

CTAD 2014

Clinical Trials on Alzheimer's Disease

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Clinical Trials on Alzheimer's Disease

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Clinical Trials



November 20-22, 2014

Philadelphia



MONTPELLIER and TOULOUSE EADC Centers
European Alzheimer's Disease Consortium



Alzheimer's Disease Cooperative Study
UC San Diego



The Journal of Prevention of Alzheimer's Disease

Under the auspices of :



IAGG-GAARN
Global Aging Research Network

Welcome

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CONGRESS SECRETARIAT

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Dear Colleague,

*We are proud to present our program for the 7th annual conference **Clinical Trials on Alzheimer's Disease CtaD 2014.***

This year the CtaD conference will relate experiences from international teams covering every stage of clinical trials in AD. From animal models to human trials these research teams will report results and challenges encountered.

CtaD 2014 provides an opportunity to learn about the latest results in drug trials as well as important topics such as prevention therapies for AD, early interventions, non-pharmacological interventions, therapeutics for agitation and aggression in AD as well as health economics issues and methodological and design considerations.

Again this year CTAD is the perfect opportunity to exchange views with your peers on the difficulties and challenges of Alzheimer's disease and take home some hands-on therapeutic and methodological tools to improve and reinforce your AD research and clinical trial teams.

We are very happy to welcome you to CTAD 2014 !

Paul Aisen, MD
University of California San Diego (UCSD)



Jacques Touchon, MD, PhD
University Hospital of Montpellier, France



Bruno Vellas, MD, PhD
University Hospital of Toulouse, France



Michael Weiner, MD
University of California San Francisco (UCSF)



Keynote speakers



Sandrine Andrieu, MD, PhD is currently professor of epidemiology and public health at the Toulouse University school of Medicine. She studied epidemiology and obtained her PhD in aging and public Health in 2002. From 2004 to 2006 she was a member of the national university committee (Public Health and Epidemiology section). From 2003-2007 she was a member of the national specialized scientific committee of national institute of health and medical research (INSERM) in Public Health, environment and health care systems. As member of the Gerontopole in Toulouse, she coordinates currently the French Observatory of Research in AD. Since 2011, she's running the research unit UMR1027 INSERM University Paul Sabatier and the research team "Aging and Alzheimer Disease". She has published more than 150 international papers and book chapters in the field of aging. She is presently involved in large intervention studies in the field of neuro-degenerative disease (PLASA Study, GuidAge Study, MAPT Study) and large cohorts of Alzheimer Disease patients (ICTUS, REAL.fr).



Rachelle Doody, MD, PhD is the Effie Marie Cain Chair in Alzheimer's Disease Research and Professor of Neurology at Baylor College of Medicine, where she directs the Alzheimer's Disease and Memory Disorders Center (ADMDC). She received a B.A. from Rice University, a M.D. from Baylor College of Medicine, and completed internship and residency training at the Royal Victoria Hospital and Montreal Neurologic Institute in Montreal, and at Baylor College of Medicine. Dr. Doody has a Ph.D. in Cognitive Anthropology from Rice University where she studied the brain and language. She has published over 170 original research articles, most of which deal with the diagnosis, progression, or treatment of Alzheimer's Disease. She has received multiple research grants, including a Zenith Award from the National Alzheimer's Association, and designed and conducted numerous clinical trials of Alzheimer's Disease therapies. She participates in National and International collaborative efforts, review boards, and advisory boards including Steering Committees for the NIH AD Cooperative Study and AD Neuroimaging Initiatives, and the Steering Committee for the Texas AD Research and Care Consortium. Current research interests include studies to understand and model the progression of Alzheimer's Disease, studies of clinical heterogeneity, and research and development of new medications to treat Alzheimer's Disease. She works with many biopharmaceutical and large pharma collaborators in the assessment and experimental testing of a diverse group of potential AD therapies. Dr. Doody has served on the Texas Council on Alzheimer's Disease and Related Disorders, and the Board of Directors for the Houston and Southeast Texas Chapter of the Alzheimer's Association. She is committed to advancing the clinical practice related to prevention, diagnosis, and treatment of memory disorders, including Alzheimer's disease, and her clinical work has been acknowledged with a listing in Best Doctors in America for over 17 years. She received the Distinguished Alumni Award from Rice University in 2009 and the Distinguished Faculty award from Baylor College of Medicine in 2011.



Howard Fillit, MD, a geriatrician, neuroscientist and leading expert in Alzheimer's disease, is the founding Executive Director and Chief Science Officer of the ADDF. Dr. Fillit has had a distinguished academic medicine career at the Rockefeller University and the Mount Sinai School of Medicine where he is currently a clinical professor of geriatrics, medicine and neuroscience. From 1995-1998, he was the corporate medical director for Medicare at New York Life, providing program leadership for over 125,000 elderly people in several regional US markets.

Throughout his career, Dr. Fillit has maintained a limited private practice in New York City in consultative geriatric medicine with a focus on Alzheimer's disease. He has also served as a consultant to pharmaceutical and biotechnology companies, health care organizations and philanthropies. He has authored or co-authored more than 300 scientific and clinical publications, and is the senior editor of the leading international Textbook of Geriatric Medicine and Gerontology. Dr. Fillit has received several awards and honors including the Rita Hayworth Award for Lifetime Achievement.

Keynote speakers



Russel Katz, MD: Throughout his 30+ year career with the FDA, Dr. Katz has had a major influence on the regulation of research with investigational treatments and approval of new therapies for neurologic diseases. As acting director of the Division of Neuropharmacological Drug Products, and later as Director of the Division of Neurology Products. Dr. Katz received his M.D. degree from the Albert Einstein College of Medicine in 1977. Following residencies in neurosurgery and neurology, he began working as a medical officer at the FDA's Division of Neuropharmacological Drug Products in 1983, which reviews and approves drugs and biologics for neurologic conditions, including AD. In 1999 he was appointed director of the division; and in 2005, when it was split up into two separate divisions, he became the Director of the Division of Neurology Products. Dr. Katz has written and lectured extensively on all aspects of drug development and regulatory approval of drugs and biologics. He also received the Ronald and Nancy Reagan Research Award in 2013, which honors researchers leading the way in promising and innovative approaches to Alzheimer's treatment, prevention, and care.



Reisa Sperling, MD is a neurologist, specializing in dementia and imaging research. She is a Professor in Neurology at Harvard Medical School. She is also the Director of the Center for Alzheimer Research and Treatment at Brigham and Women's Hospital, and the Director of the Neuroimaging Core and the Outreach Core of the Massachusetts Alzheimer's Disease Research Center at Massachusetts General Hospital. Dr. Sperling's research is focused on the early diagnosis and treatment of Alzheimer's disease. Her recent work involves the use of functional MRI and PET amyloid imaging to study alterations in brain function in aging and early Alzheimer's disease. She is the Principal Investigator on multiple NIH and Foundation grants utilizing multi-modality imaging techniques to probe the neural correlates of memory changes in cognitive aging and early AD. She is the PI of the Harvard Aging Brain Study, funded by a NIA Program Project grant. Dr. Sperling oversees a number of clinical trials of potential disease-modifying therapeutics in early Alzheimer's disease, and serves on the Steering Committees for the Alzheimer's Disease Neuroimaging Initiative and the Dominantly Inherited Alzheimer Network. She has published over 120 peer-reviewed research articles on memory, aging, and early AD. Dr. Sperling led the National Institute on Aging-Alzheimer's Association working group to develop guidelines for the study of "Preclinical Alzheimer's disease". She serves as the Project Leader for the ADCS Anti-Amyloid Treatment in Asymptomatic AD—the "A4" trial, a 3 year secondary prevention trial in 1000 clinically normal older individuals with biomarker evidence of early AD pathology.



John Q. Trojanowski, MD, PhD, William Maul Measey-Truman G. Schnabel Jr., M.D. Professor of Geriatric Medicine and Gerontology, University of Pennsylvania School of Medicine, Philadelphia, PA. Dr. Trojanowski obtained his MD/PhD in 1976 from Tufts University, did a medicine internship at Mt. Auburn Hospital, trained in pathology and neuropathology at Massachusetts General Hospital and the University of Pennsylvania Perelman School of Medicine where he joined the faculty in 1981. He is Professor of Pathology and Laboratory Medicine, Director of the NIA Alzheimer's Disease Center, Director of the NINDS Morris K. Udall Parkinson's Disease Center, Co-Director of the Center for Neurodegenerative Disease Research, Director of the Institute on Aging and Co-director of the Marian S. Ware Alzheimer Program. His research focuses on Alzheimer's (AD) and Parkinson's (PD) disease, Lou Gehrig's disease or amyotrophic lateral sclerosis (ALS), frontotemporal degeneration (FTD) and related disorders which has led to the discovery of the major disease proteins in these disorders, including tau, alpha-synuclein and TDP-43 proteins, and that aggregation of these disease proteins is a common mechanism underlying AD, PD, FTD, ALS and related disorders. This research has opened up new avenues of research to identify targets for drug discovery to develop better treatments for these disorders. Dr. Trojanowski has received the Metropolitan Life Foundation Award (1996), the Potamkin Prize (1998), a Pioneer Award from the Alzheimer's Association (1998), the 2004 Irving Wright Award of the American Federation for Aging Research, the 2005 Rous-Whipple Award of the American Society for Investigative Pathology, the 24th Annual Robert J. and Claire Pasarow Foundation Award in Neuropsychiatry Research (2012) and the 2012 John Scott Award (established by John Scott in 1822 and given for inventions that have contributed in some outstanding way to the «comfort, welfare and happiness» of mankind by the City of Philadelphia since 1822), and was elected to the Institute of Medicine in 2002. Dr. Trojanowski served/serves on national aging research boards including the NIA Advisory Council, (1994-1998) and the Alliance for Aging Research (2002-present). He led an effort to prepare a 2009 PBS film on healthy brain aging and AD ("Alzheimer's Disease-Facing the Facts") that won a 2008 CINE "Golden Eagle Award" and a 2009 Emmy Award for short documentary films. Because of the broad impact of his research, Dr. Trojanowski is among the top 10 most highly cited AD researchers from 1997 to 2007 with an h-index of 131.

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Program at a glance

Thursday, November 20th

8.00 - 8.30 a.m. **Regency Ballroom AB** WELCOME BY THE ORGANIZING COMMITTEE and presentation of the CTAD Lifetime Achievement Award in Alzheimer's Disease Therapeutic Research

8.30 - 9.00 a.m. **Regency Ballroom AB** **KEYNOTE 1**
Where do we stand with respect to Alzheimer's disease treatment trials?

9.00 - 10.30 a.m. **Regency Ballroom AB** **Symposium 1**
The Collaboration for Alzheimer's Prevention (CAP): Advancing the evaluation of Alzheimer's prevention therapies

Poster sessions 1 and coffee break - Millennium Hall

11.00 - 12.30 p.m. **Regency Ballroom AB** **ORAL COMMUNICATIONS SESSION**

Lunch Break and poster sessions 1 - Millennium Hall

1.30 - 4.15 p.m. **Regency Ballroom AB** **ORAL COMMUNICATIONS SESSION**

Poster sessions 1 and coffee break - Millennium Hall

4.45 - 5.15 p.m. **Regency Ballroom AB** **KEYNOTE 2**
New directions for Alzheimer's Disease Drug Trials

5.15 - 6.15 p.m. **Regency Ballroom AB** **ORAL COMMUNICATIONS SESSION**

7.00 - 9.00 p.m. **Welcome Cocktail Reception at the Reading Terminal Market**

Friday, November 21st - Regency Ballroom AB

7.30 - 8.00 a.m

LATE-BREAKING ABSTRACTS SESSION

Regency
Ballroom AB

8.00 - 8.30 a.m

KEYNOTE 3

Molecular and Functional Imaging Markers in AD Secondary Prevention Trials

Regency
Ballroom AB

8.30 - 9.30 a.m

Symposium 2

Novel drug targets and clinical trials designs for early intervention and prevention: estradiol, phytoSERMs, and allopregnanolone

Regency
Ballroom AB

9.30 - 10.15 a.m

ORAL COMMUNICATIONS SESSION

Regency
Ballroom AB

Poster sessions 2 and coffee break - Millennium Hall

10.45 - 12.00 p.m

ORAL COMMUNICATIONS SESSION

Regency
Ballroom AB

12.00 - 12.30 p.m

KEYNOTE 4

Non pharmacological clinical trials to prevent Alzheimer's disease

Regency
Ballroom AB

Lunch Break and poster sessions 2 - Millennium Hall

1.30 - 2.30 p.m

Symposium 3

New Directions in Development of Therapeutics for Agitation and Aggression of AD

Regency
Ballroom AB

2.30 - 4.00 p.m

ORAL COMMUNICATIONS SESSION

Regency
Ballroom AB

Poster sessions 2 and coffee break - Millennium Hall

4.30 - 5.00 p.m

KEYNOTE 5

Tau Biomarkers, Therapy And Transmission: Implications For Alzheimer's Disease And Related Tauopathies

Regency
Ballroom AB

5.00 - 6.30 p.m

LATE-BREAKING ABSTRACTS SESSION

Regency
Ballroom AB

Saturday, November 22nd

7.30 - 8.00 a.m

ORAL COMMUNICATIONS SESSION

Regency
Ballroom AB

8.00 - 8.30 a.m

KEYNOTE 6

Health Economics Outcomes in Preventive AD trials

Regency
Ballroom AB

8.30 - 10.00 a.m

ORAL COMMUNICATIONS SESSION

Regency
Ballroom AB

Poster sessions 3 and coffee break - Millennium Hall

10.30 - 11.30 a.m

Symposium 4

Neurobiology and Therapeutic Advances in Neuropsychiatric Symptoms of Dementia

Regency
Ballroom AB

11.30 - 12.15 a.m

ORAL COMMUNICATIONS SESSION

Regency
Ballroom AB

CTAD 2014 Program

Thursday, November 20th

8.00 a.m	<p><i>Regency Ballroom AB</i></p> <p>Welcome by the Organizing Committee and presentation of the CtaD Lifetime Achievement Award in Alzheimer's Disease Therapeutic Research to Dr. Mary Sano Professor of Psychiatry and Director of the Alzheimer's Disease Research at Mount Sinai School of Medicine, New York, NY – USA Paul Aisen, Jacques Touchon, Bruno Vellas, Mike Weiner</p>
8.30 a.m	<p>KEYNOTE 1 - <i>Regency Ballroom AB</i> Moderator : Bruno Vellas</p> <p>Where do we stand with respect to Alzheimer's disease treatment trials? Rachelle S. Doody, M.D.,Ph.D. <i>Director, Alzheimer's Disease and Memory Disorders Center Baylor College of Medicine-Department of Neurology, Houston, TX – USA</i></p>
9.00 a.m	<p>SYMPOSIUM 1 - <i>Regency Ballroom AB</i> The Collaboration for Alzheimer's Prevention (CAP): Advancing the evaluation of Alzheimer's prevention therapies Randall Bateman, M.D., Charles F. and Joanne Knight Distinguished, Professor of Neurology, Washington University School of Medicine</p> <p>1. Dominantly Inherited Alzheimer's Disease Trials Unit (DIAN-TU): The Launch of Prevention trials Randall J. Bateman, MD (1), Santacruz AM (1), Mills SL (1), Benzinger TL (2), Buckles VD (1), Clifford D (1), Fagan AM (1), Farlow M (3), Goate AM (4), Morris JC (1), Rossor MN (5), Salloway S (6), Snider J (1), Snyder P (7), Xiong C (7), for the DIANTU Washington University School of Medicine, St. Louis, MO, USA <i>(1) Neurology Department, Washington University School of Medicine, St. Louis, MO, USA, (2) Radiology Department, Washington University School of Medicine, St. Louis, MO, USA, (3) University of Indiana, Indianapolis, IN, USA, (4) Psychiatry and Genetics Department, Washington University School of Medicine, St. Louis, MO USA, (5) University College of London, England, (6) Lifespan, Providence, Rhode Island, USA, (7) Biostatistics, Washington University School of Medicine, St. Louis, MO USA</i></p> <p>2. The Alzheimer's Prevention Initiative Pierre Tariot, MD (1), Lopera F (2), Langbaum JB (1), Ho C (3), Suliman S (3), Cho W (3), Paul R (3), Rios SR (2), Ayutyanont N (1), Jakimovich L (1), Langlois C (1), High N (1), Reiman EM (1) <i>(1) Banner Alzheimer's Institute, (2) University of Antioquia, (3) Genentech</i></p> <p>3. Anti-Amyloid Treatment in Asymptomatic Alzheimer's study (A4) Reisa Sperling, MD (1), Gessert D (2), Belsha A (2), Matthews G (2), Rentz D (1), Johnson K (1), Donohue M (1), Salmon D (3), Karlawish J (2), Downing AM (4), Sethuraman G (4), Siemers E (4), Aisen P (2) for the Alzheimer's Disease Cooperative Study <i>(1) Center for Alzheimer Research and Treatment, Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA Department of Neurology, Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA Departments of Neurology, Massachusetts General Hospital, Harvard Medical School, Boston, MA, USA Radiology, Massachusetts General Hospital, Harvard Medical School, Boston, MA, USA, (2) University of California, Alzheimers Disease Cooperative Study, San Diego, CA, USA, (3) Department of Medical Ethics and Health Policy, University of Pennsylvania, Philadelphia, PA, USA, (4) Eli Lilly and Company, Indianapolis, IN, USA</i></p> <p>4. TOMMORROW Study Kathleen A. Welsh-Bohmer, PhD (1), Daniel K. Burns, PhD (2), Stephen K. Brannan, MD (3), Ferenc Martenyi, MD (4), Kumar Budur, MD, MS (3), for the TOMMORROW investigators <i>(1) Departments of Neurology and Psychiatry, Duke University, Duke Bryan ADRC, Durham, NC, USA, (2) Zinfandel Pharmaceuticals, Inc., Durham, NC, USA, (3) Takeda Pharmaceuticals International, Inc., Deerfield, IL, USA, (4) Takeda Development Center Americas, Inc., Deerfield, IL, USA</i></p>
10.30 a.m	<p>Poster sessions 1 and coffee break - Millennium Hall</p>

