

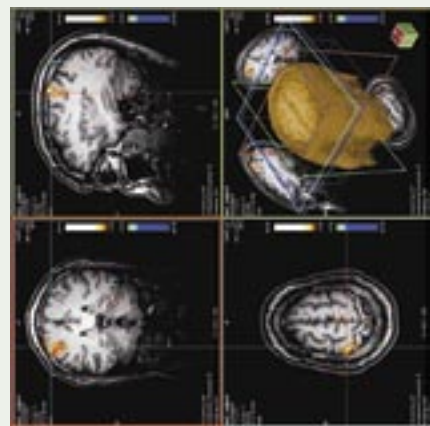
# Advances in 3 Tesla Neuro Imaging

Transferring Academic Experience to Private Practice Use

Offers up to 20 hours of Physician CME and Technologist CE Credit

**June 26 - 28, 2006**

Treasure Island Hotel & Casino  
Las Vegas, NV



Register online - [www.nwforums.com](http://www.nwforums.com)

Northwest  
Imaging Forums  
P.O. Box 25909  
Eugene, OR 97402

*Note: If you cannot attend, please pass this brochure to an interested colleague.*

# Advances in 3 Tesla Neuro Imaging

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Offers up to 20 hours of Physician CME and Technologist CE Credit

- General Brain & Spine
- Spectroscopy Fundamentals
- fMRI Fundamentals
- Billing / Reimbursement Issues
- Perfusion Imaging
- Case Study Reviews
- Tractography
- Arterial Spin Labeling
- Diffusion Tensor Imaging
- Referring Physician Issues

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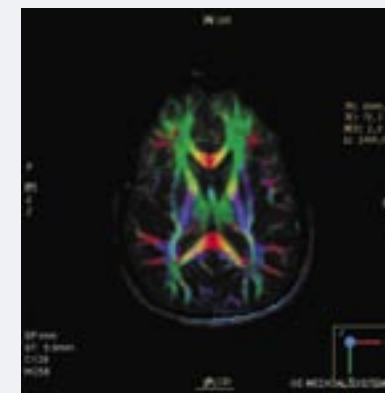
**Scientific Sponsors:**  
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**Supported by** an unrestricted educational grant given by:  
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**Presented by :**  
Northwest Imaging Forums

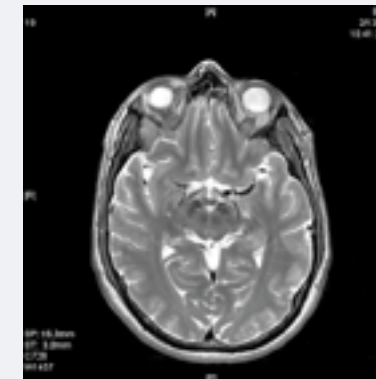


## General Course Description



This exciting three day program is designed to help academic and sophisticated private practice radiologists and technologists understand how 3 Tesla neuro MR imaging has been clinically developed and how to integrate cutting edge 3T MR clinical research techniques into the daily application of MRI. This conference will also allow private practice users to network with academic and research users who are currently developing these techniques for the purpose of transitioning their use into the non academic arena. A well balanced faculty of nationally recognized radiologists and other professionals will address

a variety of technical and clinical topics (please see program format). Clinical case studies will be presented and discussed throughout the meeting format. There will also be two special manufacturer sessions dealing with Functional MR (fMRI) and Spectroscopy (MRS) allowing you to understand the technical aspects of what is currently commercially available or soon to be available for your imaging facility. The meeting will conclude with a special discussion of the need / validity of a Clinical 3 Tesla Imaging Society.



## Educational Objectives

Upon completion of this conference, the participant will be able to:

- Define the global status of 3 Tesla neuro MR technology.
- Discuss general neuro clinical applications of a state-of-the-art 3 Tesla system.
- Define 3 Tesla MR system imaging capabilities and limitations.
- Interpret MR hardware & software differences in clinical applications.
- Analyze the clinical & diagnostic significance of advanced 3T neuro imaging.
- Determine how to integrate 3T system into a facility with multiple MR scanners.
- Determine strategic planning & marketing techniques for a 3T MR facility.

