp.com or call 1-800-338-5901 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 September 29, 2017 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 8, 2017

About This Workshop

This workshop will provide a practical step-by-step post-processing of BOLD fMRI studies with SPM8 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 data

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

Accreditation

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 SPM8 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 SPM8 and the 15-day free MATLAB license prior to the workshop.

PROGRAM SCHEDULE

Monday, October 9, 2017

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

6:30 – 7:00 — **Breakfast & Learn Session (TBD)**

PHYSICS PRIMERS
Moderators: Gaurang V. Shah, M.D., FACR
Timothy J. Kaufmann, M.D., Mehmet Kocak, M.D.

7:00 – 7:20 — Bold fMRI
Christopher Conklin, Ph.D.

7:20 – 7:40 — DWI Physics
Aaron S. Field, M.D., Ph.D.

7:40 – 8:00 — DSC Perfusion: Physics and Leaking Correction: Practical Technical and Clinical Considerations
Jerrod L. Boxerman, M.D., Ph.D.

8:00 – 8:20 — Arterial Spin Labelling: From Theory to Practice
Jeffrey M. Pollock, M.D.

8:20 – 8:25 — Welcome
Christopher G. Filippi, M.D., ASFNR President and Program Chair

PRESURGICAL PLANNING: BOLD FMRI AND DTI
Moderators: Erik H. Middlebrooks, M.D., David Black, M.D., Andrew J. Kalnin, M.D.

8:25 – 8:45 — How to Start a Clinical fMRI Program
Kirk M.Welker, M.D.

8:45 – 9:05 — Pitfalls in Bold fMRI and Neurovascular Uncoupling
Andrei I. Holodny, M.D.

9:05 – 9:25 — Resting State for fMRI for Presurgical Planning: Clinical Considerations
Joshua S. Shimony, M.D., Ph.D.

9:25 – 9:45 — DTI/Tractography for Surgical Mapping
Aaron S. Field, M.D., Ph.D.

9:45 – 10:00 — Tumor Surveillance: Raise Your Decision Confidence with Perfusion
Rajan Jain, M.D.

10:00 – 10:15 — **Refreshment Break and Visit Technical Exhibits**

ADVANCED NEUROIMAGING FOR GLIOMA
Moderators: Rivka R. Colon, M.D., Mark S. Shiroishi, M.D., Robert K. Fulbright, M.D.

10:15 – 10:35 — Genomics, Molecular Imaging, and the New WHO Classification
Whitney B. Pope, M.D., Ph.D.

10:35 – 10:50 — IVIM: Basic Principles and Application to Neuroradiology
John Conklin, M.D., Ph.D.

10:50 – 11:05 — Hyperpolarization 13C and Tumor Metabolism
Vesselin Miloushev, M.D., Ph.D.

Monday, October 9, 2017 (continued)

11:05 – 11:20 — Machine Learning and Glioma
Peter D. Chang, M.D.

11:20 – 11:35 — Addressing Treatment Response of Gliomas with DCE MRI
Jerrod L. Boxerman, M.D., Ph.D.

11:35 – 12:00 PM — WM Migration Patterns in Glioma
Mykol Larvie, M.D., Ph.D.

12:00 – 12:20 — Clinical Trials: Where We Have Been and Where We Are Going?
Daniel P. Barboriak, M.D.

12:20 – 12:30 — Q&A: What is the Next Big Breakthrough?
All Faculty

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

VICTOR M. HAUGHTON, M.D. HONORARY LECTURE

1:30 – 2:15 — Microstructure and Microdynamic MRI
Peter J. Basser, Ph.D.

2:15 – 2:20 — Question & Answer Session
Peter J. Basser, Ph.D.

TRANSLATING ADVANCED IMAGING INTO PRACTICE: TBI
Moderators: Christopher G. Filippi, M.D., Scott H. Faro, M.D., Richard Watts, D.Phil.

2:20 – 2:40 — Subconcussive Impacts and Diffusion
Christopher T. Whitlow, M.D., Ph.D., MHA

2:40 – 3:00 — MR Susceptibility and Concussion
Yvonne W. Lui, M.D.

3:00 – 3:20 — MEG and TBI
Joseph A. Maldjian, M.D.

3:20 – 3:45 — Precision Imaging for TBI
Pratik Mukherjee, M.D., Ph.D.