CTAD 2014 Program



Thursday, November 20th

11.00 a.m	ORAL COMMUNICATIONS SESSION - Regency Ballroom AB Moderators : Paul Aisen, Daniel Marson
11.00 a.m	OC1 - A Phase 2 Randomized Double-blind Placebo-controlled Study of Vanutide Cridificar Vaccine (ACC-001) in Patients with Mild-to-Moderate Alzheimer's Disease Nzeera Ketter (1), <u>Enchi Liu</u> (1), Jianing Di (1), Lawrence S Honig (2), Ming Lu (1), Gerald Novak (1), John Werth (3), Ghislaine LePrince (3), Anna Shadman (1), David Moriarty (1), H Robert Brashear (1) (1) Janssen Alzheimer's Immunotherapy Research and Development, (2) Columbia University, Department of Neurology, (3) Pfizer Clinical Sciences, Global Innovative Pharma Business
11.15 a.m	OC2 - Resveratrol is safe and well-tolerated and stabilizes plasma and CSF A40 levels in mild-moderate AD <u>R. Scott Turner</u> , MD, PhD (1), Ronald G. Thomas, PhD (2), Suzanne Craft, PhD (3), Christopher H. van Dyck, MD (4), Jacobo Mintzer, MD (5), Brigid Reynolds, NP (1), James Brewer, MD, PhD (2), Robert Rissman, PhD (2), Rema Raman, PhD (2), Paul Aisen, MD (2) (1) Department of Neurology, Georgetown University, Washington, DC, USA, (2) University of California, San Diego, CA, USA, (3) Wake Forest University, Winston-Salem, NC, USA, (4) Yale University, New Haven, CT, USA, (5) Roper St. Francis Healthcare, Charleston, SC, USA
11.30 a.m	OC3 - A Phase II Clinical Trial on GV-971 in Patients with Alzheimer's Disease <u>Shifu Xiao</u> , MD (1,2), Tao Wang, MD (1), Xianliang Xin, PhD (3), Yu Ding, PhD (3), Meiyu Geng, PhD (4) (1) Department of Geriatric Psychiatry, Shanghai Mental Health Center, School of Medicine, Shanghai Jiaotong University, Shanghai, China, (2) Alzheimer's Disease and Related Disorders Center, Shanghai Jiaotong University, Shanghai, China, (3) Shanghai green valley pharmaceutical co., LTD, Shanghai, China, (4) State Key Laboratory of Drug Research, Shanghai Institute of Materia Medica, Chinese Academy of Sciences, Shanghai, China
11.45 a.m	OC4 - A 5-HT6 antagonist in advanced development for the treatment of mild and moderate Alzheimer's disease: Lu AE58054 Alireza Atri, MD, Massachusetts General Hospital, USA
12.00 p.m	OC5 - The effect of hypertension and APOE genotype on beta-amyloid accumulation as measured with 18F-florbetapir in older adults <u>Karen M. Rodrigue</u> , PhD (1), Ming Lu, MS, MPH, MB (2), Abhinay D. Joshi, MS (2), Michael J. Pontecorvo, PhD (2), Michael D. Devous Sr., PhD (2), Mark A. Mintun, MD (2) and the Alzheimer's Disease Neuroimaging Initiative investigators (1) Center for Vital Longevity, School of Behavioral and Brain Sciences, The University of Texas at Dallas, Dallas, TX, (2) Avid Radiopharmaceuticals Inc., Philadelphia, PA
12.15 p.m	OC6 - Amyloid PET imaging results from a study to evaluate the impact of crenezumab on fibrillar amyloid in patients with mild-to-moderate Alzheimer's Disease <u>Stephen Salloway</u> , MD, MS (1), William Cho, MD (2), David Clayton, PhD (2), Lee Honigberg, PhD (2), Christina Rabe, PhD (2), Michel Friesenhahn, MA (2), Michael Ward, PhD (2), Flavia Brunstein, MD (2), Shehnaaz Suliman, MD (2), Carole Ho, MD (2), Robert Paul, MD, PhD (2) (1) Neurology and the Memory and Aging Program, Butler Hospital, Department of Neurology and Psychiatry, The Warren Alpert Medical School of Brown University, Providence, RI, USA, (2) Genentech, Inc., South San Francisco, CA, USA
12.30 p.m	Lunch Break and poster sessions 1 - Millennium Hall

CTAD 2014 Program

Thursday, November 20th

1.30 p.m	ORAL COMMUNICATIONS SESSION - <i>Regency Ballroom AB</i> Moderators : Randall Bateman, Robert Rissman
1.30 p.m	OC7 - European Prevention of Alzheimer's Dementia (EPAD) Project: An international platform to deliver proof of concept studies for secondary prevention of dementia <u>C.W.Ritchie</u> (1), S.Lovestone, J.L.Molinuevo, C.Diaz, A.Satlin, S.Van der Geyten, L.Truyen, on behalf of the EPAD Project Partners. (1) <i>Centre for Mental Health, Imperial College, London, UK</i>
1.45 p.m	OC8 - Testing Subgroup Analyses and Enrichment in AD Clinical Trials Using a Meta-database <u>Richard E. Kennedy</u> , MD, PhD (1), Gary R. Cutter, PhD (2), Guoqiao (Peter) Wang, MS (2), Lon S.Schneider, MD (3) (1) <i>Division of Gerontology, Geriatrics, and Palliative Care, University of Alabama at Birmingham, USA,</i> (2) <i>Department of Biostatistics, University of Alabama at Birmingham, USA,</i> (3) <i>Departments of Psychiatry and Neurology, Keck School of Medicine of USC, Los Angeles, CA, USA</i>
2.00 p.m	OC9 - Analysis of Amyloid-beta PET changes from the crenezumab anti-Aβ phase 2 trial using a pre-specified cerebral white matter reference region-of-interest <u>Eric M. Reiman</u> MD (1), Kewei Chen PhD (2), William Cho, MD (3), David Clayton, PhD (3), Lee Honigberg, PhD (3), Christina Rabe, PhD (3), Michel Friesenhahn, MA (3), Michael Ward, PhD (3), Flavia Brunstein, MD (3), Shehnaaz Suliman, MD (3), Carole Ho, MD (3), Robert Paul, MD, PhD (3) (1) <i>Banner Alzheimer's Institute and Banner Research, Translational Genomics Research Institute, University of Arizona, and Arizona Alzheimer's Consortium, Phoenix AZ, USA,</i> (2) <i>Banner Alzheimer's Institute, Arizona Alzheimer's Consortium, Department of Mathematics and Statistics, Arizona State University, Phoenix, AZ, USA,</i> (3) <i>Genentech, Inc., South San Francisco, CA, USA</i>
2.15 p.m	OC10 - Identifying factors of activities of daily living important for cost and caregiver outcomes in Alzheimer's disease C.Reed, PhD (1), M.Belger, MSc (1), <u>J.Scott Andrews</u> , PharmD (2), B.Vellas, MD, PhD (3), J.Maria Haro, MD, PhD (4) (1) <i>Eli Lilly and Company Limited, Windlesham, UK,</i> (2) <i>Eli Lilly and Company, Indianapolis, IN, USA,</i> (3) <i>Toulouse University Hospital, Toulouse, France,</i> (4) <i>Parc Santari Sant Joan de Déu, CIBERSAM, Universitat de Barcelona, Barcelona, Spain</i>
2.30 p.m	OC11 - A Simulation Study Comparing Slope Analysis with Endpoint Analysis for Analyzing Cognition Data in Clinical Trials of Alzheimer's Disease <u>Y-F.Chen</u> , PhD (1), X.Ni, PhD (1), A.Fleisher, MD (1,2), W.Zhou, MS (1), P.Aisen, MD (2), R.Mohs, PhD (1) (1) <i>Neuroscience, Eli Lilly and Co., Indianapolis, IN, USA,</i> (2) <i>Department of Neuroscience, University of California, San Diego, CA, USA</i>
2.45 p.m	OC12 - Alzheimer's Prevention Registry: A shared resource to the scientific community to facilitate enrollment in studies <u>J.B.Langbaum</u> , PhD (1), E.M.Reiman, MD (1), N.High, MA (1), P.S.Aisen, MD (2), M.S.Albert, PhD (3), M.Comer (4), J.L.Cummings, MD (5), J.J.Manly, PhD (6), R.C.Petersen, MD PhD (7), R.A.Sperling, MD (8), G.Strobel (9), M.W.Weiner, MD (10), P.N.Tariot, MD (1) (1) <i>Banner Alzheimer's Institute, Phoenix, AZ, USA,</i> (2) <i>Alzheimer's Disease Cooperative Study, University of California San Diego, San Diego, CA, USA,</i> (3) <i>Department of Neurology, Johns Hopkins University School of Medicine, Baltimore, MD, USA,</i> (4) <i>Geoffrey Beene Foundation Alzheimer's Initiative, Washington, DC, USA,</i> (5) <i>Cleveland Clinic Lou Ruvo Center for Brain Health, Las Vegas, NV, USA,</i> (6) <i>Department of Neurology, Columbia University College of Physicians and Surgeons, New York, NY, USA,</i> (7) <i>Department of Neurology, Mayo Clinic, Rochester, MN, USA,</i> (8) <i>Department of Neurology, Harvard Medical School, Boston, MA, USA,</i> (9) <i>Alzforum, Cambridge, MA, USA,</i> (10) <i>Department of Radiology and Biomedical Engineering, University of California San Francisco, San Francisco, CA, USA</i>
3.00 p.m	OC13 - Lupron in Combination with an Acetylcholinesterase Inhibitor Halts Cognitive Decline in Women with Alzheimer's Disease Over a 48-week study <u>R.L.Bowen</u> (1), G.Perry (2,3), C.Xiong (4), M.A.Smith (3), C.S.Atwood (5,6,7) (1) <i>OTB Research, Charleston, SC, USA,</i> (2) <i>UTSA Neurosciences Institute and Department of Biology, University of Texas at San Antonio, TX, USA,</i> (3) <i>Department of Neurology, Johns Hopkins University School of Medicine, Baltimore, MD, USA,</i> (4) <i>Geoffrey Beene Foundation Alzheimer's Initiative, Washington, DC, USA,</i> (5) <i>Department of Pathology, School of Medicine, Case Western Reserve University, Cleveland, OH USA,</i> (6) <i>Department of Biostatistics, Washington University School of Medicine, St. Louis, MO, USA,</i> (7) <i>Department of Medicine, University of Wisconsin-Madison School of Medicine and Public Health, Madison, WI, USA,</i> (8) <i>Geriatric Research, Education and Clinical Center, Veterans Administration Hospital, Madison, WI, USA,</i> (9) <i>School of Exercise, Biomedical and Health Sciences, Edith Cowan University, Joondalup, WA, Australia</i>
3.15 p.m	OC14 - In vivo Braak staging for tangles: quantitative regional profiles of 18F-AV-1451 (T807) tau PET images recapitulate key features of the Braak histopathological staging protocol <u>A.J.Schwarz</u> , PhD (1), B.B.Miller, MD (1), J.Dickson, PhD (2), M.Navitsky, PhD (2), A.Joshi, PhD (2), S.Shcherbinin, PhD (1), M.D.Devous Sr., PhD (2), D.Skovronsky, MD, PhD (1,2), M.Mintun, MD (2) (1) <i>Eli Lilly and Company, Indianapolis IN, USA,</i> (2) <i>Avid Radiopharmaceuticals, Philadelphia PA, USA</i>

CTAD 2014 Program



Thursday, November 20th

- 3.30 p.m **OC15 - Prognostic Value of 18F-florbetapir Scan: A 24-Month Follow up Analysis Using ADNI Data**
M.Lu, MS ,MPH ,MB (1), M.J.Pontecorvo, PhD (1), A.Siderowf, MD, MSCE (1), A.D.Joshi, MS (1), M.D.Devous, Sr., PhD (1), M.A.Mintun, MD (1)
(1) Avid Radiopharmaceuticals, Inc, Philadelphia, PA, USA
- 3.45 p.m **OC16 - Defining Trajectories of Cognitive and Functional Change over 24 Months Using ADNI Data: Patients with Negative or Positive beta-Amyloid Status**
P.T.Trzepacz, MD (1), H.Hochstetler, PharmD (1), S.Wang, PhD (1), P.Yu, PhD (1), M.Case, MS (1), J-M.Leoutsakos, PhD (2), D.B.Henley, MD (1), E.Degenhardt, MSN (1), C.Lyketos, MD (2)
(1) Eli Lilly and Company, Indianapolis, IN, USA, (2) Johns Hopkins University and Johns Hopkins Bayview, Baltimore, MD, USA
- 4.00 p.m **OC17 - Do beliefs on the pathogenetic role of amyloid modulate the use of amyloid-PET in the clinic?**
M.Boccardi, PsyD, PhD, (1), M.Pievani, MS, PhD, (1), C.Ferrari, MS, PhD, (1), C.Festari PsyD, (1), C.Muscio, PsyD, (1), D.Altomare, PhD, (1), A.Tarallo, PsyD, (1), P.Pasqualetti, MS, PhD, (2), S.Galluzzi, MD, (1), B.Borroni, MD, (3), A.Padovani, MD, (3), G.B Frisoni MD (1,4), and the INDIA-FBP working group
(1) Laboratory of Epidemiology, Neuroimaging and Telemedicine, IRCCS Centro San Giovanni di Dio Fatebenefratelli, The National Center for Research and Care of Alzheimer's and Mental Diseases, Brescia, Italy, (2) AFaR-CRCCS, Ospedale Fatebenefratelli, Isola Tiberina, Rome, Italy, (3) Nuclear Medicine, University of Brescia and Spedali Civili di Brescia, Brescia, Italy
- 4.15 p.m **Poster sessions 1 and coffee break** - Millennium Hall
- 4.45 p.m **KEYNOTE 2 - Regency Ballroom AB**
Moderator : Paul Aisen
New directions for Alzheimer's Disease Drug Trials
Russel Katz, MD, former Director of the Division of Neurology Products, FDA – USA
- 5.15 p.m **ORAL COMMUNICATIONS SESSION - Regency Ballroom AB**
Moderators : Khalid Iqbal, Mike Rafii
- 5.15 p.m **OC18 - Shifting balance from neurodegeneration to regeneration of the brain with a neurotrophic compound: A novel therapeutic approach for the treatment of Alzheimer disease and related conditions**
K.Iqbal, S.Faraz Kazim, S.Bolognin
Inge Grundke-Iqbal Research Floor, New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY, USA
- 5.30 p.m **OC19 - Animal Pharmacology Studies to Support Repositioning BBB Penetrant p38 MAPK α inhibitor (VX-745) as a Potential AD Therapeutic**
J.Alam, MD EIP Pharma LLC, Cambridge, MA USA
- 5.45 p.m **OC20 - Passive immunotherapy of tauopathy targeting pSer413-tau : A pilot study in mice**
T.Tomiyama, PhD (1), T.Umeda, PhD (1), H.Eguchi, MSc (2), Y.Kunori, PhD (2), Y.Matsumoto, PhD (2), T.Taniguchi, MD, PhD (3), H.Mori, PhD (1)
(1) Department of Neuroscience, Osaka City University Graduate School of Medicine, Osaka, Japan, (2) Teijin Institute for Bio-medical Research, Teijin Pharma Limited, Hino, Japan, (3) Faculty of Pharmaceutical Sciences, Himeji Dokkyo University, Himeji, Japan
- 6.00 p.m **OC21 - A new mouse model of AD showing neurofibrillary tangles in the absence of tau mutations**
T.Tomiyama, PhD (1,2), Ta.Tomiyama, PhD (1,2), S.Maekawa, MSc (1), T.Kimura, PhD (3), A.Takashima, PhD (3), H.Mori, PhD (1,2)
(1) Department of Neuroscience, Osaka City University Graduate School of Medicine, Osaka, Japan, (2) Core Research for Evolutional Science and Technology, Japan Science and Technology Agency, Japan, (3) Department of Aging Neurobiology, Center for Development of Advanced Medicine for Dementia, National Center for Geriatrics and Gerontology, Obu, Japan
- 7.00 p.m **Welcome Cocktail Reception at the Reading Terminal Market (see page 29)**

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7.30 a.m	LATE BREAKING ABSTRACTS SESSION - Regency Ballroom AB Moderators : Merce Boada, Robert Rissman
7.30 a.m	OC22 - Results from a phase II study to assess the clinical and immunological activity of AFFITOPE® AD02 in patients with early Alzheimer's disease (AD) <u>A.Schneeberger</u> , MD (1), S.Hendrix, PhD (2), F.Mattner, PhD (1), W.Schmidt, PhD (1), B.Dubois MD (3), for the investigators of CT AFF006 (1) AFFiRiS AG, Vienna, Austria, (2) Pentara Corporation, Salt Lake City, UT, USA, (3) Cognitive and Behavioral Disease Center and Alzheimer's Institute, Research INSERM Unit «Cognition, Neuroimaging and Brain Diseases», Salpêtrière University Hospital, Paris, France
7.45 a.m	OC23 - Methodological Aspects of a Phase II Study to Assess the Clinical and Immunological Activity, Safety and Tolerability of AFFITOPE® AD02 in Patients with Early Alzheimer's Disease (AD) <u>S.Hendrix</u> , PhD (1), S.Stanworth, MS (1), N.Ellison, MS (1), F.Mattner, PhD (2), W.Schmidt, PhD (2), A.Schneeberger, MD (2) (1) Pentara corporation, Salt Lake City, UT, USA, (2) AFFiRiS AG, Vienna, Austria
8.00 a.m	KEYNOTE 3 - Regency Ballroom AB Moderator : Jacques Touchon Molecular and Functional Imaging Markers in AD Secondary Prevention Trials Reisa Sperling, MD, Professor of Neurology, Harvard Medical School, Director, Center for Alzheimer Research and Treatment, Brigham and Women's Hospital, Harvard Aging Brain Study, Massachusetts General Hospital, Boston, MA - USA
8.30 a.m	SYMPOSIUM 2 - Regency Ballroom AB Novel drug targets and clinical trials designs for early intervention and prevention: estradiol, phyto-SERMs, and allopregnanolone Lon S.Schneider, MD, Keck School of Medicine of USC, Los Angeles, CA, USA 1. The ELITE trial for early intervention and the development of biomarker metabolic profiles for at-risk women J.Rettberg, PhD (1), H.Dang (2), H.Hodis, MD (3), R.Diaz Brinton, PhD (1,4), W.Mack, PhD (2) (1) Neuroscience, Dornsife College, University of Southern California, Los Angeles, CA, USA, (2) Department of Preventive Medicine, Keck School of Medicine of USC, Los Angeles, CA, USA, (3) Department of Medicine, Keck School of Medicine of USC, Los Angeles, CA, USA, (4) Dept. of Pharmacology and Pharmaceutical Sciences, School of Pharmacy, USC, Los Angeles, CA, USA 2. The clinical development of a unique phytoSERM preparation using a combined phase 1 and 2 biomarker trial L.S.Schneider, MD, (1,2), W.Mack, PhD, (3), R.Diaz Brinton, PhD (2,3) (1) Department of Psychiatry, Keck School of Medicine of USC, Los Angeles, CA, USA, (2) Department of Neurology, Keck School of Medicine of USC, Los Angeles, CA, USA, (3) Department of Preventive Medicine, Keck School of Medicine of USC, Los Angeles, CA, USA 3. Allopregnanolone as a regenerative therapeutic for MCI due to Alzheimer disease and early AD R.Diaz Brinton, PhD (1,2), R.Irwin, PhD (1), M.Rogawski, MD, PhD (3), G.Bauer, PhD, (3), K.Rogers, PhD (1), W.Mack, PhD, C.Solinsky (1), L.S.Schneider, MD (2,4) (1) Dept. of Pharmacology and Pharmaceutical Sciences, School of Pharmacy, USC, Los Angeles, CA, USA, (2) Department of Neurology, Keck School of Medicine of USC, Los Angeles, CA, USA, (3) Department of Neurology, University of California Davis, CA, USA, (4) Departments of Psychiatry, Keck School of Medicine of USC, Los Angeles, CA, USA

