



Washington  
University in St. Louis  

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SCHOOL OF MEDICINE

## 5<sup>th</sup> Leonard Berg Symposium

**Antecedent Biomarkers for the Early &  
Preclinical Detection of Alzheimer's Disease**

October 7-8, 2005

Eric P. Newman Education Center  
Washington University School of Medicine

Sponsored by:

Alzheimer's Disease Research Center  
Department of Neurology  
Washington University School of Medicine  
St. Louis, Missouri, USA  
John C. Morris, MD, Principal Investigator & Director

## SYMPOSIUM DETAILS

Welcome to the 5<sup>th</sup> Leonard Berg Symposium presented by the Washington University Alzheimer's Disease Research Center (ADRC)! 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 two days. 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 12. Registrants are listed in Appendix A.

- Complimentary valet parking is provided both days. We will also validate parking tickets when possible. The North Garage is for patient parking only on Friday, but you can park there Saturday.
- 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, behind the registration desk.
- **There may be a few minutes at the end of each presentation for questions.** The Session Moderator or Presenter will invite questions as time allows. There are also two scheduled Q&A panels. If you have a question, please line up behind one of the microphones in the main isles.
- **A continental breakfast and buffet lunch are provided on both days.** Lunch will be in Great Rooms A & B (see map on page 5). Please line up on both sides of the buffet tables (4 lines) so that everyone can get their food as efficiently as possible. There will be limited assigned seating for special guests only. Reserved tables will be marked. Feel free to sit wherever you wish otherwise. We have a very big group for lunch, so please fill in all seats.
- All are invited to participate in a **Poster Session and Reception** from 5-6:30 PM on Friday in the Atrium Lobby.
- Please complete the **Evaluation Form** in your packet and turn it at the Registration Desk at the end of the Symposium.

## SYMPOSIUM ORGANIZING COMMITTEE

- ❑ John C. Morris, M.D. (Symposium Chairperson)
- ❑ Eugene M. Johnson, Jr., Ph.D.
- ❑ David M. Holtzman, M.D.
- ❑ James Galvin, M.D.
- ❑ Virginia D. Buckles, Ph.D.
- ❑ Alison Goate, D.Phil.
- ❑ Thomas M. Meuser, Ph.D. (Symposium Coordinator)

## OBJECTIVES

This 2-day conference will review current and emerging findings concerning:

- (1) Risk factors for Alzheimer's disease (AD) identified in pre-clinical and early clinical stages.
- (2) Genetic markers for AD development and progression.
- (3) Preclinical detection of AD through the use of antecedent biomarkers & related neuroimaging techniques.

## FUNDING SUPPORT

This program is made possible, in part, through an Educational Grant from Janssen Pharmaceuticals (a Johnson & Johnson Company) and the National Institute on Aging (Grant P50 AG05681, J.C. Morris, Principal Investigator).

## CONTINUING MEDICAL EDUCATION

Washington University is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. Washington University designates this educational activity for maximum of 13 hours in category 1 credit toward the AMA Physician's Recognition Award. Each physician should claim only those hours of credit that he/she actually spent in the educational activity.

All participants in today's program will receive a **Certificate of Attendance**. These may be collected from the Registration Desk when the program is finished.

Physicians, advanced practice nurses and physician assistants wishing to receive AMA Category 1 credits should complete the CME form in the packet and hand it in at the Registration Desk before leaving.

## DISCLOSURE POLICY

It is the policy of Washington University School of Medicine, Continuing Medical Education, to ensure balance, independence, objectivity and scientific rigor in all its educational activities. All faculty participating in this activity are expected to disclose to the audience any significant financial interest or other relationship he/she has with the manufacturer(s) of any commercial product(s) discussed in an educational presentation. Disclosure forms are reprinted in Appendix B.

## SPECIAL THANKS

- ❑ ADRC Education Core Staff
  - Ronald Hawley (AV Coordination)
  - Karen Parker Davis, MS, OTR (Poster Session Planning & Setup)
  - Abbey DeWeese & Elaine Alexander (Registration Desk)
- ❑ Volunteers from the various ADRC Cores & Labs
- ❑ Staff of the Eric. P. Newman Education Center
- ❑ Richelle Tirone, The Parkway Hotel
- ❑ Organizations that helped advertise the Symposium (including the ADEAR Center, Alzheimer's Association, Alzheimer's Research Forum)

## SPONSOR CONTACT INFORMATION

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Website: <http://alzheimer.wustl.edu>