3:45 – 4:00 — **Refreshment Break and Visit Technical Exhibits**

ADVANCES IN IMAGING: NEUROPSYCHIATRY AND COGNITION
Moderators: William Moore, M.D., Daniel S. Chow, M.D., Atul K. Mallik, M.D.

4:00 – 4:25 — What Neuroimaging Has Taught Us About Addiction
Jody Tanabe, M.D.

4:25 – 4:45 — Imaging of Neuropsychiatric Disease: From Nodes to Networks
Leo Sugrue, M.D., Ph.D.

4:45 – 5:10 — Transcranial Magnetic Stimulation: Update on State-of-the-Art
John D. Port, M.D., Ph.D.

5:10 – 5:35 — Models in Neurogenetics: Past, Present, and Future
J. Eric Schmitt, M.D., Ph.D.

Monday, October 9, 2017 (continued)

5:35 – 6:00 — Neuroimaging of Gene-Environment Interactions: A Systems Neuroscience Approach
John-Paul Yu, M.D., Ph.D.

6:00 — **Session Ends**

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

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

6:30 – 8:00 — **Welcome Reception**

Tuesday, October 10, 2017

7:00 – 8:20 AM — **Registration, Continental Breakfast and Visit Technical Exhibits**

7:45 - 8:20 — Annual Business Meeting (For Members Only)

FOCUS SESSION: ADVANCED IMAGING IN STROKE
Moderators: Michael J. Hoch, M.D., Ramon F. Barajas, Jr., M.D.

8:20 – 8:25 — Welcome
Christopher G. Filippi, M.D.

8:25 – 8:45 — Current Status on Stroke Imaging
Max Wintermark, M.D., MAS, M.B.A

8:45 – 9:05 — ASL and Pediatric Stroke
Arastoo Vossough, M.D., Ph.D.

9:05 – 9:15 — T1 Rho and Acute Stroke
Jennifer Soun, M.D.

RESTING STATE FMRI AND CONNECTIVITY
Moderators: Marco Da Cunha Pinho, M.D., Benjamin P. Liu, M.D.

9:15 – 9:35 — Basic Principles of Resting State Functional MRI
Haris Sair, M.D.

9:35 – 9:55 — Functional Connectome in Health and Disease
T. Jason Druzgal, M.D., Ph.D.

9:55 – 10:15 — Language Function and Resting State fMRI
Steven M. Stufflebeam, M.D.

10:15 – 10:35 — Single Subject Reliability and Resting State Connectivity
Jeff S. Anderson, M.D., Ph.D.

10:35 – 10:45 — **Refreshment Break and Visit Technical Exhibits**

ADVANCED PEDIATRIC MR IMAGING
Moderators: David R. Pettersson, M.D., Doris D. M. Lin, M.D.,Ph.D., Nadja Kadom, M.D.

10:45 – 11:15 — **KEYNOTE LECTURE:** Adolescent Brain Cognitive Development Project
Hugh Garavan, Ph.D.

Tuesday, October 10, 2017 (continued)

11:15 – 11:45	**Maturation of Connectivity in Neonate** *Christopher P. Hess, M.D., Ph.D.*
11:45 – 12:15 PM	**Autism Imaging: The Way Forward** *Timothy P.L. Roberts, M.D., Ph.D.*
12:15 – 12:30	**Question and Answer Session** *Faculty*
12:30 - 1:30	**Lunch and Learn Session (TBD) or Lunch on Your Own ♦**

FOCUS SESSION: NEURODEGENERATION
Moderators: Jalal Andre, M.D., Ajay Gupta, M.D., Asim F. Choudhri, M.D.

1:30 – 2:05	**KEYNOTE LECTURE:** Glymphatic System *Jeffrey Iliff, Ph.D.*
2:05 – 2:25	Cerebrovascular In Aging and Dementia *David J. Mikulis, M.D.*
2:25 – 2:45	Integrated PET MR Will Change How You Read Dementia *Timothy M. Shepherd, M.D., Ph.D.*
2:45 – 3:05	Iron and Microglia at 7T *Michael Zeineh, M.D., Ph.D.*
3:05 – 3:25	Machine Learning Meets Neuroradiology of Alzheimer's Disease *Sriraam Natarajan, Ph.D.*
3:25 – 3:30	Question and Answer Session *Faculty*
3:30 – 3:45	**Refreshment Break and Visit Technical Exhibits**

DEEP MACHINE LEARNING
Moderator: Thomas J. O'Neill, M.D., Peter D. Chang, M.D., Christopher T Whitlow, M.D., Ph.D., MHA

