

Program

Tuesday, February 24, 2009

5:00 – 6:00 PM Registration

Wednesday, February 25, 2009

7:00 – 7:45 AM Continental Breakfast for Registrants

7:45 Welcome
Jay J. Pillai, M.D., ASFNR President

IMAGING METHODS – INTRODUCTION

- 8:00 Introduction to BOLD Imaging
Andrei I. Holodny, M.D.
- 8:30 Introduction to DTI and DT Fiber-tracking
Aaron S. Field, M.D., Ph.D.
- 9:00 Introduction to Proton MRS
Peter B. Barker, D.Phil.
- 9:30 Perfusion and Permeability Imaging
Meng Law, M.D., MBBS, FRACR

10:00 – 10:30 Coffee Break for Registrants

APPLICATIONS IN BRAIN TUMORS

- 10:30 Presurgical Functional Mapping:
A Neurosurgeon's Perspective
Alfredo Quiñones-Hinojosa, M.D.
- 11:00 Functional Anatomy of Language
Systems Relevant to Presurgical Planning
John L. Ulmer, M.D.
- 11:30 DWI and DTI of Brain Tumors, Including
Presurgical Mapping
Elias R. Melhem, M.D., Ph.D.
- 12:00 PM Clinical Impact of Integrated Physiologic
Brain Tumor Imaging
Jay J. Pillai, M.D.

12:30 Pick up Boxed Lunch for
"How-To Workstation Software Sessions"

12:40 Lunch "How-To Workstation Software Sessions"
Topic and Faculty TBD
(not accredited for AMA PRA Category 1 Credits™)

1:30 Panel Discussion – Economics and Reporting of
Clinical Functional Imaging – BOLD and MEG:
Challenges and How We Overcome Them

Moderator: *Scott H. Faro, M.D.*

Panel: *Scott H. Faro, M.D.; Andrei I. Holodny, M.D.;*
Jeffrey R. Petrella, M.D.; Jay J. Pillai, M.D.;
Alfredo Quiñones-Hinojosa, M.D.;
Timothy P.L. Roberts, Ph.D.; John J. Ulmer, M.D.;
Kirk M. Welker, M.D.

2:30 – 4:30 PARALLEL SESSIONS

BASIC BOLD: Parallel Session #1

Starting a Clinical fMRI Service
Moderator: *Keith R. Thulborn, M.D., Ph.D.*

- 2:30 Neuroradiologist's Perspective
Kirk M. Welker, M.D.
- 3:00 Technologist's Perspective
Steve Zomberg, R.T., (R)(MR)
- 3:30 – 4:00 Coffee Break for Registrants
- 4:00 MRI Physicist's Perspective
Keith R. Thulborn, M.D., Ph.D.

Wednesday, February 25, 2009 (Continued)

ADVANCED APPLICATIONS: Parallel Session #2

- Molecular Imaging
Moderator: *Michelle Bradbury, M.D., Ph.D.*
- 2:30 Introduction to Molecular Imaging
Faculty TBD
- 3:00 Molecular Imaging II, Including Molecular Imaging
of Brain Tumors
Faculty TBD
- 3:30 – 4:00 Coffee Break for Registrants
- 4:00 Advanced Diffusion Imaging of Brain Tumors:
HARDI Technique
Pratik Mukherjee, M.D., Ph.D.

4:30 Victor M. Haughton, M.D. Honorary Lecture:
Novel Approaches for Brain Tumor Imaging
Peter C.M. van Zijl, Ph.D.

5:00 End of Session

- 5:00 – 6:00 Study Group Meeting #1: Molecular Imaging
Michelle Bradbury, M.D., Ph.D.
- Study Group Meeting #2: BOLD
Keith R. Thulborn, M.D., Ph.D.