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Friday, November 21st

9.30 a.m

ORAL COMMUNICATIONS SESSION - Regency Ballroom AB

Moderators : Rachele Doody, Valérie Legrand

9.30 a.m

OC24 - A Closer Look at the Solanezumab Clinical Trials for Mild to Moderate AD

R.Doody MD, PhD

Alzheimer's Disease and Memory Disorders Center, Baylor College of Medicine, Houston, TX – USA Data Analysis and Publications Committee of the Alzheimer's Disease Cooperative Study

9.45 a.m

OC25 - Use of internet games to identify subjects at risk for cognitive decline

Jason Geyer, MS (1), Philip Insel, MS (1,2), Faraz Farzin, PhD (3), Daniel Sternberg, PhD (3), Joseph L. Hardy, PhD (3), Michael Scanlon MS (3), Dan Mungas, PhD (4), Joel Kramer, PsyD (5), Scott Mackin, PhD (6), Michael W Weiner, MD (1,2)

(1) Department of Radiology, University of California, San Francisco, CA, USA, (2) Center for Imaging of Neurodegenerative Diseases, VA Medical Center, San Francisco, CA, USA, (3) Lumos Labs, San Francisco, CA, USA, (4) Department of Neurology, University of California, Davis, CA, USA, (5) Department of Neurology, University of California, San Francisco, CA, USA, (6) Department of Psychiatry, University of California, San Francisco, CA, USA

10.00 a.m

OC26 - Dysregulation of mTOR pathway and potential role of a novel bloodbased phenotypic biomarker for the assessment of Alzheimer's disease and dementia risk

H.Hampel, MD, PhD, MA, MSc (1), B.Dubois, MD (1), S.Lista, PhD (1), O.Hansson, MD (2), O.Lopez, MD (3), I.McKeith, MD (4), J.O'Brien, MD (5), R.Pither, PhD (6), R.Vandenberghe, MD, PhD (7)

(1) Sorbonne Universities, Pierre and Marie Curie University, Paris - 6, Memory and Alzheimer's Disease Institute & Brain and Spine Institute Department of Neurology, Hôpital de la Pitié-Salpêtrière, Paris, France, (2) Memory Research Unit, Lund University, Sweden, (3) Department of Neurology, University of Pittsburgh, Pittsburgh, PA, USA, (4) Institute of Aging and Health, University of Newcastle upon Tyne, Newcastle upon Tyne, UK, (5) Department of Psychiatry, University of Cambridge, UK, (6) Cytox Ltd., Oxford, UK, (7) Department of Neurosciences, KU Leuven, Belgium

10.15 a.m

Poster sessions 2 and coffee break - Millennium Hall

10.45 a.m

ORAL COMMUNICATIONS SESSION - Regency Ballroom AB

Moderators : Bruno Dubois, Philip Scheltens

10.45 a.m

OC27 - The added-value of the IWG-2 criteria

B.Dubois, MD (1), H.Feldman, MD (2), H.Hampel, MD, PhD, MA, MSc (1), P.Scheltens, MD (3), J.L.Cummings, MD (4)

(1) Sorbonne Universities, Pierre and Marie Curie University, Paris - 6, Memory and Alzheimer's Disease Institute & Brain and Spine Institute Department of Neurology, Hôpital de la Pitié-Salpêtrière, Paris, France, (2) UBC Alzheimer Clinical Trials Program, Vancouver, BC, Canada, (3) Department of Neurology and Alzheimer Center, VU University Medical Center, MB Amsterdam, The Netherlands, (4) Cleveland Clinic Lou Ruvo Center for Brain Health, Las Vegas, NV, USA

11.00 a.m

OC28 - Baseline patient characteristics from the Phase 3 SCarlet RoAD trial, a study of gantenerumab in patients with prodromal AD

P.Scheltens (1), M.Boada (2), E.Dorflinger (3), T.Nikolcheva (4), E.Ashford (5), D.Volz (4), C.Edgar (5), R.Lasser (4), G.Garibaldi (4), L.Santarelli (4), S.Ostrowitzki (4), on behalf of the SCarlet RoAD investigators

(1) Department of Neurology and Alzheimer Center, VU University Medical Center, MB Amsterdam, The Netherlands, (2) Memory Clinic of Fundació ACE, Institut Català de Neurociències Aplicades, Barcelona, Spain, (3) Roche Translational & Clinical Research Center (TCRC), New York, USA, (4) F. Hoffmann-La Roche AG, Basel, Switzerland, (5) Roche Products Limited, Welwyn Garden City, UK

11.15 a.m

OC29 - The Neglected Targets in AD Therapy

A.Korczyń, MD, PhD, *Department of Neurology, Tel Aviv University, Israel*

11.30 a.m

OC30 - First evidence of PXT00864 effect in the treatment of mild AD: results on 30 patients from the PLEODIAL I study

C.Scart-Gres, MD (1), R.Haddad, PhD (1), J.Foucquier, PhD (1), M.Guedj, PhD (1), J.Hugon, MD, PhD (3), F.Pasquier, MD, PhD (4), S.Auriacombe, MD (5), P.Robert, MD, PhD (6), J.Touchon, MD, PhD (2), P-J.Ousset, MD (7), J-M.Orgogozo, MD, PhD (5), D.Cohen, MD, PhD (1)

(1) Pharnext SAS, Issy les Moulineaux, France, (2) Memory Research Resource Center for Alzheimer's disease, University Hospital Montpellier, France, (3) Memory Clinical Center CMRR Paris Nord Ile-de-France, Saint Louis-Lariboisiere, Fernand Widal Hospital, AP-HP, Paris, France, (4) Memory Clinic, University Hospital Lille, France, (5) Memory Research Resource Center for Alzheimer's disease, University Hospital Pellegrin, Bordeaux, France, (6) Memory Center CHU - EA CobTeK, University of Nice Sophia Antipolis, Nice, France, (7) Alzheimer's Disease Clinical Research Centre, Gèrontopôle, Toulouse University Hospital, France

11.45 a.m

OC31 - A novel target for Alzheimer's disease immunotherapy

B.Solomon, PhD, *Tel Aviv University, Ramat Aviv, Israel*

CTAD 2014 Program

Friday, November 21st

12.00 p.m	KEYNOTE 4 - Regency Ballroom AB Moderator : Mary Sano Non pharmacological clinical trials to prevent Alzheimer's disease Sandrine Andrieu, MD, PhD, <i>Toulouse University school of Medicine, Inserm UMR1027 University Paul Sabatier, Toulouse France</i>
12.30 p.m	Lunch Break and poster sessions 2 - Millennium Hall
1.30 p.m	SYMPOSIUM 3 - Regency Ballroom AB New Directions in Development of Therapeutics for Agitation and Aggression of AD Constantine Lyketsos MD, <i>Johns Hopkins University, Baltimore MD - USA</i> Epidemiology and Impact of Agitation/Aggression of AD 1. The New Era of Agitation/Aggression AD Trials: Mechanistic Targets & Trial Design Susan Abushakra MD, <i>Transition Therapeutics, San Mateo, CA</i> 2. CitAD Study: Main Efficacy and Safety Findings Anton P.Porsteinsson MD, <i>University of Rochester, Rochester, NY</i> 3. CitAD Secondary Analyses: Timing/Predictors of Response and Effects on Psychosis Daniel Weintraub, <i>University of Pennsylvania, Philadelphia PA</i> <ul style="list-style-type: none">• Panel discussion: Opportunities & Challenges of Agit/Aggr clinical trials• CitAD and Dextromethorphan/Quinidine Study & North American perspective Paul Rosenberg, <i>Johns Hopkins University, Baltimore MD</i>• ELND005 (Scyllo-inositol) Study & EU perspective Sandrine Andrieu MD, <i>University of Toulouse</i>
2.30 p.m	ORAL COMMUNICATIONS SESSION - Regency Ballroom AB Moderators : Jim Brewer, Ara Kachaturian
2.30 p.m	OC32 - Designing successful reader training programs for diagnostic radiopharmaceuticals K.Shamsi MD,PhD (1), V.Powell (2) <i>(1) RadMD & BRITI LLC, New York, NY – USA, (2) Theorem Clinical Research, King of Prussia, PA - USA</i>
2.45 p.m	OC33 - PRISM II: An Open-Label Study to Assess the Safety, Tolerability, and Effectiveness of Dextromethorphan 20 mg/Quinidine 10 mg (NUEDEXTA®) in Pseudobulbar Affect Secondary to Dementia, Stroke, or Traumatic Brain Injury: Early Results from the Alzheimer's Disease/Dementia Cohort R.S.Dooddy, MD, PhD (1), S.D'Amico, MD (2), A.J. Cutler, MD (3), P.Shin (4), F.Ledon (4), C.Yonan, PharmD (4), J.Siffert, MD (4) <i>(1) Baylor College of Medicine, Houston, TX, USA, (2) Cornerstone Medical Group, Franklin, TN, USA, (3) Florida Clinical Research Center, LLC, Bradenton, FL, USA, (4) Avanir Pharmaceuticals, Inc., Aliso Viejo, CA, USA</i>
3.00 p.m	OC34 - Detection of an FDG AD signature in early MCI and cognitively normal subjects and its potential for clinical trial enrichment D.Matthews, MS MBA (1), A.Lukic, PhD (1), R.Andrews, MS (1), J.Streffer, MD (2), E.Liu, PhD (3), L.Van Neuten, MD (2), M.Wernick, PhD (1,4), S.Strother, PhD (1,5), M.Schmidt, MD (2), on behalf of the Alzheimer's Disease Neuroimaging Initiative <i>(1) ADM Diagnostics, LLC, Chicago, Illinois, USA, (2) Janssen Research and Development, Beerse, Belgium, (3) Janssen Research and Development, New Jersey, USA, (4) Illinois Institute of Technology, Chicago, Illinois, USA, (5) The Rotman Research Institute Baycrest, Toronto, Ontario, Canada</i>
3.15 p.m	OC35 - APOE and BDNF polymorphisms moderate amyloid β-related cognitive decline in preclinical Alzheimer's disease P.Maruff (1,2), Y.Ying Lim PhD (3), V.L.Villemagne MD, PhD (2), S.M.Laws, PhD (4), R.H.Pietrzak, PhD (5), P.J.Snyder, PhD (3), D.Ames (2), K.A.Ellis, PhD (2), K.Harrington, BSc (2), A.Rembach, PhD (2), R.N.Martins, MD, PhD (4), C.C.Rowe, MD, PhD (2), C.L.Masters, MD, PhD (2) <i>(1) CogState, (2) University of Melbourne, Australia, (3) Brown University, RI, USA, (4) Sir James McCusker Alzheimer's Disease Research Unit, Perth, WA, Australia, (5) Yale University, CT, USA</i>

Friday, November 21st

- 3.30 p.m. **OC36 - Combination of biomarkers for amyloid positivity and structural neurodegeneration for enrichment of amnesic MCI clinical trials**
 M.Austin, PhD (1), R.Wolz, PhD (1,2), K.R.Gray, PhD (1,2), D.Hill, PhD (1)
 (1) IXICO Plc, London, UK, (2) Imperial College London, London, UK
- 3.45 p.m. **OC37 - A predictive multi-modal imaging marker for designing efficient and robust AD clinical trials**
 V.K.Ithapu (1), V.Singh (4,1), O.Okonkwo (2), S.C.Johnson (3,2)
 (1) Department of Computer Sciences, University of Wisconsin Madison, Madison WI, USA, (2) Department of Medicine, University of Wisconsin Madison, Madison WI, USA, (3) William S.Middleton Memorial VA Hospital, Madison WI, USA, (4) Department of Biostatistics and Medical Informatics, University of Wisconsin Madison, Madison WI, USA
- 4.00 p.m. **Poster sessions 2 and coffee break - Millennium Hall**
- 4.30 p.m. **KEYNOTE 5 - Regency Ballroom AB**
 Moderator : Constantine Lyketsos
 Tau Biomarkers, Therapy And Transmission: Implications For Alzheimer's Disease And Related Tauopathies
 J.Q.Trojanowski, M.D., Ph.D., W.Maul Measey-Truman, G.Schnabel Jr., M.D.
 Professor of Geriatric Medicine and Gerontology, University of Pennsylvania School of Medicine, Philadelphia, PA USA
- 5.00 p.m. **LATE BREAKING ABSTRACTS SESSION - Regency Ballroom AB**
 Moderators : Josh Breitner, Rema Raman
- 5.00 p.m. **OC38 - Correlation between cognition and function across the spectrum of Alzheimer's disease**
 H.Liu-Seifert, PhD (1), E.Siemers, MD (1), K.Selzler, PhD (1), K.Sundell, BS (1), P.Aisen, MD (3), J.Cummings, MD (4), J.Raskin, MD (2), R.Mohs, PhD (1)
 (1) Lilly Research Laboratories, Lilly Corporate Center, Indianapolis, IN, USA, (2) Eli Lilly Canada, Toronto, Canada, (3) Department of Neurosciences, University of California San Diego, San Diego, CA, USA, (4) Cleveland Clinic Lou Ruvo Center for Brain Health, Las Vegas, NV, USA, (5) Department of Psychiatry, Indiana University School of Medicine, Indianapolis, IN, USA
- 5.15 p.m. **OC39 - Kinetic analysis of dynamic PET studies using the Tau imaging tracer [18F]-AV-1451 (T807)**
 S.Shcherbinin (1), A.J.Schwarz (1), M.D. Devous Sr (2), A.Joshi (2), M.Navitsky (2), J.Dickson (2), M.Mintun (2)
 (1) Eli Lilly & Co, Indianapolis, IN, USA, (2) Avid Radiopharmaceuticals, Inc., Philadelphia, PA, USA
- 5.30 p.m. **OC40 - Peptides Of Presenilin-1 Offer A Novel And Specific Therapeutic Approach To Reduce β -Amyloid In Alzheimer's Disease**
 N.N.Dewji, PhD (1,2), S.J.Singer, PhD (2,3), E.Maslah, MD (4,5), E.Rockenstein, PhD (4), M.Kim, PhD (2), M.Harber, PhD (6), T.Horwood (7)
 (1) Department of Medicine, University of California at San Diego, La Jolla, CA, USA, (2) Cenna Biosciences Inc., La Jolla, CA, USA, (3) Division of Biological Sciences, University of California at San Diego, La Jolla, CA, USA, (4) Department of Neurosciences, University of California at San Diego, La Jolla, CA, USA, (5) Department of Pathology, University of California at San Diego, La Jolla, CA, USA, (6) ForteBio, Pall Corporation, Menlo Park, CA, USA, (7) Neurosciences Imaging Core, University of California at San Diego, La Jolla, CA, USA
- 5.45 p.m. **OC41 - The Feasibility of At-Home iPad Cognitive Testing For Use in Clinical Trials**
 D.M.Rentz, PsyD (1,5), M.Dekhtyar (2), J.Sherman (3), D.Blacketer, MD, ScD (4), R.E.Amariglio, PhD (5), K.V.Papp, PhD (5), A.Schembri, DPsych (6), T.Chenhall, MA (6), P.Maruff, PhD (6), P.Aisen, MD (7), R.A.Sperling, MD (1,5), B.T.Hyman, MD, PhD (1)
 (1) Department of Neurology, Massachusetts General Hospital, Harvard Medical School, Boston, MA USA, (2) Boston University, Boston, MA USA, (3) University of Chicago, Chicago, MA USA, (4) Department of Psychiatry, Massachusetts General Hospital, Harvard Medical School, Boston, MA USA, (5) Department of Neurology, Brigham and Women's Hospital, Harvard Medical School, Boston, USA, (6) CogState, Ltd., Melbourne, Australia, (7) University of California at San Diego, San Diego CA USA
- 6.00 p.m. **OC42 - A method for selection of preventive interventions in presymptomatic AD**
 J.CSBreitner, MD (1), J.Poirier, PhD (1,2), P.Etienne MD (1), Centre for Studies on Prevention of AD Research Group (1,2,3,4)
 (1) Douglas Hospital Research Centre, Montreal QC, Canada, (2) McGill University, Montreal QC Canada, (3) CRIUGM, University of Montreal, Montreal QC Canada, (4) Johns Hopkins University, Baltimore MD USA
- 6.15 p.m. **OC43 - Detecting Efficacy of Souvenaid Treatment in Patients with Alzheimer's Disease Using Network Analysis**
 K.Rockwood, MD (1,2), P.Scheltens, MD, PhD (3), RC.Shah, PhD (4), D.Bennett, MD (4), M.Richard, BSc (1), A.Mitnitski PhD (1,2)
 (1) DGI Clinical Inc., Halifax, NS, Canada, (2) Division of Geriatric Medicine, Dalhousie University, Halifax, NS, Canada, (3) Alzheimer Center, VU University Medical Center, Amsterdam, the Netherlands, (4) Rush Alzheimer's Disease Center, Rush University Medical Center, Chicago, USA

CTAD 2014 Program

Saturday, November 22nd

7.30 a.m **ORAL COMMUNICATIONS SESSION - Regency Ballroom AB**
Moderators : Zaven Kachaturian, Constantine Lyketsos