3:45 – 4:05	MRI-based Predictive Modeling Using Transport-based Morphometry *Gustavo Rohde, Ph.D.*
4:05 – 4:25	Using Deep Learning To Improve the Quality of Medical Imaging *Gregory G. Zaharchuk, M.D., Ph.D.*
4:25	**Session Ends**
4:25 – 5:00	**KEYNOTE LECTURE:** Artifical Agents and Personalized Medicine ♦ *Dorin Comaniciu, Ph.D.*
5:00 – 6:00	Scientific Oral Presentations ♦
6:00 – 6:30	Study Group Session: Neuropsychiatric MR ♦
6:00 – 6:30	Study Group Session: Machine Learning ♦

Wednesday, October 11, 2017

7:00 – 8:25 AM	**Registration, Continental Breakfast and Visit Technical Exhibits**
7:00 – 8:25	**Breakfast & Learn Session (TBD)**
8:25 – 8:30	Welcome *Christopher G. Filippi, M.D.*

EMERGING TECHNIQUES
Joshua P. Nickerson, M.D., Mahmud Mossa-Basha, M.D., Michael Iv, M.D., Asim Bag, M.D.

8:30 – 9:00	**KEYNOTE LECTURE:** The Full Speed MRI Project *James G. Pipe, Ph.D.*
9:00 – 9:30	Metabolic MR Imaging and Metabolic Bioscales Address Unmet Clinical Needs *Keith R. Thulborn, M.D., Ph.D.*
9:30 – 9:50	Improved Detection of Cortical Lesions in Multiple Sclerosis Based On Cortical Myelin Content Derived From 3D T1- and T2-Weighted Imaging *Richard Watts, Ph.D., D.Phil.*
9:50 – 10:15	Iron Contrast Agents and BBB Disruption *Edward Neuwelt, M.D.*
10:15 – 10:30	**Refreshment Break and Visit Technical Exhibits**
10:30 – 10:50	Noninvasive Focal Neuromodulation with Ultrasonic Uncaging *Raag Airan, M.D., Ph.D.*
10:50 – 11:15	Ultra High Field Physiologic Imaging of the Brain *Jay J. Pillai, M.D.*

ADVANCES IN SPINE IMAGING
Moderators: Izlem Izbudak, M.D., Saman Hazany, M.D., Amish H. Doshi, M.D.

11:15 –11:35	Diffusion Tensor Imaging of the Spinal Cord: Application in Pediatric Healthy Controls and Patients with Spinal Cord Injury *Feroze B. Mohamed, Ph.D.*
11:35 – 11:50	T1 Rho Imaging in Back Pain *Christopher G. Filippi, M.D.*
11:50 – 12:05 PM	DWI and Drop Metastases in Children *Susan Palasis, M.D.*
12:05 – 12:25	MR Perfusion: Its Role in Spinal Metastases *Sasan Karimi, M.D.*
12:25 – 12:30	Question and Answer Session *Faculty*
12:30	Closing Remarks *Kirk M. Welker, M.D. ASFNR President 2017-2018*
12:35	**End of Program**

♦ Not accredited for *AMA PRA Category 1 Credit(s)*[TM]
Faculty & topics subject to change.

Sunday, October 8, 2017

8:30 – 9:30 AM	**Registration**

ESSENTIALS OF FUNCTIONAL IMAGING

9:30 – 10:30	Introduction to BOLD, Paradigm Design, and SPM *Christopher Conklin, Ph.D.*
10:30 – 11:30	Clinical Overview of Motor and Language Activation *Scott H. Faro, M.D.*
11:30 – 11:45	Introduction to General Linear Model for Task Based fMRI Analysis *Feroze B. Mohamed, Ph.D.*
11:45 – 12:15 PM	Presenting BOLD fMRI Data-Statistical Processing Strategies *Devon Middleton, Ph.D.*
12:15 – 12:30	**Boxed Lunch**

LANGUAGE DATA PROCESSING

12:30 – 2:30	Practical Exercises on Language Data Processing and Review *Devon Middleton, Ph.D. Christopher Conklin, Ph.D. Mahdi Alizadeh, Ph.D., Anup K. Bhattacharya, B.A. Joshua Fisher, B.S. Feroze B. Mohamed, Ph.D.*
2:30 – 2:45	**Refreshment Break**

SENSORY-MOTOR DATA PROCESSING

2:45 – 4:45	Practical Exercises on Sensory-Motor Data Processing *Devon Middleton, Ph.D. Christopher Conklin, Ph.D. Mahdi Alizadeh, Ph.D. Anup K. Bhattacharya, B.A. Joshua Fisher, B.S. Feroze B. Mohamed, Ph.D.*
4:45 – 5:00	Review SPM Processing with Question and Answer Session
5:00	**Workshop Concludes**

Faculty & topics subject to change.

