



Washington
University in St. Louis

SCHOOL OF MEDICINE

7th Leonard Berg Symposium

Presymptomatic Detection of Dominantly Inherited Alzheimer's Disease

October 1-2, 2009

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, Berg Symposium Chair
www.alzheimer.wustl.edu

SYMPOSIUM DETAILS

Welcome to the 7th Leonard Berg Symposium presented by the Washington University Alzheimer's Disease Research Center (ADRC). The Symposium honors ADRC Founding Director Dr. Leonard Berg (see profile on page 4). As we have much to cover, please be conscious of the program schedule and take your seat promptly at the start of each session.

Presentation slides will be made available online starting the week after the symposium at: <http://alzheimer.wustl.edu/Education/Berg/Berg2009/>

- We will validate parking in the **Metro Garage** both days. This garage is located just southeast of the Eric P. Newman Education Center (EPNEC) building at the intersection of Taylor and Children's Place. Please bring your garage ticket to the greeter seated at the entrance to EPNEC.
- Out of courtesy to the presenters and other attendees, please switch **cell phones and pagers** to vibrate mode or turn them off.
- **Restrooms** are located to the right as you exit the Auditorium.
- **There are two scheduled Q&A panels.** If you have a question, please write it down on one of the postcards provided. Staff will collect these cards just prior to the start of each Q&A session.
- **A buffet lunch** will be provided on both days of the Symposium in Great Rooms A & B (see map on page 3). Please line up on both sides of the buffet tables 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. There will also be a continental breakfast available on Day 2 of the Symposium.
- All are invited to participate in a **Poster Session and Reception** from 5:00-6:00 PM on Thursday in the EPNEC lobby.
- Please complete the **Evaluation Form** in your packet and turn it in 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.
- ❑ Alison Goate, D.Phil.
- ❑ Randall Bateman, M.D.
- ❑ Virginia Buckles, Ph.D.
- ❑ Mary Coats, MSN GCNS-BC

OBJECTIVES

The objectives of this 2-day conference are to:

- (1) Review current research regarding dominantly inherited forms of Alzheimer's disease.
- (2) Recognize how research on dominantly inherited AD may inform our thinking about sporadic forms of the disease.
- (3) Discuss the challenges and opportunities of research in this area.

FUNDING SUPPORT

This program is made possible, in part, through educational grants from Elan Pharmaceuticals 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 a maximum of 10 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**.

Physicians, advanced practice nurses, and physician assistants wishing to receive AMA Category 1 credits should complete the CME form available at the Registration Desk 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 this booklet.

SPECIAL THANKS

- ❑ ADRC Education Core
 - Ronald Hawley (AV Coordination)
 - Myrtis Spencer
 - Barbie Kuntemeier
 - Dr. James Galvin
- ❑ Volunteers from the various ADRC Cores & Labs
- ❑ Staff of the Eric. P. Newman Education Center
- ❑ Richelle Tirone, The Parkway Hotel
- ❑ Kris Pollman, Gwins Travel
- ❑ Organizations that helped advertise the Symposium (including the ADEAR Center and the Alzheimer's Association)

SPONSOR CONTACT INFORMATION

Alzheimer's Disease Research Center (ADRC)
Department of Neurology
Washington University School of Medicine
4488 Forest Park Ave., Suite 130
St. Louis, MO 63108
(314) 286-2683
Website: <http://alzheimer.wustl.edu>

7th Leonard Berg Symposium

Presymptomatic Detection of Dominantly Inherited Alzheimer's Disease

October 1-2, 2009

Eric P. Newman Education Center, Washington University School of Medicine

SYMPOSIUM PROGRAM

Thursday, October 1

Session 1	
11:15 AM	Registration Desk Opens and Poster Set-Up (Lobby, Eric P. Newman Education Center)
12:00 PM	Welcome & Opening Remarks (Great Rooms A & B) Mark S. Wrighton , Chancellor, Washington University; Larry J. Shapiro , Executive Vice Chancellor and Dean, Washington University School of Medicine; John C. Morris , Principal Investigator & Director of the Alzheimer's Disease Research Center, Washington University School of Medicine
12:15	Lunch with Keynote Speaker (Great Rooms A & B) Challenges and Progress in Characterizing the (Phenotypic) Emergence of Pre-Manifest Huntington Disease Ira Shoulson , MD, Louis C. Lasagna Professor of Experimental Therapeutics and Professor of Neurology, Pharmacology and Medicine, University of Rochester School of Medicine and Dentistry
1:00	Break
1:15	Dominantly Inherited Alzheimer's Network Overview John Morris , MD, Friedman Distinguished Professor of Neurology, Principal Investigator & Director of the Alzheimer's Disease Research Center, Washington University School of Medicine
1:45	Clinical Phenotype Martin Rossor , MD, FRCP, Professor of Clinical Neurology, Chairman of the Division of Neurology, Institute of Neurology, London
2:15	Pathology Bernardino Ghetti , MD, Distinguished Professor, Dept. of Pathology & Laboratory Medicine, Director of the Indiana Alzheimer Disease Center, Indiana University School of Medicine
2:45	Break (beverage and snack)
3:00	The Course of Cognitive Decline in Familial Alzheimer's Disease Due to PSEN1 and APP Mutations John Ringman , MD, Associate Professor & Director, Kagan Alzheimer Disease Treatment Development Program, University of California - Los Angeles Alzheimer's Disease Center

