CTAD

Clinical Trials on Alzheimer's Disease

10th edition of Clinical Trials on Alzheimer's Disease

Final Scientific Program

Boston, November 1-4, 2017

www.ctad-alzheimer.com

EADC

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European Alzheimer's Disease Consortium

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Alzheimer's Therapeutic Research Institute

JPAD

CTAD 2017

BOSTON, USA

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Dear Colleague,

The development of the next generation of Alzheimer's disease treatments is among the most important health needs worldwide, but presents huge challenges.
The goal of the meeting is to bring together today's worldwide leaders in the treatment of Alzheimer's disease to discuss new results, candidate therapeutics, and methodological issues important to the development of the next generation of Alzheimer's disease treatments.

Clinical trial teams from worldwide centers will report on their efforts to identify new biomarkers of disease as well as more sensitive clinical assessment tools to identify those at risk for AD, to predict progression, and assess the effectiveness of new treatments.

At CTAD 2017 several teams will report the results of their preclinical, Phase II and Phase III trials. This sharing of experiences converges towards a same goal : overcoming the hurdles and speed the development of effective treatments in AD.

Welcome to Boston !

Jacques Touchon MD, PhD
University
Hospital of Montpellier
France

Paul Aisen MD
Alzheimer's
Therapeutic Research Institute (ATRI)
University of Southern California (USC),
San Diego, USA

Bruno Vellas MD, PhD
University
Hospital of Toulouse
France

Mike Weiner MD
University of California
San Francisco (UCSF)
USA

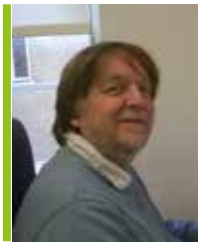
KEYNOTE SPEAKERS

Rachelle Doody, MD, PhD

is the Global Head of Neurodegeneration in Product Development, Neuroscience at Roche Pharmaceutical Company and it US entity, Genentech. She holds a BA in English and MA/PhD in Cognitive Anthropology from Rice University (focus on the brain and language), and did her medical training at Baylor College of Medicine in Houston, Texas and McGill University in Montreal, Canada. She is board certified in Neurology and Psychiatry. Fieldwork experience includes studying cognition among non-literate Karen hill tribes in Northern Thailand.

Prior to joining Genentech/Roche in September, 2016, Dr. Doody was the Effie Marie Cain Chair in Alzheimer's Disease Research at Baylor College of Medicine, in Houston, Texas where she had founded and directed the Alzheimer's Disease and Memory Disorders Center over a period of 27 years. She is now Distinguished Professor Emeritus at Baylor. While at Baylor, she published over 200 original research articles primarily dealing with the diagnosis and treatment of Alzheimer's disease and related neurodegenerative disorders, served on the steering committees for the National Institutes of Health-funded Alzheimer's Disease Cooperative Study (ADCS) and Alzheimer's Disease Neuroimaging Initiative (ADNI), and the executive committee for the Alzheimer's Therapeutic Research Institute (ATRI). Dr. Doody was the Principle Investigator for the Phase 2 and 3 development of donepezil (Aricept) which is now the most widely-used AD therapy globally, and worked with numerous biotech and pharma companies over a period of 25 years in the design and execution of treatment trials for cognitive and behavioral treatment of AD. She has contributed to efforts to globalize the diagnosis and treatment of AD, including advising on guidelines in China, Malaysia, South Korea and the Philippines, educating investigators throughout Europe and Asia on study design issues, and training investigators on outcome measures to support global studies.

In her role as a practicing Neurologist, Dr. Doody was elected to Best Doctors in America from 1996-2016. She has received many awards from professional and civic groups, including Distinguished Alumni Award from Rice University in 2009 and Distinguished Faculty Award from Baylor College of Medicine in 2011.



John Anthony Hardy, PhD

is a human geneticist and molecular biologist at the Reta Lila Weston Institute of Neurological Studies at University College London with research interests in neurological diseases.