6:00 – 7:30 Welcome Reception

Thursday, February 26, 2009

7:00 – 7:55 AM Continental Breakfast for Registrants

7:55 Welcome
Jay J. Pillai, M.D., ASFNR President

CEREBROVASCULAR DISEASE

- 8:00 Dynamic Susceptibility Contrast Perfusion Imaging
Applications in Clinical Stroke Imaging
Howard A. Rowley, M.D.
- 8:30 Arterial Spin Labeling Applications in Stroke Imaging
Ronald L. Wolf, M.D., Ph.D.
- 9:00 Risk of Ischemia in Tissues Demonstrating
Paradoxical Cerebrovascular Reactivity
David J. Mikulis, M.D.
- 9:30 Non-Stroke Vascular Disease Imaging with ASL
Jeffrey M. Pollock, M.D.

10:00 – 10:30 Coffee Break for Registrants

EPILEPSY

- 10:30 DTI in Epilepsy
Christopher P. Hess, M.D., Ph.D.
- 11:00 MEG/BOLD in Epilepsy Presurgical Planning
Erin Simon Schwartz, M.D.
- 11:30 MRSI and Its Role in Epilepsy Imaging
Lester Kwock, Ph.D.
- 12:00 PM Pick up Boxed Lunch for "How-To Session"

12:10 Lunch "How-To Session"
Topic and Faculty TBD
(not accredited for AMA PRA Category 1 Credits™)

- 1:30 Panel Discussion – Perfusion Imaging and DTI:
Standardization and Reporting Challenges
Aaron S. Field, M.D., Ph.D.;
Meng Law, M.D., MBBS, FRACR;
Howard A. Rowley, M.D.;
Elias R. Melhem, M.D., Ph.D.;
Pratik Mukherjee, M.D., Ph.D.;
Ronald L. Wolf, M.D., Ph.D.

Thursday, February 26, 2009 (Continued)

NEURODEGENERATIVE, DEMYELINATING AND PSYCHIATRIC DISEASES

- 2:30 BOLD and DTI in Parkinson's and Other
Movement Disorders
Michael D. Phillips, M.D.
- 3:00 BOLD Imaging in Alzheimer's and MCI
Jeffrey R. Petrella, M.D.
- 3:30 – 4:00 Coffee Break for Registrants
- 4:00 BOLD/DTI in Psychiatric Disease I: Schizophrenia
Godfrey D. Pearlson, M.D.
- 4:30 BOLD/DTI in Psychiatric Disease II:
Substance Abuse
Godfrey D. Pearlson, M.D.
- 5:00 DTI/Fiber-tracking in Multiple Sclerosis
Daniel S. Reich, M.D., Ph.D.
- 5:30 End of Session
- 5:30 – 6:30 Study Group Meeting #3: MEG
Timothy P.L. Roberts, Ph.D.
- Study Group Meeting #4: Perfusion/Diffusion
Aaron S. Field, M.D., Ph.D. and
Meng Law, M.D., MBBS, FRACR

Friday, February 27, 2009

7:00 – 7:55 AM Continental Breakfast for Registrants

7:55 Welcome
Jay J. Pillai, M.D., ASFNR President

EMERGING APPLICATIONS AND TECHNIQUES FOR FUNCTIONAL IMAGING: THE PRESENT AND THE FUTURE

- 8:00 Ultra High Field MRS
Peter B. Barker, D.Phil.
- 8:30 Ultra High Field Diffusion Imaging
Pratik Mukherjee, M.D., Ph.D.
- 9:00 High Field Non-Proton Magnetic
Resonance Imaging
Keith R. Thulborn, M.D., Ph.D.
- 9:30 BOLD – Functional Connectivity Imaging
James J. Pekar, Ph.D.
- 10:00 – 10:15 Coffee Break for Registrants
- 10:15 Imaging of Olfaction: Current Knowledge
and Potential Future Clinical Applications
Lucien M. Levy, M.D., Ph.D.
- 10:45 Future Applications of MEG:
Functional Imaging in the 4th Dimension
Timothy P.L. Roberts, Ph.D.
- 11:15 Practical ASL Imaging in a Busy Clinical Practice
Joseph A. Maldjian, M.D.
- 11:45 Closing Remarks
Jay J. Pillai, M.D.

12:00 PM End of Meeting

If you receive more than one brochure,
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