## Who Should Attend

- Physicians utilizing high field MRI technology
- Physicians considering the installation of a 3T MR system
- Physicians who refer patients for high resolution MR imaging
- MRI technologists who work in hospital and other imaging facilities
- Hospital and imaging facility management personnel responsible for MRI
- MRI marketing and education specialists
- Corporate and manufacturer personnel

## Accreditation

**Physicians:** This CME 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 Institute for Medical Studies (IMS)** and **Northwest Imaging Forums (NIF)**. The Institute for Medical Studies is accredited by the ACCME to provide CME for physicians.

IMS designates this educational activity for a maximum of 20 hours in Category 1 Credit toward the AMA Physician's Recognition Award. Each physician participant should claim only those hours of credit that he/she actually spent in the educational activity. Attendance certificates will be issued and mailed by NIF.

**Technologists:** This program has been submitted for approval of 20 hours of Category A CE credit (evidence of continuing education) by the American Society of Radiologic Technologists (ASRT). Guidelines approved by the ASRT for verifying technologist's attendance for each lecture will be followed and a certificate of attendance will be issued by Northwest Imaging Forums and will be mailed after the course.



[www.treasureisland.com](http://www.treasureisland.com)

Treasure Island Hotel and Casino (TI) offers a high-energy sophisticated resort offering elite amenities. With over 2,500 rooms and 220 suites, TI provides AAA Four Diamond Award Winning Service, over

90,000 square feet of gaming opportunities, delectable dining establishments and quality conference facilities. TI is located in the heart of the famous Las Vegas "Strip". Next door, connected by tram, is The Mirage. Directly across Las Vegas Blvd. are The Venetian and The Wynn properties. TI is also connected via a walking bridge to the **Fashion Show Mall** ([www.fashionshow.com](http://www.fashionshow.com)), an upscale facility containing seven flagship department stores and more than 250 extraordinary shops and restaurants. TI is also one of the busiest nightlife spots on the Las Vegas Strip offering the Tangerine Lounge & Nightclub, Kahunaville Restaurant & Party Bar, Mist Lounge, and Breeze Bar. TI offers the fabulous Mystère by Cirque du Soleil with an international cast of 72 performers featuring dancers, singers, musicians and champion-calibar acrobats. Also, you can experience the beautiful, tempting Sirens of TI in a battle of the sexes with a band of renegade pirates at Sirens' Cove. VIP Viewing is exclusive to TI hotel guests in these FREE live performances nightly. Free covered self parking is available at the hotel.



We have been given special reduced sleeping room rates at the Treasure Island Hotel. You may reserve a single or double sleeping room during the conference for \$119 per night. Friday & Saturday nights will be at a higher rate. You should contact Treasure Island Hotel group reservations by dialing **toll free (888) 503-8999** and referring to "**3T Neuro Conference**". The direct phone number for the Treasure Island is (702) 894-7111. We urge you to make reservations at your earliest convenience. **Reservations must be received by 06/05/06.** After that date, or when our room block becomes full, sleeping room requests will be subject to space availability and standard pricing.

Need more information about Las Vegas?  
[www.visitlasvegas.com](http://www.visitlasvegas.com)

### Disclaimer

Northwest Imaging Forums (NIF) claims no liability for the acts of any meeting sponsors or supporters. In addition, NIF claims no liability for the safety of any attendee while in transit to, from or during this conference. The total amount of NIF liability is limited to a possible registration fee refund minus a service fee (see formal cancellation policy).



## Conference Co-Directors

**Murray Solomon, M.D.**  
Medical Director  
Los Gatos MRI & 3T MRI  
of Menlo-Atherton

**Roger Freimarck**  
Director  
Northwest Imaging Forums

## Clinical Faculty

**Kenneth Bradshaw, Ph.D.**  
Chief Technical Officer  
MR Instruments, Inc.

**Christopher deCharms, Ph.D.**  
Director  
Omneuron 3T MRI Research

**Stephan G. Erberich, Ph.D.**  
Childrens Hospital, Los Angeles  
Assistant Professor of Radiology  
and Biomedical Engineering  
Keck School of Medicine  
Viterbi School of Engineering  
University of Southern California

**Ellen Grant, M.D.**  
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Massachusetts General Hospital for Children  
Harvard Medical School  
Athinoula A. Martinos Center for  
Biomedical Imaging

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Technologist  
3T MRI of Menlo-Atherton

**Meng Law M.D., MBBS FRACR**  
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and Radiology  
New York University School of Medicine