3:30	<p>Long Term Outcomes of Predictive Genetic Testing</p> <p>Kimberly Quaid, PhD, Professor of Medical and Molecular Genetics, Director of Predictive Testing Program, Indiana University School of Medicine</p>
4:00	<p>Family Perspective</p> <ol style="list-style-type: none"> 1. Maritza Ciliberto, Ed.M., Teacher, Boston Public Schools; Former Manager of Medical and Community Outreach, Alzheimer's Association - Massachusetts/New Hampshire Chapter 2. Denise Heinrichs, Area Agency on Aging; Caregiver
4:30	<p>Q & A Panel</p>
5:00 - 6:00	<p>Reception and Poster Session (Lobby)</p>
7:00	<p>Faculty Dinner at the Wild Flower</p> <p><i>For Symposium faculty and invited guests only.</i></p>

Friday, October 2

Session 2	
7:30 AM	<p>Registration Desk Opens & Continental Breakfast (Lobby, Eric P. Newman Education Center)</p>
7:50	<p>Welcome & Opening Remarks</p> <p>John C. Morris, MD, Friedman Distinguished Professor of Neurology, Principal Investigator & Director of the Alzheimer's Disease Research Center, Washington University School of Medicine</p>
8:00	<p>Keynote - Gain and Loss of Presenilin's Functions in Alzheimer's Disease</p> <p>Bart De Strooper, MD, PhD, Professor of Molecular Medicine, Head of the Dept. for Human Genetics, University of Leuven and VIB, Belgium</p>
8:30	<p>Genetic Risk Factors for Alzheimer's Disease</p> <p>Alison Goate, PhD, Samuel & Mae S. Ludwig Professor of Genetics in Psychiatry, Washington University School of Medicine</p>
9:00	<p>Antecedent CSF Biomarkers of Alzheimer's Disease and Dominantly Inherited Alzheimer's Disease</p> <p>David Holtzman, MD, Andrew B. and Gretchen P. Jones Professor of Neurology and Molecular Biology & Pharmacology, Head of Dept. of Neurology, Washington University School of Medicine</p>
9:30	<p>Amyloid-Beta Dynamics in the Human CNS</p> <p>Randall Bateman, MD, Assistant Professor of Neurology, Washington University School of Medicine</p>
10:00	<p>Break (beverages and snacks)</p>

10:15	<p>Structural (MR) Imaging in FAD</p> <p>Nicholas Fox, MD, FRCP, Professor of Clinical Neurology, Institute of Neurology, University College London</p>
10:45	<p>The End of the Beginning of Amyloid Imaging</p> <p>Keith Johnson, MD, Associate Professor, Radiology & Neurology, Massachusetts General Hospital, Harvard Medical School</p>
11:15	<p>Hot Topics</p> <p>1. “Longitudinal Changes in Amyloid Deposition in Dominantly Inherited eFAD” William Klunk, MD, PhD, Professor of Pathology & Neurology, University of Pittsburgh</p> <p>2. “CSF B1-42 Amyloid and Total Tau Analysis in Alzheimer Disease Families with PSEN1 Mutations” Raquel Sanchez-Valle, MD, PhD, Hospital Clinic, Alzheimer Disease and Other Cognitive Disorders Unit, Neurology Dept., Barcelona, Spain</p> <p>3. “Brain Imaging in the Pre-Symptomatic Detection, Tracking and Prevention of Alzheimer’s Disease” Eric Reiman, MD, Director, Alzheimer’s Disease Research Program & Scientific Director, PET Center, Banner Good Samaritan Medical Center; Professor and Associate Head for Research and Development (Phoenix Campus), Department of Psychiatry, University of Arizona</p>
11:45	<p>Considerations for Potential Treatment and Clinical Trials of Dominantly-Inherited Alzheimer’s Disease</p> <p>Dale Schenk, PhD, Executive Vice President & Chief Scientific Officer, Elan Pharmaceuticals, California</p>
12:15	Q & A Panel
12:45	Lunch