



*Treasuring the Past
Shaping the Future*

4th Leonard Berg Symposium

Early Detection of Alzheimer's Disease:

Structural, Functional & Molecular Neuroimaging

September 19-20, 2003
Chase Park Plaza Hotel, St. Louis

Sponsored by:

Alzheimer's Disease Research Center
Department of Neurology
Washington University School of Medicine
St. Louis, Missouri, USA

Symposium Details

Welcome to the 4th Leonard Berg Symposium! The Symposium honors ADRC Founding Director and Professor Emeritus of Neurology, Dr. Leonard Berg (see profile on page 6). We have a lot to cover over the next day and a half. Please be conscious of the program schedule (page 9) and take your seat promptly at the start of each session. Slides for each presentation are reprinted starting on page 46.

- All are invited to participate in a **Poster Session and Reception** from 5-6 PM on Friday in the rear of the Ballroom (see abstracts on page 13).
- Out of courtesy to the presenters and other attendees, please switch **cell phones and pagers** to vibrate mode or turn them off altogether.
- **Restrooms** are located to the right as you exit the Auditorium. Go up the steps (or ramp) into the next room. The Men's and Women's Restrooms are located on back wall directly ahead.
- Please complete the **Evaluation Form** (page 4), tear it out, and turn it at the Registration Desk at the end of the Symposium. Certificates of attendance will be available starting at 3 pm on Saturday.
- **There will be a few minutes at the end of each presentation for questions.** If you have a question, please line up behind one of the microphones at the rear of the seating area. The presenter or Session Moderator will call on you as time allows.

Symposium Organizing Committee

- ❑ John C. Morris, M.D. (Symposium Chairperson)
- ❑ Eugene M. Johnson, Jr., Ph.D.
- ❑ David M. Holtzman, M.D.
- ❑ Randy L. Buckner, Ph.D.
- ❑ John G. Csernansky, M.D.
- ❑ Thomas M. Meuser, Ph.D. (Symposium Coordinator)

Special Thanks

- ❑ ADRC Education Core Staff
 - Ronald Hawley (Computer Projection)
 - Karen Parker Davis, MS, OTR (Poster Session)
 - Elaine Alexander (Registration Desk)
- ❑ Alan and Kelly Classen, and their colleagues, from Pfizer, Inc.
- ❑ Patrice Horton, WUSM CME Office
- ❑ Leanne Mervis and Amy Baca, Chase Park Plaza Hotel
- ❑ Volunteers from the various ADRC Cores & Labs
- ❑ Organizations that helped advertise the Symposium (including ADEAR Center, Alzheimer's Association, Alzheimer's Research Forum)

Sponsor Contact Information

Alzheimer's Disease Research Center (ADRC)

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SYMPOSIUM PROGRAM

Session 1: Structural Neuroimaging

Friday, September 19, 2003

Khorassan Ballroom, Chase Park Plaza Hotel

10:00 AM	Registration Desk Opens (outside the Khorassan Ballroom)
11:30 AM	Symposium Faculty Luncheon (Plaza Room – <i>By invitation only</i>)
12:45 PM	Welcome & Opening Remarks John C. Morris , M.D., Friedman Distinguished Professor of Neurology; Co-Director, Alzheimer's Disease Research Center, Washington University (Session 1 Moderator)
1:00	MRI / MRS: Risk and Progression in Alzheimer's Disease Clifford R. Jack , M.D., Professor of Diagnostic Radiology, Mayo Clinic
1:40	Predicting cognitive decline with MRI / MRS Michael W. Weiner , M.D., Professor of Medicine, Radiology, and Psychiatry, University of California - San Francisco
2:20	Measuring Progression: Could We Detect a Disease Slowing Effect with Serial MRI? Nick C. Fox , M.D., Consultant Neurologist and Research Scientist, National Hospital for Neurology and the Institute of Neurology, London, England
3:00	BREAK (<i>beverage & snack</i>)
3:30	Automated Methods for Brain Segmentation and Morphometric Analysis Anders Dale , Ph.D., Associate Professor of Radiology, Harvard University
4:10	Detecting Early Forms of AD using the Tools of Computational Anatomy John G. Csernansky , M.D., Couch Professor of Psychiatry, Washington University
4:50 – 6:00	Poster Session / Wine & Cheese Reception (Khorassan Ballroom – West)

Session 2: Functional Neuroimaging

Saturday, September 20, 2003

Session Moderator: [John C. Morris](#), M.D., Friedman Distinguished Professor of Neurology; Co-Director, Alzheimer's Disease Research Center, Washington University

8:00 AM	Registration Desk Opens / Continental Breakfast
9:00	Imaging the Earliest Stage of AD: Metabolic Dysfunction in the Entorhinal Cortex Scott A. Small, M.D., Irving Assistant Professor of Neurology, Columbia University
9:45	Functional MRI studies of associative memory in early Alzheimer's disease Reisa Sperling , M.D., M.MSc., Assistant Professor of Neurology, Brigham & Women's Hospital
10:30	BREAK (<i>beverage & snack</i>)

11:00	Age-Associated Functional Changes in Memory Encoding <u>Randy Buckner</u> , Ph.D., Associate Professor of Psychology & Radiology, Washington University
11:45	Lunch Buffet for All Attendees (Lindell Room, below the Khorassan Ballroom)

Session 3: Molecular Neuroimaging

Saturday, September 20, 2003

Session Moderator: David Holtzman, M.D., Hagemann Professor of Neurology, Washington University

1:15 PM	FDG PET in the Study of Cognitively Normal Persons at Genetic Risk for AD <u>Eric Reiman</u> , M.D., Professor & Associate Head of Psychiatry, University of Arizona; Scientific Director, PET Center, Good Samaritan Regional Medical Center
2:00	Novel Ligands for Imaging Aβ Plaques <u>Hank F. Kung</u> , Ph.D., Professor of Radiology and Pharmacology, University of Pennsylvania
2:45	BREAK (<i>beverage & snack</i>)
3:15	Update on In Vivo Imaging of Plaques and Tangles <u>Gary W. Small</u> , M.D., Parlow-Solomon Professor on Aging, Professor of Psychiatry, University of California – Los Angeles
4:00	Benzothiazole Amyloid-Imaging Agents for PET <u>William E. Klunk</u> , M.D., Ph.D., Associate Professor of Psychiatry, University of Pittsburgh
4:45	Closing Remarks <u>John C. Morris</u> , M.D., Friedman Distinguished Professor of Neurology; Co-Director, Alzheimer's Disease Research Center, Washington University
5:00	Adjourn

**Please turn in your evaluation form at the registration desk at the end of the Symposium. Certificates of attendance will be available for those who need them.
Thank you.**