Following his PhD, Hardy did postdoctoral research at the MRC Neuropathogenesis Unit in Newcastle upon Tyne, England and then further postdoctoral work at the Swedish Brain Bank in Umeå, Sweden where he started to work on Alzheimer's disease. He became Assistant Professor of Biochemistry at St. Mary's Hospital, Imperial College London in 1985 and initiated genetic studies of Alzheimer's disease there. He became Associate Professor in 1989 and then took the Pfeiffer Endowed Chair of Alzheimer's Research at the University of South Florida, in Tampa in 1992. In 1996 he moved to Mayo Clinic in Jacksonville, Florida, as Consultant and Professor of Neuroscience. He became Chair of Neuroscience in 2000 and moved to National Institute on Aging, Bethesda, Maryland, as Chief of the Laboratory of Neurogenetics in 2001. In 2007 he took up the Chair of Molecular Biology of Neurological Disease at the Reta Lila Weston Institute of Neurological Studies, University College London. On November 29, 2015, he was awarded the Breakthrough Prize.

Reisa A. Sperling, MD, MMSc

Director, Center for Alzheimer's Research and Treatment
Professor of Neurology, Harvard Medical School
Director of Clinical Research, Memory Disorders Unit, Brigham and Women's Hospital
Director, Neuroimaging Program, Massachusetts Alzheimer's Disease Research Center

Reisa Sperling MD, MMSc is a neurologist, specializing in dementia and imaging research. 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 during in aging and early Alzheimer's disease. She is the Principal Investigator on multiple NIH and Foundation grants to study the neural basis of memory impairment in MCI and AD, and the relationship of amyloid deposition to memory function.

Pierre N. Tariot, MD

Director, Banner Alzheimer's Institute, Research Professor of Psychiatry, University of Arizona College of Medicine

Dr. Tariot is Board Certified in Internal Medicine and Psychiatry, with added qualifications in geriatrics. He served as a Fellow at the National Institute of Mental Health and as faculty at the University of Rochester Medical Center. Since 2006, he has been at the Banner Alzheimer's Institute in Phoenix, where he serves as Director. He has investigated the diagnosis, therapy and prevention of Alzheimer's disease, and has published over 350 papers on these topics. Together with his colleague, Eric Reiman, he serves as co-director of the Alzheimer's Prevention Initiative, an NIH-funded international program to study experimental therapies that may delay or even prevent the symptoms of Alzheimer's in people at high imminent risk. He is a Research Professor of Psychiatry at the University of Arizona College of Medicine. His research affiliations include the NIA, the NIMH, and the Alzheimer's Association.

2017 Recipient of the CTAD Lifetime Achievement Award

Bruno Dubois, MD, PhD

Bruno Dubois is Professor of Neurology at the University Salpêtrière Hospital in Paris. He is Director of the "Institute for Memory and Alzheimer Disease" (IM2A) and of the Research INSERM Unit on "Cognition and Neuroimaging in Brain Diseases" at the ICM at the Salpêtrière Hospital.
He is Coordinator of the National Reference Center for "Rare Dementias"; of the National Reference Center for "Young-Onset Alzheimer disease" and of the Center of Excellence for Neurodegenerative Disorders (CoEN) of Paris. He was involved in the elaboration of the Presidential Alzheimer Plan and he is in the Executive Committee of the Plan.

Professor Dubois completed his Neurology residency and a fellowship in Behavioral Neurology at the Salpêtrière hospital. He has published more than 500 peer-reviewed articles on anatomical and biochemical studies on the central cholinergic systems in rodents and humans, on human cognition with special reference to memory, executive functions and frontal lobe behaviors and on biomarkers in neurodegenerative disorders. He was co-chairing the task force on the criteria and guidelines for the diagnosis of Parkinson's disease dementia under the auspices of the Movement Disorders Society. He leads an international working group of experts on the new criteria for Alzheimer Disease.

Bruno Dubois is member of the Académie Nationale de Médecine.
He is "Chevalier de la Légion d'honneur".

CTAD 2017

PROGRAM AT GLANCE

All sessions are held in General Ballroom AB

Wednesday, November 1

4:00 – 4:30 p.m.	Welcome from the Organizing Committee and Presentation of the CtaD Lifetime Achievement Award
4:30 – 5:00 p.m.	**Keynote 1 -** The Evolution of Preclinical Alzheimer's disease : Implications for Prevention Trials
5:00 – 6:00 p.m.	**Late Breaking Oral communications**
6:00 p.m.	**End of the Scientific Program**
6:15 – 8:00 p.m.	**Turning Point Documentary** *Please join filmmaker James Keach for a reception with refreshments*

