

Neuroradiology Education and Research (NER) Foundation
 Symposium 2004: Integration of Imaging Strategies in Neuroradiology
 and ASNR 42nd Annual Meeting
 June 5 -11, 2004
 Washington State Convention & Trade Center
 Seattle, Washington
 Preliminary Program (4-21-04 con)

(Meals and Breaks: Breakfast, Morning and Afternoon Coffee Services, and Boxed Lunches will be provided throughout the week). All Symposium session will take place in Ballroom 6 B/C of the Washington State Convention & Trade Center.

Day/Date/Time	Session #	Function	Location
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Saturday, June 5

**The Neuroradiology Education and Research Foundation Symposium 2004:
 Integration of Imaging Strategies in Neuroradiology**

1:00pm - 3:00pm	SY1 CEU 2	NEOPLASTIC DISEASE	Ballroom 6 B/C
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Moderators: Kenneth R. Maravilla, MD, Andrei I. Holodny, MD

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|-----------------|---|---|
| 1:00pm -1:05pm | Introduction | - Victor M. Haughton, MD,
ASNR President-Elect / Program Chair |
| 1:05pm - 1:25pm | Mechanisms of Tumor Progression: Angiogenesis, Hypoxia, and Invasion | - Daniel J. Brat, MD, PhD |
| 1:25pm - 1:50pm | Anatomic Determinants of Tumor Growth: Integrating Quantitative Modeling and Imaging | - Kristin R. Swanson, PhD |
| 1:50pm - 2:15pm | Functional MR Imaging for the Study of Brain Neoplasms | - Bruce R. Rosen, MD, PhD |
| 2:15pm - 2:35pm | The Role of Diffusion Tensor Imaging in Cerebral Tumor Diagnosis and Therapy | - Aaron S. Field, MD, PhD |
| 2:35pm - 3:00pm | Principles of Neurologic Organization of Motor Function in the Brain and Relevance to Tumor Therapy | - Steve Cramer, MD |

3:00pm - 3:40pm

AFTERNOON BREAK

3:45pm - 5:25pm	SY2 CEU 1.75	NEOPLASTIC DISEASE	Ballroom 6 B/C
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Moderators: Kenneth R. Maravilla, MD, Andrei I. Holodny, MD

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| 3:45pm - 4:05pm | Preoperative and Postoperative Mapping of Eloquent Regions of the Brain | - Andrei I. Holodny, MD |
| 4:05pm - 4:25pm | Anatomic and Functional Imaging in the Planning of Conformal Radiation Therapy | - Soonmee Cha, MD |
| 4:25pm - 4:45pm | Assessing the Patient with Glioma for Recurrent Disease | - William P. Dillon, MD |
| 4:45pm - 5:05pm | Exceeding the k-Space Speed Limit: In Search of Much Faster Neurologic MR Imaging and CT | - Charles A. Mistretta, PhD |
| 5:05pm - 5:25pm | Neurosurgical Perspectives on Brain Mapping | - Jeffrey Ojemann, MD |

6:30am - 7:55am

BREAKFAST

6:45am - 7:45am

HOW-TO SESSION BREAKFAST- Philips Medical Systems

8:00am - 9:45am

SY3

DEMENTIA, NEURODEGENERATIVE DISEASES AND PSYCHIATRIC DISEASES

Ballroom 6 B/C

CEU 1.75

Moderators: Carolyn Cidis Meltzer, MD, Victor M. Haughton, MD

- 8:00am - 8:25am Pathophysiology of Geriatric Dementia
- Thomas J. Montine, MD, PhD
- 8:25am - 8:45am MR Imaging in Alzheimer Disease
- Clifford R. Jack, MD
- 8:45am - 9:05am Imaging Markers for Dementia and Neurodegenerative Diseases
- Carolyn Cidis Meltzer, MD
- 9:05am - 9:25am Dementia and Neurodegenerative Disease: A Clinical Role for Functional MR Imaging
Keith R. Thulborn, MD, PhD
- 9:25am - 9:45am Abnormal Brain Functions in Psychosis: Lessons from Functional MR Imaging
Deborah Yurgelun-Todd, MD

9:45am - 10:10am

MORNING BREAK

10:15am - 12:05pm

SY4

DEMENTIA, NEURODEGENERATIVE DISEASES AND PSYCHIATRIC DISEASES

Ballroom 6 B/C

CEU 1.75

Moderators: Carolyn Cidis Meltzer, MD, Victor M. Haughton, MD

- 10:15am-10:35am Affective and Emotional Disorders: View of the Pathophysiology from Psychiatry and Implications for Imaging
Stephen R. Dager, MD
- 10:35am -11:05am Molecular Imaging in Neurodegenerative Disease
- Martin G. Pomper, MD, PhD
- 11:05am - 11:25am The Evolving Imaging Platform for Integrated Imaging
John E. Desmond, PhD
- 11:25am - 12:05pm **KEYNOTE ADDRESS:** The Platform for Integrated Neurologic MR Imaging
Gary H. Glover, MD

12:05pm - 1:25pm

LUNCH BREAK

1:30pm - 3:15pm

SY5

VASCULAR DISEASE

Ballroom 6 B/C

CEU 1.75

Moderators: A. Gregory Sorensen, MD, Howard A. Rowley, MD

- 1:30pm - 1:55pm Cerebral Microvessel Response to Focal Ischemia
- Gregory J. del Zoppo, MD
- 1:55pm - 2:15pm Pathophysiology of Ischemic Stroke
- Eng H. Lo, PhD
- 2:15pm - 2:35pm Cerebral Ischemia: Lessons from MR Imaging
- Howard A. Rowley, MD
- 2:35pm - 2:55pm Regulation of Relative Cerebral Blood Flow: Lessons from Functional Imaging
- Norman J. Beauchamp, Jr., MD, MHS
- 2:55pm - 3:15pm Cerebral Hemodynamic Impairment: Lessons from CT Perfusion
- Ellen G. Hoeffner, MD

3:15pm - 3:40pm

AFTERNOON BREAK

3:45pm - 4:45pm	SY6 CEU 1	VASCULAR DISEASE	Ballroom 6 B/C
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Moderators: A. Gregory Sorensen, MD, Howard A. Rowley, MD

- 3:45pm - 4:05pm From Bench to Bedside: Evolving Experimental MR Imaging Technology for Cerebral Ischemia
- Allistair M. Buchan, MD
- 4:05pm - 4:25pm Applications of High-Field-Strength MR Imaging in Stroke
- Robert J. Sevick, MD, FRCPC
- 4:25pm - 4:45pm Bringing It All Together: Perfusion MR Imaging in Acute Stroke
- A. Gregory Sorensen, MD