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ASFNR 11th Annual Meeting to receive the group discount.

Located next to Pioneer Square and the central business district in one of the country's premier walking cities, this luxury hotel in Portland is an ideal spot for launching all of your adventures.

Browse nearby boutiques, dine in the trendy Pearl District, or use the eco-friendly MAX light rail to explore the beautiful gardens, museum grounds, and chic neighborhoods that pepper the lively city of Portland. The gracious Portland hotel concierge team is happy to arrange day trips to the mountains, wine country, and beyond.

Two distinct restaurants offer the perfect setting for any occasion. Urban Farmer is a modern steakhouse, offering sustainable ingredients and an expansive wine list. Departure offers Asian cuisine in a sleek, cosmopolitan setting, with two outdoor decks boasting beautiful views of the city and mountains. An in-room dining menu is also available.

Original art pieces and an elegant staircase add to the grandeur of The Nines Hotel's spectacular Portland meeting rooms, which easily lend themselves to a variety of Portland meetings and special events. A creative design concept and floor plan allows the highly skilled staff to offer a personalized experience for the guests - one that suits their style and needs. Unrivaled attention to detail is guaranteed from the sales, catering and culinary teams that work with the Portland meeting rooms at the Nines.

Special Discounted Group Room Rate

$259.00
Single and Double Occupancy

Parking:
Valet: $38/overnight, $20/daily

RESERVATIONS MUST BE MADE BEFORE THURSDAY, SEPTEMBER 7, 2017. After this date, reservations will be accepted at the discretion of the hotel, on a space and rate available basis.

Hotel room rates are subject to applicable state and local taxes (currently 14.5%) in effect at the time of check-out. Group rate available 3 days pre-and post-meeting (based on hotel availability). Check-in is 3:00 pm; Check-out is 12:00 pm.

DEPOSIT: Hotel requires a credit card to guarantee accommodations.

CANCELLATION: All cancellations, arrival and departure date changes must be made 24 hours or more prior to scheduled arrival date/time to avoid penalties. Any guest that cancels a reservation after such time will have a charge of one night's room and tax applied to their account.

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 <u>must</u> 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 <u>must</u> 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)*		1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr. **
Membership Category	Annual Membership Dues	Jan-March	Apr-June	July-Sept	Oct-Dec
Member	$125 + $25 application fee	$150	$112	$88	$150
Associate	$50 + $25 application fee	$75	$63	$50	$75
Student	$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 11thAnnual 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 *required*)   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 <u>must</u> accompany application.

Complete the following information for credit card payment

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

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Indicate amount of prorated membership dues: $ _____

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Meeting Registration Form:

11th Annual Meeting of the
American Society of
Functional Neuroradiology

October 9-11, 2017 • the Nines • Portland, OR

Optional BOLD Functional MRI Hands-On Workshop • October 8, 2017
Attendance limited to the first 20 Registrants.

ASFNR17

REGISTRATION FEES	ASFNR 11TH ANNUAL MEETING Mon. - Wed.	BOLD fMRI Workshop
❏ ASFNR Member	❏ $395	❏ $225
❏ Non-Member	❏ $495	❏ $225
❏ Fellow*, Resident*, Full-Time Military*, Technologist, Retired Physician	❏ $195	❏ $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

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CANCELLATIONS: Request for refund of registration fees, less a $75.00 processing fee, will be made to those providing written notification of cancellation by September 29, 2017. After that date, there will be no refunds given for cancellations. Please email notice of cancellation to: lsessa@edusymp.com or fax to 800-344-0668.

ASFNR

11th Annual Meeting of the
American Society of
FUNCTIONAL NEURORADIOLOGY

October 9-11, 2017
the Nines • Portland, Oregon

20.0 *AMA PRA Category 1 Credit(s)™*

Optional BOLD Functional MRI Hands-On Workshop

October 8, 2017

7.0 *AMA PRA Category 1 Credit(s)™*

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