Thursday, November 2

8:30 – 10:00 a.m.	**Oral communications**
10:00 – 10:30 a.m.	Coffee Break and Poster Session
10:30 – 11:30 a.m.	**Oral communications**
11:30 – 12:30 p.m.	**Symposium 1 -** CTAD 2017 Statistical Workshop : Estimands and Primary Analyses in AD Clinical Trials
12:30 – 1:30 p.m.	Lunch and Poster Session
1:30 – 2:30 p.m.	**Oral Communications**
2:30 –3:00 p.m.	**Keynote 2 -** From Academy to Industry : Perspectives for Drug Trials in AD
3:00 – 4:00 p.m.	**Late Breaking Oral Communications**
4:00 – 4:30 p.m.	Coffee Break and Poster Session
4:30 – 5:30 p.m.	**Symposium 2** EPOCH Trial of the BACE1 Inhibitor Verubecestat for Mild-to-Moderate Alzheimer's Disease

Friday, November 3

8:30 – 10:00 a.m.	**Oral Communications**
10:00 – 10:30 a.m.	Coffee Break and Poster Session
10:30 – 11:00 a.m	**Keynote 3 -** Genetic Aspects In Clinical Trials
11:00 – 12:30 p.m.	**Oral Communications**
12:30 – 1:30 p.m.	Lunch and Poster Session
1:30 – 2:30 p.m.	**Symposium 3** Importance of Serotonin in Alzheimer's Disease Psychosis and the Potential Role of Pimavanserin
2:30 – 3:30 p.m.	**Late Breaking Oral Communications**
3:30 –4:00 p.m.	**Oral Communications**
4:00 – 4:30 p.m.	Coffee Break and Poster Session
4:30 – 5:00 p.m.	**Keynote 4 -** Rationale, Design and Progress of the 3 Active Alzheimer's Prevention Initiative Trials
5:00 – 6:00 p.m.	**Symposium 4 -** Results from the Phase 3 MINDSET STUDY : A Global, Double-Blind, Placebo-Controlled Study of Intepidine in Mild-to-Moderate Alzheimer's Disease

Saturday, November 4

8:30 – 10:00 a.m.	**Oral Communications**
10:00 – 10:30 a.m.	Coffee Break and Poster Session
10:30 – 11:00 a.m.	**Late Breaking Oral Communications**
11:30 – 12:30 p.m.	**Symposium 5 -** Synaptic and Network Dysfunction in Alzheimer's Disease (AD): Translational Insights and Therapeutic Opportunities
12:30 – 1:30 p.m.	Lunch and Poster session
1:30 – 2:15 p.m.	**Clinical Trials Prescreening Focus Panel**
2:15 – 3:15 p.m.	**Oral Communications**
3:15 – 4:15 p.m.	**Late Breaking Communications**
4:15 – 4:30 p.m.	**Closing Session**

Wednesday, November 1

4:00 – 4:30 p.m.

Welcome from the Organizing Committee and Presentation of the CtaD Lifetime Achievement Award to Prof. Bruno Dubois

Jacques Touchon, Paul Aisen, Bruno Vellas, Mike Weiner

4:30 – 5:00 p.m.

Keynote 1

The Evolution of Preclinical Alzheimer's disease : Implications for Prevention Trials

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

Reisa Sperling, MD *Harvard Medical School - Center for Alzheimer Research and Treatment Brigham and Women's Hospital and Massachusetts General Hospital Memory Disorders Unit Boston, USA*

5:00 – 6:00 p.m.

Late Breaking Oral communications

Chairs : Rachelle Doody, Philip Scheltens

LB1 - Utilizing a PK/PD model to enable design principles within the gantenerumab Phase 3 Graduate program

Rachelle Doody, MD PhD[1], Ronald Gieschke, MD, PhD[2], Daniel Serafin, PhD[2], Sylvie Retout PhD[2], Paul Delmar PhD[1], Mirjana Adjelkovic, PhD[1], Danielle Abi-Saab, PhD[1], Smiljana Milosavljevic-Ristic, MD[1], Paulo Fontura, MD, PhD[1], Carsten Hofmann, PhD[2]

(1) Roche Product Development, Neuroscience, Basel, Switzerland(2) Roche Pharma Research and Early Development, Clinical Pharmacology and Bioanalytical R&D, Basel, Switzerland