7.30 a.m **OC44 - Across-session reproducibility of hippocampal subfields: a European multi-site 3T study**
Marizzoni M, PhD (1), Bosch B, MSc(2), Bartrés-Faz D, MD (3), Arnold J, MD (4), Benninghoff J, MD (4), Wiltfang J, MD (4), Roccatagliata L, MD (5,6), Picco A, MD (7), Nobili F, MD (7), Blin O, MD (8), Bombois S, MD (9), Lopes R, MD (10), Bordet R, MD (9), Ranjeva JP, PhD (11), Didic M, MD (12,13), Gros-Dagnac H, MD (14,15), Payoux P, MD (14,15), Zoccatelli G, PsyD(16), Alessandrini F, MD (16), Beltramello A, MD (16), Bargalló N, MD (17), Ferretti A, MD (18,19), Caulo M, MD (18,19), Aiello M, MD (20), Ragucci M, MD (20), Soricelli A, MD (21), Salvadori N, PsyD (22), Tarducci R, MD (23), Floridi P, MD (23), Tsolaki M, MD (24), Constantinidis M PhD(25), Drevelegas A, MD (25,26), Rossini PM, MD (27,28), Marra C, MD (29), Otto J, MD (30), Reiss-Zimmermann M, MD (30), Hoffmann KT, MD (30), Leeuwis A, PhD (31), JPA K, MD (31), Visser PJ, MD (31), Scheltens P, MD (31), Antelmi L, PhD(1,32), Frisoni GB, MD (1,32), Jovicich J, PhD (33), The PharmaCog Consortium

7.45 a.m **OC45 - Increasing gangliosidase activity corrects the behavioral phenotype in Dutch APPE693Q mice through reduction of ganglioside-bound A β**
BA.Wustman (1), EM.Knight (2), HN.Williams (3), AC.Stevens (1), SH.Kim (2), JC.Kottwitz (4), AD.Morant (4), JW.Steele (1), WL.Klein (5), K.Yanagisawa (6), RE.Boyd (3), DJ.Lockhart (1), ER.Sjoberg (1), ME.Ehrlich (4), S.Gandy (2,7)
(1) OrPhi Therapeutics, Carlsbad, CA, USA, (2) Alzheimer's Disease Research Center, Icahn School of Medicine at Mount Sinai, New York, NY, USA, (3) Amicus Therapeutics, Cranbury, NJ, USA, (4) Icahn School of Medicine at Mount Sinai, New York, NY, USA, (5) Alzheimer's Disease Center, Northwestern University, Evanston, IL, USA, (6) Research Institute, National Center for Geriatrics and Gerontology, Obu City, Aichi, Japan, (7) James J. Peters Veterans Affairs Medical Center, Bronx, New York, NY, USA

8.00 a.m **KEYNOTE 6 - Regency Ballroom AB**
Moderator : Zaven Kachaturian
Health Economics Outcomes in Preventive AD trials
Howard Fillit, MD, *Founding Executive Director and Chief Science Officer, The Alzheimer's Drug Discovery Foundation, New York, NY – USA*

8.30 a.m **ORAL COMMUNICATIONS SESSION - Regency Ballroom AB**
Moderators : Cristina Sampaio, Reisa Sperling

8.30 a.m **OC46 - Exploration of various cognitive assessment scales and their application in Alzheimer's Clinical Trials**
G.Grossberg MD (1), V.Powell (2)
(1) Department of Neurology & Psychiatry, St Louis University School of Medicine, St Louis, MO, (2) Theorem Clinical Research, King of Prussia, PA

8.45 a.m **OC47 - ADCOMS Predicts Time to Conversion to AD Dementia**
J.Wang, PhD (1), V.Logovinsky, MD, PhD (1), M.Rabe, MSc (1), I.Do, PharmD (1), S.Hendrix, PhD (2), J.Luthman, DDS, PhD (1), S.Dhadda, PhD (1), A.Satlin, MD (1)
(1) Eisai Inc., Neuroscience & General Medicine, Woodcliff Lake, NJ, (2) Pentara Corporation, Salt Lake City, UT

9.00 a.m **OC48 - Application of Markov Models to Word Recall Tasks to Improve Cognitive Assessment Capability for Better Trial Management**
G.E.Alexander, MS (1), T.A.Satalich, PhD (2), W.H.Batchelder, PhD (1), W.R.Shankle, MS, MD (1,3)
(1) Dept. of Cognitive Sciences, University of California at Irvine, Irvine, CA, USA, (2) Institute for Mathematical Behavioral Sciences, University of California at Irvine, Irvine, CA, USA, (3) Medical Care Corporation, Newport Beach, CA, USA

9.15 a.m **OC49 - Cognitive decline, hippocampal atrophy and amyloid accumulation in preclinical and prodromal AD : Clinical trial implications**
P.Maruff, PhD (1,2,6), Y.Ying Lim (2), R.H.Pietrzak (3), D.Ames (4,6), K.A.Ellis (4,6), C.L.Masters (2,4,6), C.C.Rowe (5,6), V.L.Villemagne (5,6)
(1) CogState Ltd, (2) The Florey Institute of Neuroscience and Mental Health, Parkville, Victoria, Australia, (3) Yale University Medical School, (4) The University of Melbourne, (5) Department of Medicine, Austin Health, The University of Melbourne, Heidelberg, Victoria, Australia, (6) For the AIBL Research Group

9.30 a.m **OC50 - Amyloid-related imaging abnormalities-hemosiderin (ARIA-H) in patients with Alzheimer's disease treated with bapineuzumab**
H.Michael Arrighi, PhD (1), J.Barakos, MD (2), F.Barkhof, MD, PhD (3), C.Jack Jr, MD (4), D.Tampieri, MD (5), D.Melançon, MD (5), K.Morris, MS (6), N.Ketter, MD (1), E.Liu, PhD (1), H.R.Brashear, MD (1)
(1) Janssen Research & Development, South San Francisco, California, USA, (2) California Pacific Medical Center, San Francisco, California, USA and Synarc, Newark, California, USA, (3) Image Analysis Centre, Department of Radiology VU University Medical Center, Amsterdam, The Netherlands; and Diagnostic Radiology, VU University Medical Center, Amsterdam, The Netherlands, (4) Mayo Clinic, Rochester, Minnesota, USA, (5) NeuroRx Research, Montreal, Canada, (6) Janssen Alzheimer Immunotherapy R&D, South San Francisco, CA, USA during the conduct of the study

CTAD 2014 Program

Saturday, November 22nd

9.45 a.m **OC51 - Study of ELND005 in Agitation and Aggression of Alzheimer's Disease (HARMONY-AD): Diagnostic Criteria and Patient Characteristics**
 S.Abushakra MD (1), A.P.Porsteinsson MD (2), J.Mintzer MD (3), P.Kesslak PhD (1), F.Fan PhD (1), B.Vellas MD (4), C.Lyketos MD (5)
 (1) Transition Therapeutics USA, San Mateo CA, (2) Department of Psychiatry, University of Rochester, Rochester NY, (3) Clinical Biotechnology Research Institute, Roper St. Francis, Charleston, SC, (4) Alzheimer Disease Center & Gerontopole, University of Toulouse, Toulouse France, (5) Department of Psychiatry, Johns Hopkins University, Baltimore MD

10.00 a.m **Poster sessions 3 and coffee break - Millennium Hall**

10.30 a.m **SYMPOSIUM 4 - Regency Ballroom AB**

Neurobiology and Therapeutic Advances in Neuropsychiatric Symptoms of Dementia

Jeffrey Cummings, MD, *Cleveland Clinic, Lou Ruvo Center for Brain Health*

1. **Introduction: Advances in neuropsychiatric drug development**
 Jeffrey Cummings, MD, *Cleveland Clinic, Lou Ruvo Center for Brain Health*
2. **Neurobiological insights into NPS of dementia and other neurological disorders**
 Paul Rosenberg, MD, *Johns Hopkins Hospital, Memory and Alzheimer's Treatment*
3. **Development of AVP-923 (dextromethorphan/quinidine) for pseudobulbar affect: first compound specifically approved for NPS of a neurological disorder**
 Erik Pioro, MD, PhD, *Cleveland Clinic, Neuromuscular Center*
4. **Clinical trial data of NPS across neurological disorders and rationale of DMQ development for agitation in AD**
 Joao Siffert, MD, *Avanir Pharmaceuticals, Inc.*

Closing Remarks
 Jeffrey Cummings, MD

11.30 a.m **ORAL COMMUNICATIONS SESSION - Regency Ballroom AB**

Moderators : Susan Abushakra, Jacques Touchon

11.30 a.m **OC52 - Tolerability after single dose administration of LY3002813, a betaamyloid plaque-specific antibody, in amyloid positive Alzheimer's disease**
 J.R.Sims, MD (1), S.LLowe PhD (1), M.Nakano MD (1), A.Hawdon PhD (1), T.Ando PhD (1), K.Jackson PhD (1), B.A.Willis PhD (1), C.R.Gonzales PhD (1), L.Chua PhD (1), S.Fujimoto PhD (1), R.B.Dematoss, PhD (1)
 (1) Neuroscience Early Phase, Lilly Research Laboratories, Indianapolis, IN, USA

11.45 a.m **OC53 - Optimal [18F]Florbetapir PET Target and Reference Regions for Enrichment of Amyloid-Positive Subjects in Clinical Trials**
 F.Carbonell, PhD (1), A.P. Zijdenbos, PhD (1), M.Grand'Maison, MSc (1), A.C. Evans, PhD (1,2), J.Sevigny, MD (3), P.Chiao, PhD (3), B.J.Bedell, MD, PhD (1,2)
 (1) Biospective Inc., Montreal, QC, Canada, (2) McGill University, Montreal, QC, Canada, (3) Biogen Idec, Cambridge, MA, USA

12.00 a.m **OC54 - Cognitive and Behavioral Assessment of Adults with Down Syndrome: Baseline data from Phase2a Study of the Investigational Agent ELND005**
 J.P.Kesslak PhD (1), M.Rafii MD, PhD (2), I.Lott MD (3), B.Skotko MD, MPP (4), F.Fan PhD (1), K.Wesnes PhD (5), M.Kurth MD, PhD (1), A.Pastrak MD (6), S.Abushakra MD (1)
 (1) Transition Therapeutics, San Mateo, CA, (2) Department of neurosciences, University of California, San Diego, (3) Department of Neurology, University of California, Irvine, (4) Down Syndrome Program at Massachusetts General Hospital, (5) Bracket Global, Goring-On-Thames, UK, (6) Transition Therapeutics, Toronto ON, Canada



POSTER PRESENTATIONS

POSTER SESSION 1 : Thursday, November 20th	p. 17
P1-1 to P1-39	
POSTER SESSION 2 : Friday, November 21st	p. 22
P2-1 to P2-39	
POSTER SESSION 3 : Saturday, November 22nd	p. 27
P3-1 to P3-15	

POSTER PRESENTATIONS

POSTER SESSION 1: Thursday, November 20th

- P1-1** **A PHASE 2 RANDOMIZED DOUBLE-BLIND PLACEBO-CONTROLLED STUDY OF VANUTIDE CRIDIFICAR VACCINE (ACC-001) IN PATIENTS WITH EARLY ALZHEIMER'S DISEASE**
Ghislaine Le Prince Leterme, PhD¹, Kevin Booth, MD², Mary Slomkowski, PharmD³, Yahong Peng, PhD⁴, Christopher van Dyck, MD⁵, Nzeera Ketter, MD⁶, Enchi Liu, PhD⁶, Claudine Brisard, MD¹, Michael Ryan, MD³
- P1-2** **BIOMARKER RESULTS FROM THE CRENEZUMAB ANTI -AB PHASE 2 BIOMARKER TRIAL**
Lee Honigberg, PhD¹, David Clayton, PhD¹, William Cho, MD¹, Christina Rabe, PhD¹, Michel Friesenhahn, MA¹, Michael Ward, PhD¹, Stephen Schauer BA¹, Kristin Wildsmith PhD¹, Shehnaaz Suliman, MD¹, Carole Ho, MD¹, Robert Paul, MD, PhD¹
⁽¹⁾ Genentech, Inc.
- P1-3** **ENRICHMENT OF EARLY-STAGE AD PATIENT RECRUITMENT TO A PHASE IB STUDY (221AD103) THROUGH AMYLOID PET SCREENING BY APOE E4 STATUS**
Ping Chiao, PhD¹, Joyce Suh, PhD², Jerome Barakos, MD^{2,3}, Meredith Burke, PhD², Gregory Klein, PhD², Ajay Verma, MD, PhD¹, Jeff Sevigny, MD¹
⁽¹⁾ Biogen Idec, Cambridge, MA, USA, ⁽²⁾ BioClinica Inc, Newark, CA, USA, ⁽³⁾ California Pacific Medical Center, San Francisco, CA, USA
- P1-4** **RATIONALE AND PRELIMINARY DATA FOR THE ADCS MULTICENTER TRIAL: PRAZOSIN FOR AGITATION IN ALZHEIMER'S DISEASE**
Murray A. Raskind, MD^{1,2}, Elaine R. Peskind, MD^{1,2}, Lucy Wang, MD^{1,2}
⁽¹⁾ VA Puget Sound Health Care System, Mental Illness Research, Education and Clinical Center (MIRECC), Seattle/American Lake, WA, USA, ⁽²⁾ University of Washington, Department of Psychiatry and Behavioral Sciences, Seattle, WA, USA
- P1-5** **AN ANALYSIS OF THE EFFECT OF DONEPEZIL ON NEUROPSYCHIATRIC SYMPTOMS IN POOLED DATA FROM 3 PHASE 2 TRIALS IN MILD-TO-MODERATE AD**
Bradford Navia, MD, PhD¹, Weining Robieson, PhD¹, Yunzhi Lin, PhD¹, Richard Silbert, MS¹, Laura M.Gault, MD, PhD¹
⁽¹⁾ AbbVie Inc, North Chicago, IL, USA
- P1-6** **EFFECTS OF SCOPOLAMINE ON WORKING MEMORY TASK AND RESTING FUNCTIONAL CONNECTIVITY USING FMRI IN HEALTHY KOREAN SUBJECTS**
Brett A. English, PhD^{1,2}, Alex Korb, PhD³, Niki Osimo, LVN¹, Adam Bazih, MD⁴, Cameron Rodriguez, PhD⁴, Lev Gertsik, MD⁵, Byron Sotomayor, MD⁶, Stanford S. Jhee, PharmD¹, Larry Ereshefsky, PharmD^{1,7}
⁽¹⁾ PAREXEL International Early Phase Clinical Research Unit, Glendale, CA, ⁽²⁾ Department of Pharmacology, Vanderbilt University Medical Center, Nashville, TN, ⁽³⁾ Department of Psychiatry, University of California, Los Angeles, Los Angeles CA, ⁽⁴⁾ SMRT Image, Inc, Los Angeles, CA, ⁽⁵⁾ California Clinical Trials Medical Group, Glendale, CA, ⁽⁶⁾ Arcadia MRI and Imaging Center, Arcadia, CA, ⁽⁷⁾ University of Texas College of Pharmacy, Austin, TX
- P1-7** **MAPT STUDY: A MULTIDOMAIN APPROACH FOR PREVENTING ALZHEIMER'S DISEASE: DESIGN & BASELINE DATA**
Vellas.B^{1,2,3}, Carrie.I¹, Gillette-Guyonnet.S^{1,2,3}, Touchon.J⁴, Dantoine.T⁵, Dartigues.J-F⁶, Cuffi.M-N⁷, Bordes.S⁸, Gasnier.Y⁸, Robert.P⁹, Bories.L¹⁰, Rouaud.O¹¹, Desclaux.F¹², Sudres.K¹³, Bonnefoy.M¹⁴, Pesce.A¹⁵, Dufouil.C¹⁶, Lehericy.S¹⁷, Chupin.M¹⁸, Mangin.J-F¹⁹, Payoux.P^{20,21}, Adel.D²⁰, Legrand.P²², Catheline.D²², Kanony.C²³, Zaim.M²³, Molinier.L^{2,3,24}, Costa.N^{2,3,24}, Delrieu.J¹, Voisin.T^{1,2,3}, Faisant.C¹, Lala.F¹, Nourhashemi.F^{1,2,3}, Rolland.Y^{1,2,3}, Abellan Van Kan.G^{1,2,3}, Dupuy.C^{1,2}, Cantet.C^{1,2,3}, Cestac.P^{1,2,3}, Belleville.S²⁵, Willis.S²⁶, Cesari.M^{1,2,3}, Weiner.MW²⁷, Soto.M.E^{1,2,3}, Ousset.PJ^{1,2,3}, Andrieu.S^{1,2,3,28}
⁽¹⁾ Gérontopôle, Department of Geriatrics, CHU Toulouse, Purpan University Hospital, Toulouse, France; ⁽²⁾ -INSERM UMR 1027, Toulouse, France; ⁽³⁾ University of Toulouse III, Toulouse, France; ⁽⁴⁾ Department of Neurology, Memory Research Resource Center for Alzheimer's Disease, University Hospital of Montpellier, Montpellier, France; ⁽⁵⁾ Geriatrics Department, Memory Research Resource Center, University Hospital of Limoges, Limoges, France; ⁽⁶⁾ INSERM U897, Memory Research Resource Center for Alzheimer's Disease, University Hospital of Bordeaux, Bordeaux, France; ⁽⁷⁾ Geriatrics Department, Hospital of Castres, Castres, France; ⁽⁸⁾ Geriatrics Department, Hospital of Tarbes, Tarbes, France; ⁽⁹⁾ Memory Research Resource Center, University Hospital of Nice, Nice, France; ⁽¹⁰⁾ Geriatrics Department, Hospital of Foix, Foix, France; ⁽¹¹⁾ Memory Research Resource Center, Neurology Department, University Hospital of Dijon, Dijon, France; ⁽¹²⁾ Geriatrics Department, Hospital of Lavaur, Lavaur, France; ⁽¹³⁾ Geriatrics Department, Hospital of Montauban, Montauban, France; ⁽¹⁴⁾ Geriatrics Department, Centre Hospitalier Lyon-Sud, Lyon, France; ⁽¹⁵⁾ Geriatrics Department, Hospital of Princess Grace, Monaco; ⁽¹⁶⁾ INSERM Center U897, CIC-EC7, Bordeaux University, Department of Public Health of CHU Bordeaux, Bordeaux, France; ⁽¹⁷⁾ Institut du Cerveau et de la Moelle épinière, Centre de NeuroImagerie de Recherche (CENIR), InstiCRICM, UPMC/Inserm U975, CNRS 7225, Hôpital Pitié Salpêtrière, Paris, France; ⁽¹⁸⁾ Inserm U1127, CNRS UMR 7225, Sorbonne Universités, UPMC Univ Paris 06 UMR S 1127, Institut du Cerveau et de la Moelle épinière, ICM, Inria Paris-Rocquencourt, F-75013, Paris, France; ⁽¹⁹⁾ CATI, NeuroSpin, CEA-Saclay Center, Gif-sur-Yvette, France; ⁽²⁰⁾ INSERM UMR 825, Toulouse, France; ⁽²¹⁾ Department of Nuclear Medicine, CHU Toulouse, Purpan University Hospital, Toulouse, France; ⁽²²⁾ Nutrition Department, Agrocampus-INRA, Rennes, France; ⁽²³⁾ Institut de Recherche Pierre Fabre, Toulouse, France; ⁽²⁴⁾ Department of Medical Information, CHU Toulouse, Toulouse, France; ⁽²⁵⁾ Research Center, Institut Universitaire de Gériatrie de Montréal, Montréal, Canada; ⁽²⁶⁾ Department of Psychiatry and Behavioral Sciences, University of Washington, Washington, USA; ⁽²⁷⁾ University of California, San Francisco, California, United States; ⁽²⁸⁾ Department of Epidemiology and Public Health, CHU Toulouse, Toulouse, France