**Michael Moseley, Ph.D.**  
Professor of Radiology  
Stanford University Medical Center

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Nevada Imaging Centers

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Medical Director  
Los Gatos MRI & 3T MRI  
of Menlo-Atherton

**Keith R. Thulborn, M.D., Ph.D.**  
Professor of Radiology, Physiology  
and Biophysics  
Director of the MR Research Program  
Chief of Cross-Sectional Neuroradiology  
Center for MR Research  
University of Illinois

## Manufacturer Forum Presenters

**Christopher J. Boyea**  
Ultra High Field Marketing Manager  
Siemens Medical Solutions

**Joseph V. Fritz, Ph.D.**  
Director MR Clinical Science  
Philips Medical Systems North America

**Ryan Hofstetter**  
Marketing Manager  
Invivo

**Jed Roubique**  
Director of OEM Relations /  
Clinical Affairs  
MR Instruments, Inc.

**Mokhtar Ziarati**  
President  
Resonance Technology

## PROGRAM FORMAT

### Monday 6/26 (8.0 hours)

**7:00** Registration Desk Opens - Coffee, Tea & Pastries  
**8:00** Welcome & Opening Statement - *Murray Solomon, M.D.*

#### General 3T Neuro

**8:15** Understanding Current Clinical 3T Brain &  
Spine Imaging Applications -

*Val Runge, M.D.*

**9:30** Imaging Coil Challenges at 3T and Above -  
*Kenneth Bradshaw, Ph.D.*

**10:00** *Coffee Break*

#### Functional MRI (fMRI)

**10:20** Fundamentals of Clinical fMRI -

*Keith Thulborn, M.D., Ph.D.*

**11:35** Interactive Q & A with Faculty - Moderated by *Murray Solomon, M.D.*

**11:50** *Lunch on Your Own*

**1:00** 3T fMRI Manufacturer's "FORUM" :  
Today's Technology Placed in Today's Private Practice  
Commercial fMRI Technology - (10 minutes each)  
Thulborn Associates, Inc. - *Keith Thulborn, M.D., Ph.D.*  
Invivo - *Ryan Hofstetter*  
Resonance Technology - *Mokhtar Ziarati*  
MR Instruments - *Jed Roubique*  
Main Manufacturer fMRI Technology- (14 minutes each)  
Philips Medical Systems - *Joseph V. Fritz, Ph.D.*  
Siemens Medical Solutions - *Christopher J. Boyea*

**2:00** Clinical fMRI : Workflow and Integration -  
*Stephan G. Erberich, Ph.D.*

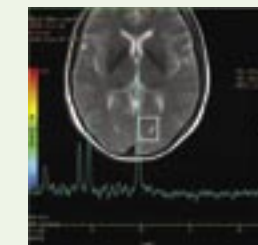
**3:00** *Coffee Break*

**3:20** Real Time Imaging of Brain Function at 3T:  
A New Potential Therapeutic Role for MRI - *Christopher deCharms, Ph.D.*

fMRI Case Study Review - *Keith Thulborn & Stephan G. Erberich, Ph.D.*

**4:10** Interactive Q & A with Faculty - Moderated by *Murray Solomon, M.D.*

**5:00** *End of fMRI Session*



### Tuesday 6/27 (cont.)

#### Perfusion Imaging & Arterial Spin Labeling (ASL)

**2:20** 3T Perfusion Imaging Update - *Ellen Grant, M.D.*

**3:10** *Coffee Break*

**3:30** ASL : Promises, Challenges & Case Studies - *Ellen Grant, M.D.*

**4:20** 3T Marketing Issues for Your Referring Community - *Murray Solomon, M.D.*

**4:50** Interactive Q & A with Faculty - Moderated by *Murray Solomon, M.D.*

**5:05** *End of Session*



### Wednesday 6/28 (4.5 hours)

#### Diffusion Tensor Imaging Tractography

**8:00** Registration Desk Opens - Coffee, Tea & Pastries  
nouncements

**8:40** DTI Tractography : Fundamentals & Case Studies -  
*William Orrison, Jr., M.D., MBA*

**9:30** Evolving DTI Tractography Applications for 3T Imaging -  
*Michael Moseley, Ph.D.*

**10:20** Interactive Q & A with Faculty - Moderated by *Murray Solomon, M.D.*

**10:35** Initiating 3T Imaging at Your Facility :  
Radiologists & Technologists Working Together -  
*Murray Solomon, M.D. and Rob Grey, R.T. (R)(MR)*