## SYMPOSIUM PROGRAM

Friday, October 7, 2005

<b>Session 1: Risk Factors for Preclinical Alzheimer's Disease</b>	
7:30 AM	Registration Desk Opens & Continental Breakfast (Atrium Lobby, EP Newman Center)
8:15	<b>Welcome &amp; Opening Remarks</b> John C. Morris, MD, Friedman Distinguished Professor of Neurology Principal Investigator & Director, Alzheimer's Disease Research Center, Washington University School of Medicine (WUSM)
8:30	<b>The Epidemiological Perspective</b> Claudia H. Kawas, MD, Professor of Neurology, and Neurobiology & Behavior University of California - Irvine
9:15	<b>Predictors of Alzheimer's Disease</b> Kristine Yaffe, MD Associate Professor of Psychiatry, Neurology, and Epidemiology & Biostatistics University of California - San Francisco
10:00	Break (beverage & snack)
10:30	<b>Clinical-Cognitive Markers from a Longitudinal Study of Aging &amp; Dementia</b> James Galvin, MD, MPH, Assistant Professor of Neurology, WUSM
11:15	Q & A Panel (Moderator: John C. Morris, MD)
11:45 PM	<b>Buffet Luncheon (Great Rooms A &amp; B)</b>  <i>KEYNOTE ADDRESS (12:15 - 1:00 PM)</i> <b>A Brief History of Alzheimer's Disease Research in the United States</b> Zaven Khachaturian, PhD, Khachaturian, Radebaugh & Associates, Inc.
<b>Session 2: Genetic Markers of Alzheimer's Disease</b>	
1:15	<b>Genetic Factors as Antecedent Markers for Alzheimer's Disease</b> Alison M. Goate, DPhil, Professor of Psychiatry and Genetics, WUSM
2:00	<b>Quantitative Traits in Complex Diseases: The Cardiovascular Disease Perspective</b> Laura Almasy, PhD, Associate Scientist, Department of Genetics, Southwest Foundation for Biomedical Research
2:45	<b>The Application of Genomic &amp; Proteomic Techniques in Cancer</b> Jeffrey Milbrandt, MD, Professor of Pathology & Immunology, WUSM
3:30	<b>Alzheimer's Biomarker Knowledge Base Project</b> Sherrilynne Fuller, PhD, Professor of Medical Education & Biomedical Informatics, University of Washington
3:45	<b>BREAK (beverage &amp; snack)</b>

<b>Special Session: Celebrating AD Research - Past &amp; Future</b>	
4:00	<b>The NIA Alzheimer's Disease Centers Program</b> Marcelle Morrison-Bogorad, PhD, Director, Neuroscience and Neuropsychology of Aging Program, National Institute on Aging Creighton Phelps, PhD, Director, Alzheimer's Disease Centers Program, National Institute on Aging
4:20	<b>Alzheimer's Disease Research at Washington University: 20 Years of Teamwork &amp; Discovery</b> John C. Morris, MD, Friedman Distinguished Professor of Neurology Principal Investigator & Director, Alzheimer's Disease Research Center, WUSM
4:40	<b>Personal Reflections on Alzheimer's Disease Research</b> Leonard Berg, MD, Professor Emeritus of Neurology, & Founding Director, ADRC, WUSM
5:00 - 6:30	<b>Reception &amp; Poster Session (Lobby)</b>
7:00	<b>Faculty Dinner (Bar Italia, 13 Maryland Plaza, Central West End, St. Louis)</b> <i>For presenting faculty and invited guests only. Address any questions to Symposium Coordinator, Dr. Tom Meuser.</i>

## Saturday, October 8, 2005

<b>Session 3: Antecedent Biomarkers for Alzheimer's Disease</b>	
7:00 AM	<b>Biomarkers Working Group Meeting &amp; Breakfast (Parkway Hotel Conference Room)</b>
7:30	<b>Registration Desk Opens &amp; Continental Breakfast (Lobby, EP Newman Education Center)</b>
8:30	<b>Welcome &amp; Opening Remarks</b> Eugene M. Johnson, Jr., PhD, Stupp Professor of Neurology; Professor of Molecular Biology & Pharmacology, WUSM
8:40	<b>Lifestyle Factors and the Search for Antecedent Biomarkers: A Clinician's Perspective</b> Eric B. Larson, MD, MPH, FACP, Professor of Medicine, University of Washington School of Medicine
9:25	<b>Antecedent Biomarkers for AD: Data from Unbiased &amp; Biased Approaches</b> David M. Holtzman, M.D., Jones Professor & Chairman of Neurology, WUSM
10:10	<b>BREAK (beverage &amp; snack)</b>
10:30	<b>Identifying Candidate Biomarkers for AD: An Industry Perspective</b> Howard Schulman, PhD, Vice President of Research and Development, SurroMed, Inc.
11:15	<b>NIA Alzheimer's Disease Neuroimaging Initiative - Biomarkers Program</b> John Trojanowski, MD, Professor of Pathology & Laboratory Medicine; Director, Institute on Aging Director, Alzheimer's Disease Center; Co-director, Center for Neurodegenerative Disease Research; University of Pennsylvania

12:00 PM	<p><b>Buffet Luncheon (Great Rooms A &amp; B)</b></p> <p><i>KEYNOTE ADDRESS (12:30 - 1:15 PM)</i></p> <p><b>Alzheimer's Disease Research: The Next 20 Years</b>  Dennis Selkoe, MD, Vincent and Stella Coates Professor of Neurologic Diseases, Harvard Medical School &amp; Brigham and Women's Hospital</p>
<p><b>Session 4: Neuroimaging and the Detection of Preclinical Alzheimer's Disease</b></p>	
1:30	<p><b>Structural &amp; Functional Neuroimaging for Preclinical Detection</b>  Randy Buckner, Ph.D., Associate Professor of Psychology &amp; Radiology, Washington University</p>
2:15	<p><b>Benzothiazole Amyloid-Imaging Agents</b>  William E. Klunk, M.D., Ph.D., Associate Professor of Psychiatry, University of Pittsburgh</p>
3:00	<p><b>PIB Imaging at Washington University</b>  Mark Mintun, MD, Professor of Radiology and Psychiatry, WUSM</p>
3:30	<p><b>Q &amp; A Panel (Moderator: John C. Morris, MD)</b></p>
4:00	<p><b>Closing Remarks &amp; Evaluation</b></p>