POSTER PRESENTATIONS

POSTER SESSION 1: Thursday, November 20th

- P1-8** **EARLY- VERSUS LATE-ONSET ALZHEIMER'S DISEASE—3-YEAR OUTCOMES OF CHOLINESTERASE INHIBITOR TREATMENT IN ROUTINE CLINICAL PRACTICE**
Carina Wattmo, RN, BSc, PhD¹, Lennart Minthon, MD, PhD¹, Åsa K. Wallin, MD, PhD¹
⁽¹⁾ *Clinical Memory Research Unit, Department of Clinical Sciences, Malmö, Lund University, Malmö, Sweden*
- P1-9** **FIRST EVIDENCE OF PXT00864 NEUROLOGICAL PROTECTIVE EFFECT IN SCOPOLAMINE-INDUCED MEMORY IMPAIRMENT MODEL IN HUMANS**
Raphael Haddad, PhD¹, Sory Traoré, PhD¹, Julie Foucquier, PhD¹, Mickael Guedj, PhD¹, Philippe Betting, MD², Catherine Scart Grès, MD¹, Daniel Cohen, MD, PhD¹
⁽¹⁾ *Pharnext SAS, Issy les Moulineaux, France*, ⁽²⁾ *SGS, Paris, France*
- P1-10** **P300 COMPONENTS USED AS BIOMARKER TO TEST THE EFFECT OF A NEW FIXED COMBINATION IN SCOPOLAMINE-INDUCED MEMORY IMPAIRMENT MODEL**
Peter Schmitt¹, Raphael Haddad, PhD¹, Julie Foucquier, PhD¹, Mickael Guedj, PhD¹, Philippe Betting, MD², Karim Bennys, MD³, Catherine Scart Grès, MD¹, Daniel Cohen, MD, PhD¹
⁽¹⁾ *Pharnext, Issy les Moulineaux, France*, ⁽²⁾ *SGS, Paris, France*, ⁽³⁾ *Memory Research Resource Center for Alzheimer's disease, University Hospital Montpellier, France*
- P1-11** **APPLICATION OF SPATIO-TEMPORAL PCA FOR ANALYZING EVENT-RELATED POTENTIAL (ERP)**
Peter Schmitt¹, Raphael Haddad, PhD¹, Catherine Scart-Grès, MD¹, Mickael Guedj, PhD¹, Daniel Cohen, MD, PhD¹
⁽¹⁾ *Pharnext, Issy les Moulineaux, France*
- P1-12** **INFLUENCE OF PERIOPERATIVE HYPNOTHERAPY ON POSTOPERATIVE IMPROVEMENT IN COGNITIVE PERFORMANCE (HYPNOC): PRELIMINARY RESULTS OF A RANDOMIZED CONTROLLED CLINICAL TRIAL**
C. Ionescu MD, F. Borchers MD¹, E. Weiss-Gerlach PhD¹, K.-D. Wernecke PhD¹, C. Spies MD¹
⁽¹⁾ *Dept. of Anesthesiology and Intensive Care Medicine, Charité-Universitätsmedizin Berlin, Campus Virchow-Klinikum and Campus Charité Mitte, Berlin, Germany*
- P1-13** **CENTRAL REVIEW IN THE DETECTION AND REMEDIATION OF ASSESSMENT ERRORS IN AD CLINICAL TRIALS**
Christopher Randolph PhD^{1,2}, Yi Mo PhD³, Jim Kost PhD³, Lyn Harper-Mozley PhD³, Michael F. Egan MD³
⁽¹⁾ *Loyola University Medical Center*, ⁽²⁾ *MedAvante, Inc.*, ⁽³⁾ *Merck & Co., Inc.*
- P1-14** **THE DESIGN AND IMPLEMENTATION OF A COMPUTER SUPPORTED ASSESSMENT OF DEMENTIA - ACEMOBILE**
Dr Craig Newman, BSc Hons, PhD, DCLinPsych¹, Dr Rupert F Noad, BSc, DipPsych, MPhil, DCLinPsych, PGDipClinNeuro², Dr Stephen Pearson, MD, FRCPSYCH³
⁽¹⁾ *NeuroCoRe, University of Plymouth, Plymouth, United Kingdom*, ⁽²⁾ *Plymouth Hospitals NHS Trust, Plymouth, United Kingdom*, ⁽³⁾ *Devon Partnership Trust, Devon, United Kingdom*
- P1-15** **ARIA-E CASE DESCRIPTIONS FROM PLACEBO-CONTROLLED AND OPEN LABEL TRIALS OF SOLANEZUMAB FOR THE TREATMENT OF ALZHEIMER'S DISEASE**
Christopher Carlson, PhD¹, Eric Siemers, MD¹, Roza Hayduk, MD², Joyce Suhy, PhD³, Joonmi Oh, PhD³, Jerome Barakos, MD^{3,4}
⁽¹⁾ *Lilly Research Laboratories, Eli Lilly and Company, Indianapolis, IN, USA*, ⁽²⁾ *Quintiles, Indianapolis, IN, USA*, ⁽³⁾ *SynArc; Newark, CA, USA*, ⁽⁴⁾ *California Pacific Medical Center, San Francisco, CA, USA*
- P1-16** **COGNITIVE AND FUNCTIONAL DECLINE AMONG PATIENTS WITH MILD ALZHEIMER'S DISEASE WITH AND WITHOUT COMORBID DIABETES**
Haya Ascher-Svanum, PhD¹, Yun-Fei Chen, PhD¹, Kristin Kahle-Wroblewski, PhD¹, Ann Hake, MD¹, Dara Schuster, MD¹, David Kendall, MD¹, Robert Heine, MD¹
⁽¹⁾ *Eli Lilly and Company, Indianapolis, IN, USA*
- P1-17** **REGIONALLY-SPECIFIC SUVR VALUES IN EARLY-STAGE AD PATIENTS SCREENED WITH AMYLOID PET**
David Scott, PhD¹, Joyce Suhy, PhD¹, Mehul Sampat, PhD¹, Ping Chiao, PhD², Jeff Sevigny, MD², Gregory Klein, PhD¹
⁽¹⁾ *Eli Lilly and Company, Indianapolis, IN, USA*
- P1-18** **AMYLOID STATUS IMPUTED FROM STRUCTURAL MRI DISTINGUISHES PROGRESSORS FROM NON-PROGRESSORS IN A MILD AD CLINICAL TRIAL COHORT**
Duygu Tosun-Turgut¹, Yun-Fei Chen², Peng Yu², Karen Sundell², Pete Castelluccio², Joyce Suhy³, Eric Siemers², Adam J. Schwarz², Michael W. Weiner¹
⁽¹⁾ *Department of Radiology and Biomedical Imaging, University of California San Francisco, CA, USA*, ⁽²⁾ *Eli Lilly and Company, Indianapolis, IN, USA*, ⁽³⁾ *SynArc, Newark, CA, USA*

POSTER PRESENTATIONS

POSTER SESSION 1: Thursday, November 20th

P1-19 SAFETY AND PHARMACOKINETICS OF ORAL ELND005 IN YOUNG ADULTS WITH DOWN SYNDROME: DATA FROM A 4-WEEK RANDOMIZED, THREE ARM, PLACEBO CONTROLLED STUDY

Earvin Liang, PhD¹, J Patrick Kessler, PhD¹, Matthias Kurth, MD, PhD¹, Aleksandra Pastrak, MD², Susan Abushakra, MD¹
(¹) Transition Therapeutics USA, San Mateo, CA, USA, (²) Transition Therapeutics, Toronto, ON, Canada

P1-20 CLINICAL TRIALS AND HISTOLOGICAL DATA ON RETINAL AMYLOID-BETA IMAGING IN ALZHEIMER'S PATIENTS

Maya Koronyo-Hamaoui, PhD^{1,2,3}, David Biggs, PhD³, Ernesto Barron⁴, David R. Hinton, MD⁵, David S. Boyer, MD⁶, Dieu-Trang Fuchs, MSc¹, Carol A. Miller, MD⁷, Sally Frautschy, PhD⁸, Greg M.Cole, PhD⁸, Steven R. Verdooner³, Keith L. Black, MD^{1,3}, Yosef Koronyo, LLB, MSc^{1,3}

(¹) Department of Neurosurgery, the Maxine Dunitz Neurosurgical Research Institute, Los Angeles, CA, USA, (²) Department of Biomedical Sciences, Cedars-Sinai Medical Center, Los Angeles, CA, USA, (³) Neurovision Imaging, LLC, Sacramento, CA, USA, (⁴) The Doheny Eye Institute, University of Southern California, Los Angeles, CA, USA, (⁵) Pathology, Neurosurgery, Ophthalmology, Keck School of Medicine, Los Angeles, CA, USA, (⁶) Retina Vitreous Associates Medical Group, Los Angeles, CA, USA, (⁷) Department of Pathology and Neurology, Keck School of Medicine University of Southern California, USA, (⁸) Department of Neurology; University of California Los Angeles; Geriatric Research and Clinical Center; Greater Los Angeles Veterans Affairs Healthcare System; West Los Angeles Medical Center, Los Angeles, CA USA

P1-21 THE ASSOCIATION BETWEEN APOE AND DIAGNOSIS ON BRAIN ATROPHY AND AMYLOID DEPOSITION IN HEALTHY CONTROLS, MCI AND AD DEMENTIA

Elisabeth K. Degenhardt, MSN^{1,2}; Leanne Munsie, BS¹; Peng Yu, PhD¹; Jia Sun, MPH³; Michael M. Witte, PhD¹; Helen Hochstetler, PharmD¹; Katherine Selzler, PhD¹; Michael D. Devous, Sr., PhD¹; Adam J. Schwarz, PhD^{1,4}; Paula T. Trzepacz, MD^{11,5}; Andrew J. Saykin, PsyD⁵

P1-22 PRACTICE EFFECTS RELATED TO ITEM FAMILIARITY ARE DIMINISHED IN CLINICALLY NORMAL OLDER PARTICIPANTS WITH ELEVATED AMYLOID

Elizabeth C. Mormino, PhD¹, Dorene M. Rentz, PsyD^{1,2}, Rebecca E. Amariglio, PhD^{1,2}, Kathryn Papp^{1,2}, Rebecca A. Betensky, PhD³, Aaron P. Schultz, PhD^{1,4}, Trey Hedden, PhD^{4,5}, Sarah Wigman^{2,4}, Tamy-Fee Meneide¹, Catherine Munro¹, Sehily Jaimes¹, Alison Pietras², Molly LaPoint^{1,4}, Margaret Chute², Keith A. Johnson, MD^{1,2,4,6}, Reisa A. Sperling, MD^{1,2,3}

(¹) Department of Neurology, Massachusetts General Hospital, Massachusetts General Hospital, Harvard Medical School, Boston, MA, (²) Center for Alzheimer Research and Treatment, Department of Neurology, Brigham and Women's Hospital, Harvard Medical School, Boston, MA, (³) Department of Biostatistics, Harvard School of Public Health, Boston, MA, (⁴) Athinoula A. Martinos Center for Biomedical Imaging, Massachusetts General Hospital, Charlestown, MA, (⁵) Department of Radiology, Massachusetts General Hospital, Harvard Medical School, Boston, MA, (⁶) Division of Nuclear Medicine and Molecular Imaging, Department of Radiology Massachusetts General Hospital, Harvard Medical School, Boston, MA

P1-23 APOE-E4 CARRIER STATUS DOES NOT INFLUENCE COGNITIVE SCORE TRAJECTORIES IN COGNITIVELY NORMAL YOUNG-OLD MEN: RESULTS FROM PREADVICE

Erin Abner, PhD^{1,3}, Richard Kryscio, PhD^{2,3}, Allison Caban-Holt, PhD^{3,4}, Frederick Schmitt, PhD^{3,4,5}

(¹) Department of Epidemiology, University of Kentucky, Lexington, KY, USA, (²) Departments of Statistics and Biostatistics, University of Kentucky, Lexington, KY, USA, (³) Sanders-Brown Center on Aging, University of Kentucky, Lexington, KY, USA, (⁴) Department of Behavioral Sciences, University of Kentucky, Lexington, KY, USA, (⁵) Department of Neurology, University of Kentucky, Lexington, KY, USA

P1-24 THE INCREMENTAL DIAGNOSTIC VALUE OF 18F-FLORBETAPIR IMAGING IN NATURALISTIC PATIENTS WITH COGNITIVE IMPAIRMENT: THE INDIA-FBP STUDY

Marina Boccardi, PsyD, PhD¹, Anna Tarallo, PsyD¹, Daniele Altomare PsyD¹, Cristina Festari PsyD¹, Ugo P Guerra, MD², Cristina Muscio, PsyD¹, Barbara Paghera, MD³, Claudio Pizzocaro, MD², Michela Pievani, MS, PhD¹, Alessandro Padovani, MD⁴, Giovanni B Frisoni, MD^{1,5}, and the INDIA-FBP working group.

(¹) Laboratory of Epidemiology, Neuroimaging and Telemedicine, IRCCS Centro San Giovanni di Dio-Fatebenefratelli, Brescia, Italy, (²) Nuclear Medicine Department, Fondazione Poliambulanza, Brescia, Italy, (³) Nuclear Medicine, University of Brescia and Spedali Civili di Brescia, Brescia, Italy, (⁴) Centre for Neurodegenerative Disorders, Neurology Unit, University of Brescia, Brescia, Italy, (⁵) Memory Clinic and LANVIE - Laboratory of Neuroimaging of Aging, University Hospitals and University of Geneva, Geneva, Switzerland

P1-25 HOFFMAN PHANTOM ACQUISITION AND ANALYSIS METHODS FOR QUALIFICATION OF PET CENTERS IN MULTICENTER NEUROLOGY CLINICAL TRIALS

Gregory Klein, PhD¹, David Scott, PhD¹, Mehul Sampat, PhD¹, Joyce Suhy, PhD¹

(¹) Bioclinica, Inc, Newark, CA, USA

POSTER PRESENTATIONS

POSTER SESSION 1: Thursday, November 20th

- P1-26 NEUROPSYCHIATRIC SYMPTOMS IN DEMENTIA - A ROLE FOR NEUROINFLAMMATION?**
Simon Holmgren¹, Erik Hjorth², Marianne Schultzberg², Marie Lärksäter³, Dan Frenkel⁴, Ann Christine Tysen-Bäckström³, Dag Aarsland^{5,6}, Yvonne Freund-Levi^{1,3}
⁽¹⁾ Department of Neurobiology, Care Sciences & Society (NVS), Division of Clinical Geriatrics, Karolinska Institutet, Stockholm, Sweden, ⁽²⁾ Department of Neurobiology, Care Sciences & Society (NVS), Division of Neurodegeneration, Karolinska Institutet, Stockholm, Sweden, ⁽³⁾ Department of Geriatric Medicine, Karolinska University Hospital Huddinge, Stockholm, Sweden, ⁽⁴⁾ Department of Neurobiology, Faculty of Life Sciences, Tel Aviv University, Tel Aviv, Israel, ⁽⁵⁾ Department of Neurobiology, Care Sciences & Society (NVS), Division of Alzheimer's Disease Research Centre, Karolinska Institutet, Stockholm, Sweden, ⁽⁶⁾ Centre for Age-Related Medicine, Stavanger University Hospital, Stavanger, Norway
- P1-27 DELAYED-START ANALYSES OF SOLANEZUMAB PHASE 3 EXPEDITION STUDIES IN MILD ALZHEIMER'S DISEASE**
Hong Liu-Seifert PhD¹, Scott W Andersen MS¹, Karen C Holdridge MPH¹, Eric Siemers MD¹
⁽¹⁾ Lilly Research Laboratories, Lilly Corporate Center, Indianapolis, IN, USA
- P1-28 SAFETY RESULTS FROM A PHASE 2 OPEN LABEL EXTENSION STUDY OF THE A7 AGONIST-126 AS AN ADD-ON THERAPY IN MILD-TO MODERATE AD**
Hana Florian, MD¹, Andreas Meier, MD¹, Yunzhi Lin, PhD¹, Weining Robieson, PhD¹, Laura M. Gault, MD, PhD¹
⁽¹⁾ AbbVie Inc, North Chicago, IL, USA
- P1-29 SAFETY RESULTS FROM A PHASE 2 OPEN-LABEL EXTENSION STUDY OF THE A7 AGONIST ABT-126 AS A MONOTHERAPY IN MILD-TO-MODERATE AD**
Hana Florian, MD¹, Andreas Meier, MD¹, Qi Tang, PhD¹, Yunzhi Lin, PhD¹, Laura M. Gault, MD, PhD¹
⁽¹⁾ AbbVie Inc, North Chicago, IL, USA
- P1-30 AZD3293 A NOVEL BACE1 INHIBITOR: PHARMACOKINETICS AND EFFECTS ON PLASMA AND CSF A β PEPTIDES FOLLOWING MULTIPLE-DOSE ADMINISTRATION IN ALZHEIMER'S DISEASE PATIENTS**
Robert Alexander, MD¹, Samantha Budd Haeberlein, PhD¹, Laura Rosen, MD¹, Muir Russell², Alan Kugler, PhD¹, Guido Cebers MD, PhD¹, Naidong Ye, PhD¹, Tina Olsson, PhD¹, David Han, MD³, Larry Ereshefsky PharmD, BCPP³
⁽¹⁾ AstraZeneca, Cambridge, MA, USA, ⁽²⁾ AstraZeneca, Alderly Park, UK, ⁽³⁾ PAREXEL, Glendale, CA, USA
- P1-31 REDUCING PATHOLOGY IN ALZHEIMER'S DISEASE THROUGH ANGIOTENSIN TARGETING - THE RADAR TRIAL**
P.G. Kehoe, PhD¹, Y Ben-Shlomo, MD, PhD², H.L. Baber, BSc³, S.L. Clegg, BSc⁴, R Kauppinen, MD, PhD⁵, P.S. Blair, PhD², L Coulthard, MBBS, MRCP, PhD⁶, A Lane, PhD², A Montgomery, PhD², P Passmore MD⁷, J Simon, BSc², D.L. Thomas, PhD⁸, K Tomkinson, MSc², I Wilkinson, DM⁹
⁽¹⁾ Dementia Research Group, University of Bristol, Faculty of Medicine & Dentistry, Bristol, UK, ⁽²⁾ School of Social and Community Medicine, University of Bristol, UK, ⁽³⁾ School of Social and Community Medicine, University of Bristol, Bristol, UK, ⁽⁴⁾ Dementia Research Centre (DRC), University College London, UK, ⁽⁵⁾ School of Experimental Psychology, University of Bristol, Bristol, UK, ⁽⁶⁾ Dementia Neurology Research Group, University of Bristol, Faculty of Medicine & Dentistry, Bristol, UK, ⁽⁷⁾ Institute of Clinical Sciences, Royal Victoria Hospital, Belfast, ⁽⁸⁾ Leonard Wolfson Experimental Neurology Centre, UCL Institute of Neurology, London, UK, ⁽⁹⁾ Clinical Pharmacology Unit, School of Clinical Medicine, University of Cambridge, Cambridge, UK
- P1-32 THE LATENT DEMENTIA PHENOTYPE "Δ" CAN IMPROVE CASE-SELECTION AND OUTCOME ASSESSMENT IN DEMENTIA CLINICAL TRIALS**
Donald R. Royall, MD^{1,4}, Raymond F. Palmer, PhD³
⁽¹⁾ Department of Psychiatry, the University of Texas Health Science Center, San Antonio, TX, ⁽²⁾ Department of Medicine, the University of Texas Health Science Center, San Antonio, TX, ⁽³⁾ Department of Family and Community Medicine, the University of Texas Health Science Center, San Antonio, TX, ⁽⁴⁾ South Texas Veterans' Health System Audie L. Murphy Division GRECC, San Antonio, TX
- P1-33 DETECTING DECLINING FUNCTIONAL SKILLS IN PRECLINICAL ALZHEIMER'S DISEASE: THE FINANCIAL CAPACITY INSTRUMENT--SHORT FORM**
Daniel C. Marson, JD, PhD^{1,2}, Kristen L. Triebel, PsyD^{1,2}, Roy C. Martin, PhD^{1,2}, Kelly Edwards, MA³, Vernon S. Pankratz, PhD³, Adam Gerstenecker, MS¹, Dana Swenson-Dravis, MA^{4,5}, Ronald C. Petersen, MD, PhD^{4,5}
⁽¹⁾ Department of Neurology, University of Alabama at Birmingham, Birmingham, AL, ⁽²⁾ Alzheimer's Disease Center, University of Alabama at Birmingham, Birmingham, AL, ⁽³⁾ Division of Biomedical Statistics and Informatics, Mayo Clinic and Foundation, Rochester, MN, ⁽⁴⁾ Department of Neurology, Mayo Clinic and Foundation, Rochester, MN, ⁽⁵⁾ Mayo Clinic Alzheimer's Disease Research Center, Mayo Clinic and Foundation, Rochester, MN