**11:05** *Coffee Break*

**11:25** The Future of 3 Tesla MRI in Private Practice : Potential Utility, Realistic  
Expectations and Practical Advice - *Michael Moseley, Ph.D.*

**12:15** Interactive Q & A with Faculty - Moderated by *Murray Solomon, M.D.*

#### Conclusion

**12:30** Exploring the Need / Desire for a Clinical 3 Tesla Imaging Society -  
*Murray Solomon, M.D.*

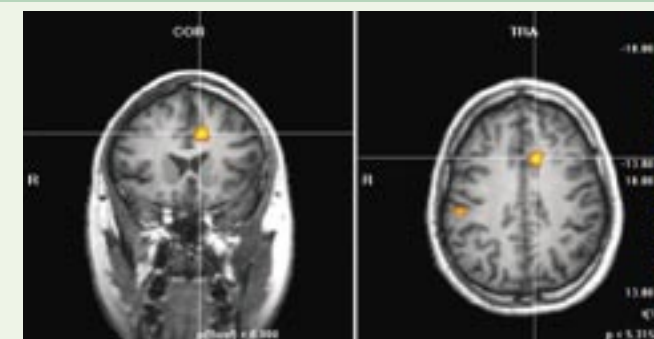
**1:00** *End of Conference*  
*(faculty, topics and format are subject to change)*

## Acknowledgements

Northwest Imaging Forums gratefully acknowledges the following  
corporate sponsor and supporters:

**Sponsor:** MR Instruments, Inc.

**Supporters:** Invivo  
Philips Medical Systems  
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## Cancellation Policy

All cancellation requests must be in writing.

- 1) Cancellations received **on or before 06/05/06** will receive a full registration refund. Those received **after 06/05/06 but before 06/22/06** will be refunded the registration fee less a 25% service charge.
- 2) No refunds or credit is available **on or after 06/22/06. No exceptions.**
- 3) In the event a national emergency, such as a nationwide airline shut-down makes it impossible to conduct the meeting, each paid registrant will receive a credit voucher to attend a future meeting.

## Registration Fees

### MD / PhD / Industry

**Early Fee:** payment received on or before 06/05/06 **\$445**  
**Standard Fee:** payment received after 06/05/06 but before 06/22/06 **\$485**  
**Late Fee:** payment received on or after 06/22/06 **\$515**

### RT / Resident\* / Military\*

**Early Fee:** payment received on or before 06/05/06 **\$315**  
**Standard Fee:** payment received after 06/05/06 but before 06/22/06 **\$355**  
**Late Fee:** payment received on or after 06/22/06 **\$385**

\* must include letter of documentation

## Registration Form (please print) This form may be copied

Registration is also available on line at : [www.nwforums.com](http://www.nwforums.com)

Note - Registration is confirmed and processed only when payment is received.  
Confirmation will then be mailed or emailed.

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Degree: MD PhD DO Industry RT Other \_\_\_\_\_

Email address: \_\_\_\_\_

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City \_\_\_\_\_ State \_\_\_\_\_ Zip code \_\_\_\_\_

Day Phone \_\_\_\_\_ work home cell (circle one)

I use a GE Philips Siemens None 3T MR System (circle one)

Payment enclosed or amount charged to credit card \$ \_\_\_\_\_

**Send confirmation & receipt by: Regular Mail Email (circle one)**

Charge to: VISA MasterCard American Express Discover (circle one)

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

3 Digit Credit Card Security Code (found on back of card) \_\_\_\_\_ Expiration Date \_\_\_\_\_

Cardholder's Name (print) \_\_\_\_\_

Cardholder's Signature (required) \_\_\_\_\_

**3T Neuro - 06**

**Checks payable / mail registration form to:**

Northwest Imaging Forums  
P.O. Box 25909  
Eugene, Oregon 97402 (call for street address if sending by overnight courier service)

**For more information or to register by Fax or phone call:**

Phone: (888) 683-4930 toll free 9 am - 6 pm M-F Pacific Time

(541) 683-4930 direct 9 am - 6 pm M-F Pacific Time

Fax: (541) 683-8499 24 hours a day

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