

# THE 2010 ARIZONA ALZHEIMER'S CONSORTIUM 12<sup>TH</sup> ANNUAL CONFERENCE

## ALZHEIMER'S DISEASE RESEARCH AND CLINICAL CARE: PROGRESS THROUGH COLLABORATION

8:00 – 8:30 REGISTRATION / CONTINENTAL BREAKFAST

8:30 – 8:45 WELCOMING REMARKS

Leslie Tolbert, Ph.D., Vice President for Research, Graduate Studies, and Economic Development, University of Arizona, Consortium Board Member, Conference Host

8:45 – 9:00 INTRODUCTION

Eric Reiman, M.D., Director, Arizona Alzheimer's Consortium

9:00 – 9:50 COMMUNITY AWARENESS FORUM: "FACING ALZHEIMER'S TOGETHER"

Moderated by Alfred Kaszniak, Ph.D., Head, Department of Psychology, University of Arizona, Consortium Board Member

(9:00 – 9:20) • John Theobald Memorial Community Service Award Presentation Recipient: Joan Rankin Shapiro, Ph.D.

(9:20 – 9:50) • Richard Caselli, M.D., Professor and Chair, Department of Neurology, Mayo Clinic Arizona, and Clinical Core Director, Arizona Alzheimer's Disease Center: "ALZHEIMER'S DISEASE: DIAGNOSIS and TREATMENT OPTIONS"

9:50 – 10:00 BREAK

10:00 – 10:30 SPEAKER

Alfred Kaszniak, Ph.D.: "UNDERSTANDING EMOTIONAL AND BEHAVIORAL ASPECTS OF ALZHEIMER'S DISEASE."

10:30 – 11:45 PANEL DISCUSSION / AUDIENCE QUESTIONS

– Geoff Ahern, M.D. – David Coon, Ph.D. – Deborah Schaus, MSW  
– Richard Caselli, M.D. – Jan Dougherty, RN, MS – Peggy Mullan, M.N.M.

11:45 – 1:00 LUNCH and POSTER SESSIONS

1:00 – 1:15 VIDEO PRESENTATION

1:15 – 2:15 LEON THAL MEMORIAL LECTURE

Paul S. Aisen, M.D., Professor of Neurosciences, University of California, San Diego; Director, Alzheimer's Disease Cooperative Study "ALZHEIMER'S DISEASE THERAPEUTICS: THE NEXT GENERATION"

2:15 – 2:30 BREAK

### COMMUNITY PRESENTATION

(Co-sponsored by the Governor's Office on Aging and the Alzheimer's Association)

2:30 – 4:30 SONORAN BALLROOM

- "Enhancing Well-being for Care Partners" by David Coon, M.D.
- Q&A with resource panel experts
- Alzheimer's Priority Plan Forum

### SCIENTIST PRESENTATIONS

2:30 – 3:30 ORAL RESEARCH PRESENTATIONS SESSION I: CIRA BALLROOM

- Moderated by External Scientific Advisors
- Five presentations

3:30 – 3:45 BREAK

3:45 – 4:45 ORAL RESEARCH PRESENTATIONS SESSION II: CIRA BALLROOM

- Moderated by External Scientific Advisors
- Five presentations

4:45 – 5:00 CLOSING REMARKS: Zaven Khachaturian, Ph.D. on behalf of the External Scientific Advisory Committee:

- Marilyn Albert, Ph.D., Professor of Neurology and Co-Director, Alzheimer's Disease Center, Johns Hopkins University
- Zaven Khachaturian, Ph.D., President and CEO, Lou Ruvo Brain Institute
- Bruce Miller, M.D., Professor of Neurology, A.W. & Mary Margaret Clausen Distinguished Chair, and Director, Alzheimer's Disease Center, University of California at San Francisco
- Allen Roses, M.D., Jefferson-Pilot Professor of Neurobiology and Genetics, Professor of Medicine (Neurology), Director, Deane Drug Discovery Institute, and Senior Scholar, Fuqua School of Business, Duke University

6:00 PM DINNER (Closed Session: Internal Advisors, External Advisors, and Invited Guests)



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## ORAL RESEARCH PRESENTATIONS

- SESSION 1** (Moderators: Marilyn Albert, Ph.D., and Zaven Khachaturian, Ph.D.)
- 2:30 - 2:42 **Genome-wide association study for Alzheimer's disease risk in a large cohort of clinically characterized and neuropathologically verified subjects.** Huentelman, MJ, Allen AN, Corneveaux JJ, Pruzin JJ, Chewning K, Villa SE, Meechoovet B, Gerber JD, Frost D, Benson HL, Heward CB, Hardy J, Myers AJ, Craig DW, Van Keuren-Jensen KR, Dunckley T, Reiman EM. Translational Genomics Research Institute; Kronos Life Sciences; University College of London; University of Miami; University of Arizona; Banner Alzheimer's Institute; Arizona Alzheimer's Consortium.
- 2:42 - 2:54 **Self-imagination enhances memory in individuals with memory impairment.** Glisky E. University of Arizona; Arizona Alzheimer's Consortium.
- 2:54 - 3:06 **Correlated expression of synapse-related genes in aging and Alzheimer's disease: modest or absent within and high between brain regions.** Coleman PD, Berchtold N, Cribbs D, Grover A, Rogers J, Cotman CW. Banner Sun Health Research Institute; University of California, Irvine; Arizona Alzheimer's Consortium.
- 3:06 - 3:18 **Menopause and the human hypothalamus: evidence for a role of Neurokinin B in the neuroendocrine regulation of reproduction.** Rance N, University of Arizona; Arizona Alzheimer's Consortium.
- 3:18 - 3:30 **Tomm40, APOE, and age of onset of incident Alzheimer's disease.** Caselli RJ, Saunders AM, Lutz MW, Heuntelman MJ, Reiman EM, Roses AD. Mayo Clinic Arizona; Translational Genomics Research Institute; Banner Alzheimer's Institute; Duke University; Arizona Alzheimer's Consortium.
- SESSION II** (Moderators: Allen Roses, M.D., and Bruce Miller, M.D.)
- 3:45 - 3:57 **The Coalition against major diseases: developing tools for an integrated model-based drug development process for Alzheimer's and Parkinson's diseases.** Romero K, Myers R, Frank D, Kirby L, Neville J, Woosley RL. Critical Path Institute
- 3:57 - 4:09 **Multimodal MRI correlates of brain aging in presymptomatic APOE  $\epsilon$ 4 carriers.** Baxter L, Chen K, Valla J, Caselli RJ. Barrow Neurological Institute, Banner Alzheimer's Institute; Mayo Clinic Arizona; Arizona Alzheimer's Consortium.
- 4:09 - 4:21 **A novel Alzheimer's animal model: amyloid precursor protein with genetic deletion of TNF type II receptor.** Shen Y, Jiang H, He P, Rogers K, Staufienbiel M, Li R. Banner Sun Health Research Institute, Banner Research Institute; Arizona Alzheimer's Consortium.
- 4:21 - 4:33 **Targeted hydrolysis of APP and Beta-Amyloid as potential therapeutics for Alzheimer's disease.** Sierks M, Boddapati S, Kasturirangan S. Arizona State University, Arizona Alzheimer's Consortium.
- 4:33 - 4:45 **Alzheimer's Prevention Initiative Update.** Reiman EM, Langbaum JB, Fleisher AS, Chen K, Caselli RJ, Kepler J, Tariot PN. Banner Alzheimer's Institute, Translational Genomics Research Institute, Arizona State University, Mayo Clinic Arizona, Arizona Alzheimer's Consortium.