POSTER PRESENTATIONS

POSTER SESSION 1: Thursday, November 20th

P1-34 HIPPOCAMPAL SUBFIELDS ATROPHY IN MILD COGNITIVE IMPAIRMENT PATIENTS WITH AD PATHOLOGY

Marizzoni M, PhD¹, Jovicich J, PhD², Galluzzi S, MD¹, Babiloni C, MD³, Bartres-Faz D, MD⁴, Bordet R, MD⁵, Bosch B, MSc⁴, de Anna F, MD⁶, Didic M, MD⁶, Forloni G, PhD⁷, Antelmi L PhD^{1,8}, Marzano N, PhD³, Molinuevo JL, MD⁴, Nobili F, MD⁹, Pariente J, MD¹⁰, Farotti L, MD¹⁰, Parnetti L, MD¹⁰, Payoux P, MD¹¹, Picco A, MD⁹, Quaranta D, MD⁹, Ranjeva JP, PhD⁶, Roccatagliata L, MD⁹, Marra C, MD¹², Rossini PM, MD¹², Schonknecht P, MD¹³, Salvadori N, PsyD¹⁴, Soricelli A, MD¹⁴, Tsolaki M, MD¹⁵, Vecchio F, PhD², Visser PJ, MD¹⁶, Wiltfang J¹⁷, Blin O, MD¹⁸, Frisoni GB, MD^{1,8};
on behalf of the PharmaCog Consortium.

P1-35 CLINICAL CORRELATES AND BASELINE PREDICTORS OF PROGRESSIVE BRAIN ATROPHY IN PROGRESSIVE SUPRANUCLEAR PALSY: RESULTS FROM THE AL-108-231 DAVUNETIDE TRIAL

Richard Tsai, MD, MBA¹, Iryna Lobach, Ph.D.¹, Jennifer Whitwell, Ph.D.², Matthew Senjem², Clifford R. Jack, Jr. MD², Adam L. Boxer MD, PhD¹ on behalf of the AL-108-231 investigators

⁽¹⁾ Memory and Aging Center, University of California at San Francisco, San Francisco, CA, USA, ⁽²⁾ Department of Radiology, Mayo Clinic, Rochester, MN, USA

P1-36 A NOVEL EIGENVECTOR-BASED METHOD TO DETECT MILD ALZHEIMER'S DISEASE USING EVENT-RELATED POTENTIALS

Bruce Brown, PhD¹, Suzanne Hendrix PhD², Dawson Hedges, MD³

⁽¹⁾ Psychology Department, Brigham Young University, Provo, UT, USA, ⁽²⁾ Pentara Corporation, Salt Lake City, UT, USA, ⁽³⁾ Psychology Department and the Neuroscience Center, Brigham Young University, Provo, UT, USA

P1-37 ADCS ELECTRONIC DATA CAPTURE (EDC) - INTEGRATED MULTI-MODAL IMAGE MANAGEMENT FOR CLINICAL TRIALS IN ALZHEIMER'S DISEASE

Gustavo A. Jimenez-Maggiore, MBA¹, Ronald G. Thomas, PhD¹, James Brewer, MD¹, Stefania Bruschi, MS¹, Phuoc Hong, BA¹, Paul S. Aisen, MD¹

⁽¹⁾ Neurosciences department, University of California at San Diego, La Jolla, CA, USA

P1-38 INHIBITORS OF GLUTAMINYL CYCLASE (QC) WHICH IS UP-REGULATED EARLY IN ALZHEIMER'S DISEASE (AD) BLOCK TOXIC PGLU-ABETA FORMATION AND ARE SAFE IN EARLY CLINICS

Hans-Ulrich Demuth, PhD¹ Stephan Schilling, PhD¹ Inge Lues, PhD¹ Konrad Glund, PhD

⁽¹⁾ Probiodrug AG, Halle (Saale), Germany

P1-39 EVALUATION OF RECRUITMENT STRATEGIES FOR ENROLLING AD CLINICAL TRIAL SUBJECTS INTO THE BRAIN HEALTH REGISTRY

Rachel L Nosheny PhD¹, Derek Flenniken¹, Philip S Insel¹, R Scott Mackin PhD^{1,2} Diana Truran¹, Michael W Weiner MD,^{1,3}

⁽¹⁾ Center for Imaging of Neurodegenerative Diseases, San Francisco Veteran's Administration Medical Center, San Francisco, CA, ⁽²⁾ UCSF Department of Psychiatry, San Francisco, CA, ⁽³⁾ UCSF Department of Radiology and Biomedical Imaging, San Francisco, CA

POSTER PRESENTATIONS

POSTER SESSION 2: Friday, November 21st

P2-1 CHRONIC HYPERTENSION EXACERBATES AMYLOID PEPTIDE INDUCED BRAIN PATHOLOGY AND OXIDATIVE STRESS. SUPERIOR NEUROPROTECTIVE EFFECTS OF TIO₂ NANOWIRED CEREBROLYSIN VS. POLY (D,L-LACTIDE-CO-GLYCOLIDE) NANOPARTICLES LOADED DELIVERY

Aruna SHARMA¹, José V LAFUENTE², Dafin F MURESANU³, Rudy J CASTELLANI⁴, Mark A SMITH⁵, Ranjana PATNAIK⁶, Z Ryan TIAN⁷, Asya OZKIZILCIK⁷, Giovanni TOSI⁸, Barbara ROUZ⁸, Herbert MÖSSLER⁹, Hari Shanker SHARMA⁴

⁽¹⁾ Dept. of Surgical Sciences, Anesthesiology & Intensive Care Medicine, Uppsala University Hospital, Uppsala University, Uppsala, Sweden, ⁽²⁾ Dept of Neurosciences, University of Basque Country, Bilbao, Spain, ⁽³⁾ Dept. Clinical Neurosciences, University of Medicine & Pharmacy, Cluj-Napoca, Romania, ⁽⁴⁾ University of Maryland, Dept. of Pathology, Baltimore, MD, USA, ⁽⁵⁾ Case Western Reserve Medical University, Dept. of Pathology, Cleveland, OH, USA, ⁽⁶⁾ School of Biomedical Engineering, Dept. of Biomaterials, Indian Institute of technology, Banaras Hindu University, Varanasi, India, ⁽⁷⁾ Dept. Chemistry & Biochemistry, University of Arkansas, Fayetteville, AR, USA ⁽⁸⁾ Pharmaceutical Technology and Nanomedicine, TeFarTI research Center, Department of Life Sciences, University of Modena and Reggio Emilia, Modena, Italy, ⁽⁹⁾ Ever NeuroPharma, Oberburgau, Austria

P2-2 TIO₂ NANOWIRED DELIVERY OF CEREBROLYSIN NEUTRALIZES AMYLOID-PEPTIDE INFUSION INDUCED ALZHEIMER PATHOLOGY. AN EXPERIMENTAL STUDY USING BEHAVIORAL AND MORPHOLOGICAL APPROACHES*

Hari S SHARMA¹, José V LAFUENTE², Dafin F MURESANU³, Rudy J CASTELLANI⁴, Mark A SMITH⁵, Ranjana PATNAIK⁶, Z Ryan TIAN⁷, Asya OZKIZILCIK⁷, Herbert MÖSSLER, Aruna SHARMA¹

⁽¹⁾ Dept. of Surgical Sciences, Anesthesiology & Intensive Care Medicine, Uppsala University Hospital, Uppsala, Sweden, ⁽²⁾ Dept of Neurosciences, University of Basque Country, Bilbao, Spain, ⁽³⁾ Dept. Clinical Neurosciences, University of Medicine & Pharmacy, Cluj-Napoca, Romania, ⁽⁴⁾ University of Maryland, Dept. of Pathology, Baltimore, MD, USA, ⁽⁵⁾ Case Western Reserve Medical University, Dept. of Pathology, Cleveland, OH, USA, ⁽⁶⁾ School of Biomedical Engineering, Dept. of Biomaterials, Indian Institute of technology, Banaras Hindu University, Varanasi, India, ⁽⁷⁾ Dept. Chemistry & Biochemistry, University of Arkansas, Fayetteville, AR, USA, ⁽⁸⁾ Ever NeuroPharma, Oberburgau, Austria

P2-3 NOT ALL COMEDICATIONS ARE THE SAME. CAREFUL CONSIDERATION OF THE IMPACT OF DIFFERENT COMEDICATIONS CAN SUBSTANTIALLY IMPROVE SUCCESS IN CNS CLINICAL TRIALS

Hugo Geerts, PhD, BachMed,PharmaMBA^{1,2}, Athan Spiros, PhD¹

⁽¹⁾ In Silico Biosciences, Inc, Berwyn, PA, ⁽²⁾ Perelman School of Medicine, Univ of Pennsylvania, Philadelphia, PA

P2-4 WEB-BASED SOFTWARE FOR REAL-TIME SIMULATION-ASSISTED TRIAL DESIGN IN ALZHEIMER'S DISEASE

Dan Polhamus, PhD¹, Jia Kang, PhD¹, James Rogers, PhD¹, Marc Gastonguay, PhD¹

⁽¹⁾ Metrum Research Group

P2-5 THE QUICK DEMENTIA RATING SYSTEM (QDRS): A RAPID DEMENTIA STAGING TOOL FOR CLINICAL TRIALS

James E Galvin, MD, MPH, Center for Cognitive Neurology

NYU Langone Medical Center, New York, NY, USA

P2-6 AMYLOID PET IMAGING AS A SCREENING TOOL FOR ENROLLMENT INTO A PHASE IB CLINICAL TRIAL (221AD103) IN PATIENTS WITH PRODROMAL AND MILD AD

Jeff Sevigny, MD¹, Joyce Suhy, PhD², Ping Chiao, PhD¹, Gregory Klein, PhD², Joonmi Oh, PhD², Derk Purcell, MD^{2,3,4}, Ajay Verma, MD, PhD¹, Mehul Sampat, PhD², Jerome Barakos, MD^{2,3}

⁽¹⁾ Biogen Idec, Cambridge, MA, USA, ⁽²⁾ BioClinica Inc, Newark, CA, USA, ⁽³⁾ California Pacific Medical Center, San Francisco, CA, USA, ⁽⁴⁾ University of California San Francisco, San Francisco, CA, USA

P2-7 RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED, PHASE 1B STUDY OF BIIB037, AN ANTI-AB MONOCLONAL ANTIBODY, IN PATIENTS WITH PRODROMAL OR MILD AD: BASELINE PATIENT CHARACTERISTICS

Jeff Sevigny, MD, Ping Chiao, PhD, Leslie Williams, DVM, MPH, Xiaopeng Miao, PhD, John O'Gorman, PhD

Biogen Idec, Cambridge, MA, USA

P2-8 EQUIVOCAL VISUAL AMYLOID PET

Julien Delrieu, MD¹, Pierre Payoux, MD, PhD^{2,3}, Sandrine Andrieu^{1,4,5}, Bruno Vellas^{1,4,5}

⁽¹⁾ G erontop ole, Department of Geriatrics, CHU Toulouse, Purpan University Hospital, Toulouse, France, ⁽²⁾ INSERM UMR 825, Toulouse, France, ⁽³⁾ Department of Nuclear Medicine, CHU Toulouse, Purpan University Hospital, Toulouse, France, ⁽⁴⁾ INSERM UMR 1027, Toulouse, France, ⁽⁵⁾ University of Toulouse III, Toulouse, France

POSTER PRESENTATIONS

POSTER SESSION 2: Friday, November 21st

- P2-9 REPEATED SAMPLING OF CSF BIOMARKERS TO STUDY AD: DIURNAL RHYTHMS AND THE EFFECT OF SLEEP**
Jurgen AHR Claassen, MD, PhD
Radboud university medical center, Nijmegen, The Netherlands
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- P2-10 FRENCH NATIONAL ALZHEIMER DATABASE AS A TOOL TO IMPROVE RECRUITMENT AND RETENTION OF CLINICAL TRIALS**
Karim Tifratene, MD^{1,2}, Chistian Pradier, MD¹, Cecile Balandier³, Bruno Vellas, MD, PhD⁴, Philippe Robert, MD, PhD²
⁽¹⁾ Department of public health, University hospital of Nice, France, ⁽²⁾ Memory center-EA Cobtek, University hospital of Nice, University of Nice Sophia Antipolis, France, ⁽³⁾ Direction générale de l'offre de soin, French Ministry of Health, France, ⁽⁴⁾ INSERM U1027, Toulouse, France
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- P2-11 BENEFITS OF ERP USED AS BIOMARKER IN EARLY STAGE CLINICAL DEVELOPMENT OF AD THERAPEUTICS: PXT00864 CASE REPORT**
Karim Bennys, MD¹, Raphael Haddad, PhD², Peter Schmitt², Mickael Guedj, PhD², Catherine Scart Grès, MD², Jacques Touchon, MD¹
⁽¹⁾ Memory Research Resource Center for Alzheimer's disease, University Hospital Montpellier, France, ⁽²⁾ Pharnext SAS, Issy les Moulineaux, France
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- P2-12 ERP MARKER OF COGNITIVE DECLINE IN ELDERLY SUBJECTS OF THE MAPT PLUS STUDY: ERP ANCILLARY STUDY**
Karim Bennys MD¹², Isabelle Carrie PhD⁴, Sophie Gillette-Guyonnet PhD^{4,5,6}, Jacques Touchon MD-PhD^{1,3}, Sandrine Andrieu MD-PhD^{4,5,6,7}, Bruno Vellas MD-PhD^{4,5,6} and the MAPT study group
⁽¹⁾ Department of Neurology, Memory Research Resource Center for Alzheimer's Disease, University Hospital of Montpellier, Montpellier, France, ⁽²⁾ Clinical Neurophysiology Unit, Department of Neurology, University Hospital of Montpellier, France, ⁽³⁾ U 888 INSERM, University Hospital of Montpellier, France, ⁽⁴⁾ Gérotopôle, Department of Geriatrics, CHU Toulouse, Purpan University Hospital, Toulouse, France, ⁽⁵⁾ INSERM UMR 1027, Toulouse, France, ⁽⁶⁾ University of Toulouse III, Toulouse, France, ⁽⁷⁾ Department of Epidemiology and Public Health, CHU Toulouse, Toulouse, France
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- P2-13 CLINICAL AND ECONOMIC CHARACTERISTICS OF MILESTONES ALONG THE CONTINUUM OF ALZHEIMER'S DISEASE: TRANSFORMING FUNCTIONAL SCORES INTO LEVELS OF DEPENDENCE**
Kristin Kahle-Wroblewski, PhD¹, Scott Andrews, PharmD¹, Mark Belger¹, Douglas Faries, PhD¹, Serge Gauthier, MD, FRCPC², Yaakov Stern, PhD³, Dorene M. Rentz, PsyD⁴, Douglas Galasko, MD⁵
⁽¹⁾ Eli Lilly and Company, Indianapolis, IN, USA, ⁽²⁾ McGill University, Montreal, Quebec, Canada, ⁽³⁾ Columbia University, New York, NY, USA, ⁽⁴⁾ Harvard Medical School, Boston, MA, USA, ⁽⁵⁾ University of California San Diego, San Diego, CA, USA
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- P2-14 LONGITUDINAL VOLUMETRIC CHANGES IN CONTROLS, MCI AND AD SUBJECTS FROM THE ROSAS STUDY, AS COMPARED TO ADNIZ**
Luc Bracoud, MSc¹, Hans-Martin Schneble, MD², Raluca Gramada, MD³, Fabrice Bonneville, MD, PhD³, Florent Roche, MSc¹, Sylvain Gouttard, MSc¹, Isabelle Guignot, MSc², Joël Schaefer, PhD¹, Françoise Lala, MD³, Audrey Istace, MSc¹, Nathalie Sastre, MD³, Pierre-Jean Ousset, MD³, Maria Pueyo, MD², Chahin Pachai, PhD¹, Bruno Vellas, MD³ and the Alzheimer's Disease Neuroimaging Initiative
⁽¹⁾ BioClinica, Lyon, France, ⁽²⁾ Institut de Recherches Internationales Servier, Suresnes, France, ⁽³⁾ C.H.U. Toulouse, France
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- P2-15 THE GLOBAL ALZHEIMER PLATFORM: A CRITICAL BUILDING BLOCK FOR ACCELERATING CLINICAL R&D IN AD**
George Vradenburg JD¹, Ellis Rubinstein², Simon Lovestone MRCPsych PhD³, Carmel Egan PhD⁴, Cynthia Duggan PhD⁵, Debra R. Lappin⁶, Maike Stenull⁷ and Luc Truyen MD PhD⁸ on behalf of GAP
⁽¹⁾ Convener, The Global CEO Initiative on Alzheimer's Disease, Chairman and Co-Founder, USAgainstAlzheimer's, ⁽²⁾ President and CEO, The New York Academy of Sciences, ⁽³⁾ MRCPsych PhD, Professor Old Age Psychiatry at the Institute of Psychiatry, King's College London, Director NIHR Biomedical Research Centre for Mental Health, ⁽⁴⁾ PhD, VP, Project Management, Eli Lilly, ⁽⁵⁾ PhD, Associate Director, Alzheimer's Disease and Dementia Initiative, The New York Academy of Sciences, ⁽⁶⁾ JD, Principal, FaegreBD Consulting, ⁽⁷⁾ Senior Director Strategic Projects and Transformational Leadership, Johnson & Johnson, ⁽⁸⁾ MD PhD, VP, Neuroscience External Affairs and Chair Global Fight Against AD, Johnson & Johnson
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- P2-16 CHANGES IN ELECTROPHYSIOLOGICAL MARKERS IN EARLY-STAGE ALZHEIMER'S DISEASE**
Marco Cecchi, PhD¹, Dennis Moore, PhD¹, Carl Sadowsky, MD², Paul Solomon, PhD³, P. Murali Doraiswamy, MBBS⁴, Charles Smith, MD⁵, Gregory Jicha, MD, PhD⁵, Andrew E. Budson, MD⁶ and Steven Arnold, MD⁷
⁽¹⁾ Neuronetrix, KY, USA, ⁽²⁾ Premiere Research Institute, FL, USA, ⁽³⁾ The Memory Clinic, VT, USA, ⁽⁴⁾ Psychiatry Department, Duke University, NC, USA, ⁽⁵⁾ Neurology Department, University of Kentucky, KY, USA, ⁽⁶⁾ Boston Center for Memory, MA, USA, ⁽⁷⁾ Psychiatry Department, University of Pennsylvania, PA, USA

POSTER PRESENTATIONS

POSTER SESSION 2: Friday, November 21st

- P2-17** **A WEIGHTED ATROPHY INDEX FOR MEDIAL TEMPORAL LOBE ASSESSMENT IN ALZHEIMER'S DISEASE**
Mark Austin, DPhil¹, Katherine R. Gray, PhD¹, Lea Marais¹, Robin Wolz, PhD¹, Kate McLeish, PhD¹, Derek Hill, PhD¹
⁽¹⁾ *IXICO plc, London, United Kingdom*
- P2-18** **COGNITIVE ENDPOINTS IN ALZHEIMER'S DISEASE: PINPOINTING RATER ERRORS IN THE ADMINISTRATION OF THE ADAS-COG, MMSE AND A COGNITIVE TEST BATTERY**
Mark Marsico, MPH¹, Lyn Harper Mozley, PhD², April Grant, MS, MPA¹, Theresa Bromley, PhD³, Lei Yan⁴, MD, MSc, PhD, Julie Chandler¹, PhD, Huali Wang MD, PhD⁵
⁽¹⁾ *Merck, Department of Epidemiology, North Wales, Pennsylvania*, ⁽²⁾ *Merck, Department of Clinical Neuroscience and Ophthalmology, North Wales, Pennsylvania*, ⁽³⁾ *ePharmaSolutions, Global Rater Training Services, Plymouth Meeting, Pennsylvania*, ⁽⁴⁾ *MSD, Beijing, China*, ⁽⁵⁾ *Dementia Care & Research Center, Peking University Institute of Mental Health, Key Laboratory for Mental Health, Beijing, China*
- P2-19** **DISTINCT COGNITIVE TARGETS FOR DRUGS IN EOAD AND LOAD?**
Sven Joubert^{1,2}, Natalina Gour^{3,4}, Lejla Koric³, Claude Guériot³, Mira Didic^{3,4}, Olivier Felician^{3,4}, Jean-Philippe Ranjeva^{4,5}, Eric Guedj^{6,7}, Mathieu Ceccaldi^{3,4}
⁽¹⁾ *Département de psychologie, Université de Montréal, Montréal, Quebec, Canada*, ⁽²⁾ *Centre de recherche Institut universitaire de gériatrie de Montréal (CRIUGM)*, ⁽³⁾ *APHM, Hôpitaux de la Timone, Service de Neurologie et de Neuropsychologie, Marseille, France*, ⁽⁴⁾ *Université Aix-Marseille, INSERM, Institut des Neurosciences des Systèmes (INS) UMR 1106, Marseille France*, ⁽⁵⁾ *APHM, Hôpitaux de la Timone, CEMEREM, Marseille, France*, ⁽⁶⁾ *APHM, Hôpitaux de la Timone, SCBMN, Marseille, France*, ⁽⁷⁾ *Université Aix-Marseille, CNRS, CERIMED & Institut des Neurosciences de la Timone (INT) UMR 7289, Marseille France*
- P2-20** **THE CLINICAL PHARMACOLOGY PROFILE OF ELND005 (SCYLLO-INOSITOL) IN ADULTS: RESULT OF CARDIAC THOROUGH QT STUDY SUPPORTING ITS DEVELOPMENT IN ELDERLY AD POPULATION**
Earvin Liang, PhD¹, Matthias Kurth, MD, PhD¹, J Patrick Kessler, PhD¹, Aleksandra Pastrak MD PhD², Susan Abushakra, MD¹
⁽¹⁾ *Transition Therapeutics USA, San Mateo, CA, USA*, ⁽²⁾ *Transition Therapeutics, Toronto, ON, Canada*
- P2-21** **USING CSF AB42 FOR PATIENT IDENTIFICATION FOR A PHASE 3 STUDY OF GANTENERUMAB IN PATIENTS WITH PRODROMAL AD**
Mercè Boada¹, Philip Scheltens², Ernest Dorflinger³, Susanne Ostrowitzki⁴, Elizabeth Ashford⁵, Dietmar Volz⁴, Chris Edgar⁵, Robert Lasser⁴, George Garibaldi⁴, Luca Santarelli⁴, Tania Nikolcheva⁴ On behalf of the SCarlet RoAD investigators¹
⁽¹⁾ *Memory Clinic of Fundació ACE, Institut Català de Neurociències Aplicades, Barcelona, Spain*, ⁽²⁾ *Department of Neurology and Alzheimer Center, VU University Medical Center, MB Amsterdam, The Netherlands*, ⁽³⁾ *Roche Translational & Clinical Research Center (TCRC), New York, USA*, ⁽⁴⁾ *F. Hoffmann-La Roche AG, Basel, Switzerland*, ⁽⁵⁾ *Roche Products Limited, Welwyn Garden City, UK*
- P2-22** **A BLOOD-BASED 11-METABOLITE SIGNATURE FOR THE EARLY DIAGNOSIS OF ALZHEIMER'S DISEASE**
Miguel Calero, PhD¹, Luis Gil de Gómez, PhD², Andrés Rodríguez-Martín²
⁽¹⁾ *Chronic Disease Programme, CIBERNED, and CIEN Foundation-Queen Sofia Foundation, Instituto de Salud Carlos III, Madrid, Spain*, ⁽²⁾ *Biocross, S.L., Valladolid, Spain*
- P2-23** **EVIDENCE FOR AN ADDITIVE EFFECT OF MEMANTINE AND DONEPEZIL: CONSISTENT CONCLUSIONS FROM DOMINO-AD STUDY AND MEMANTINE CLINICAL TRIAL PROGRAM**
Suzanne Hendrix, PhD¹, Noel Ellison, MS¹, Stephanie Stanworth, MS¹, Victor Otcheretko, MD², Pierre N. Tariot, MD³
⁽¹⁾ *Pentara Corporation, Salt Lake City, UT, USA*, ⁽²⁾ *Forest Research Institute, Jersey City, NJ, USA*, ⁽³⁾ *Banner Alzheimer's Institute, Phoenix, AZ, USA*
- P2-24** **ASSESSMENT OF AGE-RELATED DIFFERENCES IN FUNCTIONAL CAPACITY USING THE VIRTUAL REALITY FUNCTIONAL CAPACITY ASSESSMENT TOOL (VRFCAT)**
Alexandra S. Atkins, PhD¹, Ioan Stroescu, PhD¹, Nathan Spagnola, MS¹, Stacy A. Ruse, BS¹, Vicki G. Davis, DrPH¹, Richard S. E. Keefe, PhD^{1,2}
⁽¹⁾ *NeuroCog Trials, Durham, NC, USA*, ⁽²⁾ *Duke University Medical Center, Durham, NC, USA*
- P2-25** **MOBILE CARE REDUCES HOSPITALIZATIONS FOR BEHAVIORAL AND PSYCHOLOGICAL SYMPTOMS IN DEMENTIA**
Pierre Krolak-Salmon, MD, PhD^{1,2,3}, Caroline Roubaud, MD³, Gaëlle Richard³, Géraldine Martin-Gaujard, MD³, Virginie Dauphinot, PhD¹
⁽¹⁾ *Clinical and Research Memory Center of Lyon, Hospices civils de Lyon, University Lyon1, Lyon, France*, ⁽²⁾ *INSERM, U1028; CNRS, UMR5292; Lyon Neuroscience Research Center, Brain Dynamics and Cognition Team, Lyon, France*, ⁽³⁾ *Mobile team for Alzheimer's disease, Hospices civils de Lyon, Lyon, France*

POSTER PRESENTATIONS

POSTER SESSION 2: Friday, November 21st

P2-26 LOWER QUALITY OF LIFE SCORES AT BASELINE ARE ASSOCIATED WITH AN INCREASED RISK OF FUTURE COGNITIVE IMPAIRMENT: RESULTS FROM PREADVISE

Richard J. Kryscio, PhD^{1,3}, Erin Abner, Ph.D, Allison Caban-Holt, PhD, Frederick Schmitt, PhD^{3,4,5}

⁽¹⁾ Departments of Statistics and Biostatistics, University of Kentucky, Lexington, KY, USA, ⁽²⁾ Department of Epidemiology, University of Kentucky, Lexington, KY, USA, ⁽³⁾ Sanders-Brown Center on Aging, University of Kentucky, Lexington, KY, USA, ⁽⁴⁾ Department of Behavioral Sciences, University of Kentucky, Lexington, KY, USA, ⁽⁵⁾ Department of Neurology, University of Kentucky, Lexington, KY, USA

P2-27 ALZHEIMER'S PREVENTION EDUCATION: IF WE BUILD IT, WILL THEY COME? WWW.ALZU.ORG

Richard S. Isaacson, MD,¹ Nicole Haynes, BA,¹ Alon Seifan, MD, MS,² Douglas Larsen, MD, MEd,³ Sherry Christiansen,¹ Justin C. Berger, BA,¹ Joseph Safdieh, MD,¹ Angela M. Lunde, MA,⁴ Angie Luo, BS,¹ Melissa Kramps, DNP,¹ Mark McInnis, BA,⁵ and Christopher N. Ochner, PhD¹

⁽¹⁾ Weill Cornell Medical College, New York, NY, ⁽²⁾ Columbia University College of Physicians and Surgeons, New York, NY, ⁽³⁾ Washington University School of Medicine, St. Louis, MO, ⁽⁴⁾ Mayo Clinic, Rochester, MN, ⁽⁵⁾ Wishbone Productions, Boston, MA, ⁽⁶⁾ Icahn School of Medicine at Mount Sinai, New York, NY

P2-28 TREATMENT EFFECTS OF GINKGO BILOBA EXTRACT EGB 761® IN PATIENTS SUFFERING FROM DEMENTIA WITH NEUROPSYCHIATRIC SYMPTOMS

Serge Gauthier, MD, FRCPC¹, Heiko Mueller, PhD², Robert Hoerr, MD², Anatol Nacu, MD³

⁽¹⁾ McGill Centre for Studies in Aging, McGill University, Verdun, QC, Canada, ⁽²⁾ Clinical Research Department, Dr. Willmar Schwabe GmbH & Co. KG, Karlsruhe, Germany, ⁽³⁾ State Medical and Pharmaceutical University «N. Testemitanu», Chişinău, Moldova

P2-29 SENSITIVITY TO CHANGE AND DISCRIMINATIVE POWER OF COMPOSITE AND FREQUENCY SCORES OF THE NEUROPSYCHIATRIC INVENTORY (NPI) IN AMNESTIC MILD COGNITIVE IMPAIRMENT, MILD DEMENTIA AND MODERATE DEMENTIA

Jeffrey L. Cummings, MD¹, Svetlana I. Gavrilova, MD², Michael Tribanek, MSc³, Robert Hoerr, MD⁴

⁽¹⁾ Cleveland Clinic Lou Ruvo Center for Brain Health, Las Vegas, NV, USA, ⁽²⁾ Mental Health Research Center of the Russian Academy of Medical Sciences, Moscow, Russian Federation, ⁽³⁾ Statistician, Hamburg, Germany, ⁽⁴⁾ Dr. Willmar Schwabe GmbH & Co. KG, Karlsruhe, Germany

P2-30 CIRCULATING BRAIN-ENRICHED MICRORNAS AS BIOMARKERS FOR SELECTION, STRATIFICATION AND MONITORING OF PATIENTS IN CLINICAL TRIALS

Kira Sheiner¹, Vladimir Tsivinsky¹, Laila Abdullah², Andrew Keegan², Fiona Crawford², Samuil Umansky¹

⁽¹⁾ DiamiR, LLC, Monmouth Junction, NJ, USA, ⁽²⁾ Roskamp Institute, Sarasota, FL, USA

P2-31 THE BRAINHEALTHREGISTRY.ORG: AN ONLINE REGISTRY FOR NEUROSCIENCE CLINICAL TRIALS

R. Scott Mackin, PhD^{1,2}, Philip Insel, MS², Diana Truran, BA,² Brian Molenhoff, MD², Rachel Nosheny, PhD,² Derek Flennikan, BA,² Joel Kramer, PsyD,³ Dan Mungas, PhD,⁴ Paul Maruff, PhD,⁵; Tanya Chenhall⁵, Adrian Schembri, Dpsych,⁵ Brian Harel, PhD,⁵ & Michael W Weiner, MD⁶

⁽¹⁾ Department of Psychiatry, University of California San Francisco, ⁽²⁾ Center for Imaging of Neurodegenerative Disease, San Francisco Veterans Affairs Medical Center, ⁽³⁾ Department of Neurology, University of California San Francisco, ⁽⁴⁾ Department of Neurology, University of California, Davis, ⁽⁵⁾ Cogstate Inc, Melbourne Au, ⁽⁶⁾ Departments of Radiology and Biomedical Engineering, Psychiatry, Neurology University of California San Francisco and Center for Imaging of Neurodegenerative Disease VA Medical Center San Francisco CA

P2-32 A PHARMACOGENETICS SUPPORTED CLINICAL TRIAL TO DELAY ONSET OF MILD COGNITIVE IMPAIRMENT DUE TO ALZHEIMER'S DISEASE USING LOW DOSE PGIOLITAZONE: THE TOMMORROW STUDY

Kumar Budur, MD, MS¹, Kathleen A. Welsh-Bohmer, PhD², Daniel K. Burns, PhD³, Carl Chiang, PhD³, Janet O'Neil, MBA¹, Grant Runyan, PhD¹, Meredith Culp, BS¹, Donna G. Crenshaw, PhD^{3,4}, Michael W. Lutz, PhD², Craig A. Metz, PhD³, Ann M. Saunders, PhD², Deborah Yarbrough, MS, MBA¹, David Yarnall, MS³, Eric Lai, PhD¹, Stephen K. Brannan, MD¹, Allen D. Roses, MD^{2,3}

⁽¹⁾ Takeda Development Center Americas, Inc., Deerfield, IL, USA, ⁽²⁾ Duke Bryan ADRC, Durham, NC, USA, ⁽³⁾ Zinfandel Pharmaceuticals, Inc., Research Triangle Park, NC, USA, ⁽⁴⁾ Department of Medicine, Duke University, Durham, NC, USA

P2-33 COGNITIVE AND VISUAL IMPROVEMENT FOLLOWING CATARACT SURGERY IN SUBJECTS WITH DEMENTIA

Alan J. Lerner, MD^{1,4}, Department of Neurology, Case Western Reserve University, Cleveland, OH, USA; Sara M. Debanne, PhD², Julie K. Belkin, MD^{3,4}, Jonathan H. Lass, MD^{3,4}, Paula K. Ogrocki, PhD^{1,4}, Tatiana M. Riedel⁶, Susie A. Sami⁴, Thomas L. Steinemann, MD^{3,5}, Grover C. Gilmore, PhD⁶

Department of Neurology⁽¹⁾, Epidemiology and Biostatistics⁽²⁾, Ophthalmology and Visual Sciences⁽²⁾, Case Western Reserve University; University Hospitals Case Medical Center⁽⁴⁾, MetroHealth Medical Center⁽⁵⁾, School of Applied Social Sciences⁽⁶⁾, Case Western Reserve University, Cleveland, OH, USA

POSTER PRESENTATIONS

POSTER SESSION 2: Friday, November 21st

- P2-34 SLEEP DISORDERED BREATHING ADVANCES COGNITIVE DECLINE IN THE ELDERLY**
Ricardo S. Osorio, M.D.¹, Tyler Gumb, B.A.¹, Margaret E. Wohlleber, B.A.², Elizabeth Pirraglia, M.A.¹, Andrew W. Varga, Ph.D., M.D.², Shou-en Lu, Ph.D.³, Jason Lim, B.A.², Viachaslau Koushyk, M.D.², Lidia Glodzik, M.D.¹, Lisa Mosconi, Ph.D.¹, Indu Ayappa, Ph.D.², David M. Rapoport, M.D.², Mony J. de Leon, Ed.D.¹, for the Alzheimer's Disease Neuroimaging Initiative⁴
⁽¹⁾ Center for Brain Health, NYU School of Medicine, New York, NY, 10016, USA, ⁽²⁾ Division of Pulmonary, Critical Care, and Sleep Medicine, NYU School of Medicine, New York, NY, 10016, USA, ⁽³⁾ Department of Biostatistics, Rutgers School of Public Health, Piscataway, NJ, 08854, USA, ⁽⁴⁾ Data used in preparation of this article were obtained from the Alzheimer's Disease Neuroimaging Initiative (ADNI) database (adni.loni.usc.edu). As such, the investigators within the ADNI contributed to the design and implementation of ADNI and/or provided data but did not participate in analysis or writing of this report
- P2-35 SAFETY AND TOLERABILITY OF ITI-007 IN PATIENTS WITH DEMENTIA: A NOVEL TREATMENT DESIGNED TO TREAT BEHAVIORAL DISTURBANCES ASSOCIATED WITH DEMENTIA AND RELATED DISORDERS**
Robert E. Davis, PhD¹, Jelena Saillard², Kimberly E. Vanover, PhD², and Sharon Mates, PhD²
⁽¹⁾ 3-D Pharmaceutical Consultants, Inc., San Diego, CA, USA, ⁽²⁾ Intra-Cellular Therapies, Inc., New York, NY, USA
- P2-36 COMPOSITE MEASURES in AD CLINICAL TRIALS – HOW an IN-STUDY DATA QUALITY PROGRAM CAN ENSURE THE QUALITY of the SUM of THEIR PARTS**
David S. Miller¹, Veronika Logovinsky¹, Chad Swanson², Priscilla Samuelson¹, Amy Genuardi¹ and Antonio Hernandez¹
⁽¹⁾ Bracket, Wayne, PA, USA, ⁽²⁾ Eisai, Woodcliff Lake, NJ, USA
- P2-37 RATES OF LONGITUDINAL CHANGE IN BRAIN VOLUME IN A CLINICAL TRIAL OF THE ANTI-AMYLOID VACCINE, ACC-001**
Gerald Novak, MD¹, H. Robert Brashear, MD², Luc Bracoud, MSc³, Enchi Liu PhD⁴, Steve Einstein, MS¹, Florent Roche, MSc³, Joel Schaerer, PhD³, Chahin Pachai, PhD³, Nzeera Ketter, MD²
⁽¹⁾ Janssen R&D, Titusville NJ, ⁽²⁾ Janssen R&D, South San Francisco, CA, ⁽³⁾ Bioclinica, Lyon, FR, ⁽⁴⁾ Janssen R&D, LaJolla, CA
- P2-38 ASSESSING THE IMPACT OF THE APOE-E2 GENE ON BRAIN ATROPHY IN ALZHEIMER'S DISEASE**
Steve Einstein¹, Jianing Di¹, Emily Manning², Josephine Barnes², Shona Clegg², Casper Nielsen², H. Robert Brashear¹, Enchi Liu¹, Nick Fox², Gerald Novak¹
⁽¹⁾ Janssen R & D; Titusville, NJ, La Jolla, CA and South San Francisco, CA, ⁽²⁾ Dementia Research Centre, London, UK
- P2-39 ASSOCIATION OF VASCULAR RISK FACTORS AND RCBF TO COGNITIVE PERFORMANCE IN INDIVIDUALS FROM RACIAL MINORITY COMMUNITIES**
Danielle Washington, BS^{1,2}; Sterling Johnson, PhD^{1,2,3}; Carey Gleason, PhD^{1,2,3}; Dorothy Edwards, PhD^{2,4}; Benjamin P. Austin, PhD^{1,2}; Sanjay Asthana, MD^{1,2,3}; Cynthia Carlsson, MD^{1,2,3}
⁽¹⁾ University of Wisconsin School of Medicine and Public Health, Department of Medicine, Madison, WI, USA, ⁽²⁾ Wisconsin Alzheimer's Disease Research Center, Madison, WI, USA, ⁽³⁾ Madison VA Geriatrics Research, Education and Clinical Center, Madison, WI, USA, ⁽⁴⁾ University of Wisconsin Departments of Kinesiology-Occupational Therapy Program, Neurology and Medicine, Madison, WI, USA

POSTER PRESENTATIONS

POSTER SESSION 3: Saturday, November 22nd

- P3-1** **RELATION BETWEEN CHOLINESTERASE INHIBITORS USE AND PISA SYNDROME**
Dominique HUVENT-GRELLE, MD¹, Eric BOULANGER, MD, Ph D^{1,2}, François PUISIEUX, MD, PhD¹
⁽¹⁾ *Hôpital Gériatrique Les Bateliers Centre Hospitalier Régional et Universitaire de LILLE, France*, ⁽²⁾ *Department of Vascular Aging Biology, Blood-Vessel Interface and Vascular Repair Unit, Lille, France*
-
- P3-2** **A SINGLE NUCLEOTIDE POLYMORPHISM IN UBR5 (UBIQUITIN PROTEIN LIGASE E3 COMPONENT N-RECOGNIN 5) ASSOCIATED WITH DISEASE PROGRESSION MAY CONTRIBUTE TO DONEPEZIL NON-RESPONSE IN SUBJECTS WITH MILD COGNITIVE IMPAIRMENT**
Sophie Sokolow, PhD^{1,2}, X. Li^{3,4}, K. D. Taylor^{3,4}, J.I. Rotter^{3,4}, P. Aisen⁵, Liana G. Apostolova, MD^{6,7}
⁽¹⁾ *School of Nursing, University of California at Los Angeles, Los Angeles, CA, USA*, ⁽²⁾ *Brain Research Institute, University of California at Los Angeles, Los Angeles, CA, USA*, ⁽³⁾ *Institute for Translational Genomics and Population Sciences, Los Angeles Biomedical Research Institute at Harbor-UCLA Medical Center, Torrance, CA, USA*, ⁽⁴⁾ *Division of Genomic Outcomes and Department of Pediatrics, Harbor-UCLA Medical Center, Torrance, CA, USA*, ⁽⁵⁾ *Department of Neuroscience, School of Medicine at UCSD, University of California San Diego, San Diego, CA, USA*, ⁽⁶⁾ *Department of Neurology, David Geffen School of Medicine at UCLA, University of California Los Angeles, Los Angeles, CA, USA*, ⁽⁷⁾ *Imaging Genetics Center, Laboratory of Neuro Imaging, David Geffen School of Medicine, UCLA, Los Angeles, CA, USA*
-
- P3-3** **A SURVEY OF CLINICAL TRIAL RATERS' PREFERENCES FOR ADAS-COG WORKSHEETS**
Stephen M. Meyer, MA¹, Kristina A. Bertzos, PhD¹, Magda Perez, PhD¹, Donald Connor, PhD, PhD², Kimberly Schafer³, Sarah Walter³
⁽¹⁾ *inVentiv Health Clinical, Cary, NC, USA*, ⁽²⁾ *Consultants in Cognitive and Clinical Trials, San Diego, CA, USA*, ⁽³⁾ *Alzheimer's Disease Cooperative Study – University of California at San Diego, San Diego, CA, USA*
-
- P3-4** **EFFECTIVENESS OF EARLY INITIATION OF COGNITIVE ENHANCER THERAPY IN ALZHEIMER'S DISEASE: A NATURALISTIC STUDY**
Nagaendran Kandiah, MD, MRCP^{1,2}, NurHani Zainal, BSc¹, Pryseley Nkouibert Assam, PhD³
⁽¹⁾ *Dept of Neurology, National Neuroscience Institute, Singapore*, ⁽²⁾ *Duke-NUS Graduate Medical School Singapore*, ⁽³⁾ *Centre for Qualitative Medicine, Duke-NUS Graduate Medical School, Singapore*
-
- P3-5** **COGNITIVE RECOVERY OF ALZHEIMER'S PATIENTS INDUCED BY HBF**
Tohru Hasegawa, Ph.D¹, Toshibumi Uchida, MD², Takeshi Tabira, MD, PhD³
⁽¹⁾ *Dept of Neurology, National Neuroscience Institute, Singapore*, ⁽²⁾ *Duke-NUS Graduate Medical School Singapore*, ⁽³⁾ *Centre for Qualitative Medicine, Duke-NUS Graduate Medical School, Singapore*
-
- P3-6** **PERIPHERAL DELIVERY OF HUMAN ADULT ALLOGENEIC STEM CELLS REDUCES ABETA AMYLOID PATHOLOGY IN A MOUSE MODEL OF AD**
Tristan Bolmont, PhD^{1,2}, Alexei Lukashev, PhD¹, Theo Lasser, PD²
⁽¹⁾ *Stemmedica International SA, Epalinges, Switzerland*, ⁽²⁾ *Laboratoire d'optique Biomédicale, Institute of Microengineering, School of Engineering, Ecole Polytechnique fédérale de Lausanne (EPFL), Lausanne, Switzerland*
-
- P3-7** **GALANTAMINE VS RISPERIDONE FOR AGITATION IN PEOPLE WITH DEMENTIA: A RANDOMIZED 12-WEEK SINGLE-CENTER STUDY**
Yvonne Freund-Levi^{1,2*}, Victor Bloniecki¹, Bjørn Auestad^{3,4}, Ann Christine Tysen Bäckström², Marie Lärksäter², Dag Aarsland^{1,2}
⁽¹⁾ *Department of Neurobiology, Caring Sciences and Society (NVS), Division of Clinical Geriatrics, Karolinska Institute, Stockholm, Sweden*, ⁽²⁾ *Department of Geriatric Medicine, Karolinska University Hospital Huddinge, Stockholm Sweden*, ⁽³⁾ *Research Department, Stavanger University Hospital*, ⁽⁴⁾ *Department of Mathematics and Natural Sciences, University of Stavanger, Stavanger, Sweden*
-
- P3-8** **QUANTIFYING THE LOSS OF JUDGMENT AND SEMANTIC MEMORY USING A TRIADIC COMPARISON TASK**
Michael Lee, PhD¹, Melinea Abramyan¹, William R. Shankle, MS MD^{1,2}
⁽¹⁾ *Dept. of Cognitive Sciences, University of California at Irvine, Irvine, CA, USA*, ⁽²⁾ *Medical Care Corporation, Irvine, CA, USA*
-
- P3-9** **AN OPEN LABEL STUDY TO INVESTIGATE THE EFFECTS OF A TRADITIONAL JAPANESE MEDICINE, YOKUKANSAN, ON THE SLEEP DISTURBANCES IN PATIENTS WITH ALZHEIMER'S DISEASE AND OTHER DEMENTIA**
Yoshihito Hayashi, MD, PhD¹, Yasushi Ishida, MD, PhD¹, Kazunori Okahara, MD², Yoshio Mitsuyama, MD, PhD³
⁽¹⁾ *Division of Psychiatry, Department of Clinical Neuroscience, Faculty of Medicine, University of Miyazaki, Miyazaki, Japan*, ⁽²⁾ *Keime Memorial Hospital, Miyazaki, Japan*, ⁽³⁾ *Psychogeriatric Center, Daigo Hospital, Miyazaki, Japan*
-
- P3-10** **THE SORL1 POLYMORPHISM IS ASSOCIATED WITH THE RISK FOR AMNESTIC MILD COGNITIVE IMPAIRMENT IN THE HAN CHINESE POPULATION**
Chunhui Jin PhD, Zaohuo Cheng PhD, Xiaowei Liu PhD, Feng Zhang PhD, Jianzhong Zhu PhD
Wuxi Mental Health Center, Nanjing Medical University, Jiangsu, China

POSTER PRESENTATIONS

POSTER SESSION 3: Saturday, November 22nd

- P3-11** **PROFILES OF ICF DISABILITY IN ALZHEIMER AND VASCULAR DEMENTIA**
A. Malara, G. Sgrò, F. Ceravolo, G. Curinga, G.F. Renda, F. Spadea, V. Rispoli
Scientific Committee Association National Structures Third Age (ANASTE) Calabria, Lamezia Terme (CZ), Italy
-
- P3-12** **EVALUATION OF A BALANCE-BASED EXERCISE PROGRAM IN IMPROVING OF COGNITION ON MCI**
Geon Ha Kim, MD ⁽¹⁾, Jeong Eun Kim, MD, PhD¹, Hee Jin Kang², Kyoung Gyu Choi²
⁽¹⁾ *Noble County Medical Center, Seoul, South Korea*, ⁽²⁾ *Department of Neurology, Ewha Womans University, Seoul, South Korea*
-
- P3-13** **THE EFFECTS OF COGNITIVE TRAINING ON THE EPISODIC MEMORY: A PRELIMINARY FMRI STUDY IN MCI PATIENTS**
Hee Jin KANG¹, Kwang Ki KIM², Soo Mee LIM³, Ji Young YUN¹, Seong Hye CHOI⁴, Jee Hyang JEONG¹
⁽¹⁾ *Department of Neurology, Center for Cognitive and Neurodegenerative Disorders, Ewha Womans University, School of Medicine, Seoul, South Korea*, ⁽²⁾ *Department of Neurology, Dongguk University Ilsan Hospital, South Korea*, ⁽³⁾ *Department of Radiology, Ewha Womans University Mokdong Hospital, South Korea*, ⁽⁴⁾ *Department of Neurology, Inha University, School of Medicine, South Korea*
-
- P3-14** **NEW APPROACHES TO AD TRIAL DESIGN**
Margaret Zalewski, MD¹, Peter Scheuler, MD¹
⁽¹⁾ *ICON Plc, Philadelphia, PA - USA*
-
- P3-15** **BIOMARKER AND ADAPTIVE DESIGN IN DISEASE MODIFICATION OR PREVENTIVE TRIALS**
David Raunig, Ph.D.¹, Dewen Yang, M.D. Ph.D¹
⁽¹⁾ *ICON Plc, Philadelphia, PA - USA*

General Information

Congress Venue

Loews Philadelphia Hotel
1200 Market Street
Philadelphia, PA 19107



Practical details:

Registration desk opening hours:

- Thursday, November 20th
6:30 am - 6:30 pm
- Friday, November 21st
6:30 am - 6:15 pm
- Saturday, November 22nd
7:00 am - 12:30 pm

Meeting Room: Regency Ballroom AB

Coffee Breaks, Lunches and Poster Sessions:
Millennium Hall

This year 3 different poster sessions are presented during the event:

- **POSTER SESSION 1** : Thursday, November 20th
P1-1 to P1-39
- **POSTER SESSION 2** : Friday, November 21st
P2-1 to P2-39
- **POSTER SESSION 3** : Saturday, November 22nd
P3-1 to P3-15

Welcome Reception

Thursday, November 20th
From 7 pm to 9 pm

CTAD 2014 welcomes you to The Reading Terminal Market the nation's oldest continuously operating farmers' market. Established in 1893 the Market boasts more than 80 unique merchants, three of which are descendants of original stand holders from when it opened more than 110 years ago.

The Reading Terminal Market is located less than 2 blocks away from the Congress Venue straight up 12th street. Maps are available at the registration desk.

Reading Terminal Market

51 North 12th Street
Philadelphia, PA 19107



ACT-AD

Accelerate Cure/Treatments for Alzheimer's Disease

CtAD 2014 would like to thank the Accelerate Cure/Treatments for Alzheimer's Disease (ACT-AD) Coalition for their contribution to the reception

The Accelerate Cure/Treatments for Alzheimer's Disease (ACT-AD) Coalition, www.act-ad.org, is a group of more than 50 non-profit organizations working with urgency to speed up the development of potential cures and more effective treatments for Alzheimer's disease (AD). ACT-AD does this by urging U.S. Food and Drug Administration (FDA) officials and other policymakers to increase the attention and resources they devote to the challenges posed by AD. Until the formation of ACT-AD in 2005, there was no single point of advocacy around the need for better treatments to combat Alzheimer's that combined the perspectives and commitment of respected advocates for women's health, consumer interests, caregiver groups and aging organizations.

Sponsors

Clinical Trials on Alzheimer's Disease (CTAD) would like to thank the following companies for their ongoing support helping CTAD meet its mission and goals.



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JPAD

The Journal of Prevention of Alzheimer's Disease

www.jpreventionalzheimer.com

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- Jacques Touchon (*Montpellier, France*)
- Bruno Vellas (*Toulouse, France*)
- Paul Aisen (*San Diego, USA*)



Sections and Associate Editor

- Methodological Aspects of Preventive Trials: Sandrine Andrieu (*Toulouse, France*)
- Operational Aspects of Preventive Trials: Bruno Vellas (*Toulouse, France*)
- Health Economic and Finances Aspects: Ara Khachaturian (*Washington, USA*)
- Health Policy, Regulations: Zaven Khachaturian (*Potomac, USA*)
- Bioinformatics Analytics: Ron Thomas (*San Diego, USA*)
- Intervention Pharmacological: Paul Aisen (*San Diego, USA*)
- Non Pharmacological: Eric Larson (*Seattle, USA*)
- Health Promotion: Mia Kivipelto (*Stockholm, Sweden*)
- Ethics: Jason Karlawish (*Philadelphia, USA*)
- Imaging and Biomarkers: Mike Weiner (*San Francisco, USA*)

Scope of the Journal

The JPAD has for objective to federate global research from academy and industry leaders in the field of Alzheimer prevention to contribute to future positive trials. Its objectives are to stimulate research and publications on methodological and operational aspects of preventive trials for Alzheimer's Disease and cognitive decline. The journal will focus on pharmacological and non-pharmacological interventions, biomarkers and imaging as well on health economics, financing and regulatory aspects, ethics and health promotion for the prevention of Alzheimer's.

JPAD will publish reviews, original research articles and short reports to improve our knowledge in the field of Alzheimer prevention including : neurosciences, biomarkers, imaging, epidemiology, public health, physical cognitive exercise, nutrition, risk and protective factors, drug development, trials design, and health economic outcomes.

JPAD will publish also the meeting abstracts from Clinical Trials on Alzheimer's Disease (CTAD) and will be distributed both in paper and online version worldwide.

Each CTAD attendee will receive a free subscription to JPAD (online and paper versions) with their registration to the Conference.

We hope that JPAD with your contribution will play a role in the development of Alzheimer prevention.

Notes

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Notes

A series of horizontal dashed lines for writing notes, spanning most of the page width.



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Clinical Trials on Alzheimer's Disease

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