LB2 - Higher Dose Gantenerumab leads to Significant Reduction in Amyloid Plaque Burden - Results for the Marguerite and Scarlet Road Open Label Extension Studies

Gregory Klein, PhD[1], Paul Delmar PhD[2], Carsten Hofmann, PhD[1], Mirjana Adjelkovic, MD[2], Danielle Abi-Saab, MD[2], Smiljana Milosavljevic-Ristic, MD[2], Monika Baudler, PhD[2], Paulo Fontura MD, PhD[2], Rachelle Doody, MD[2]

(1) Roche Pharma Research and Early Development, Clinical Pharmacology and Bioanalytical R&D, Basel, Switzerland (2) Roche/Genentech Product Development, Neuroscience, Basel, Switzerland

LB3 - Efficacy and safety of S 47445, a modulator of AMPA glutamatergic receptors, in patients suffering from Alzheimer's disease at mild to moderate stage with depressive symptoms.

Pueyo Maria, MD, PhD[1], Bernard Katy, PhD[1], Bretin Sylvie, PharmD, PhD[1], Gouttefangeas Sylvie, MD[1], Holthoff-Detto Vjera, MD[2] and Robert Philippe, MD[3].

(1)Pôle Innovation Thérapeutique Neuropsychiatrie, Institut de Recherches Internationales Servier, Suresnes, France. (2) Alexianer Krankenhaus Hedwigshöhe, Berlin. (3) CoBTeK lab - Université Côte d'Azur, CMRR – CHU Nice, Association IA, Institut Claude Pompidou, Nice - France.

LB4 - Phase IIa study results with the glutaminylcyclase inhibitor PQ912 in early Alzheimer's Disease

Philip Scheltens[1], MD, PhD , Merja Hallikainen[2], MD, PhD, Timo Grimmer[3], MD, Thomas Duning[4], MD, Alida A. Gouw[1,5], MD, PhD, Alle Meije Wink[6], PhD, Paul Maruff7, BBSc (Hons), PhD, G. Caroline M. van Baal[8], PhD, Suzanne Bruins[9], MSc, Inge Lues[10], PhD, Charlotte E. Teunissen[11] ,PhD, Niels D. Prins[1], MD, PhD

(1)Alzheimer Centre and Department of Neurology, Amsterdam Neuroscience, VU University Medical Centre, Amsterdam, The Netherlands (2)University of Eastern Finland, Institute of Clinical Medicine, Kuopio, Finland (3)Department of Psychiatry and Psychotherapy, Klinikum rechts der Isar, Technische Universität München, Munich, Germany (4)Department of Neurology, University of Münster, Münster, Germany (5)Department of Clinical Neurophysiology and MEG Center, Amsterdam Neuroscience, VU University Medical Center, Amsterdam, The Netherlands (6) Department of Radiology, Nuclear Medicine and PET Research, Amsterdam Neuroscience, VU University Medical Centre, Amsterdam, The Netherlands (7) Cogstate Ltd., Melbourne, Australia (8)Julius Center for Health Sciences and Primary Care, UMC Utrecht, The Netherlands (9)Julius Clinical, Zeist, The Netherlands (10) Probiodrug AG, Halle, Germany (11) Neurochemistry Laboratory and Biobank, Department of Clinical Chemistry, Amsterdam Neuroscience, VU University Medical Centre, Amsterdam, The Netherlands

6 p.m.

End of the Scientific Program

6:15 - 8:00 p.m.

Turning Point Documentary

Please join filmmaker James Keach for a reception with refreshments

In the gripping new documentary "The Turning Point," acclaimed filmmaker James Keach takes us inside the quest for the first medication that that could treat the underlying process of Alzheimer's disease, more than a century after Dr. Alois Alzheimer first described the brain disorder that slowly destroys memory and cognitive skills. Along the way, we meet the people behind these grand experiments, the scientists driven as much by personal conviction as professional innovation. We discover why medical science is never easy, often unpredictable and potentially perilous – and, as America's preeminent scientist Neil deGrasse Tyson reminds us, always worth the pursuit.

The project was funded through an unrestricted grant by Eli Lilly and Company to Volunteers of America

Thursday, November 2

8:30 – 10:00 a.m.

Oral Communications

Chairs: Jeffrey Cummings, Kathryn V. Papp

OC1 - A Phase 2a Exploratory Endpoint Trial in Mild-Moderate Alzheimer's Disease of LM11A-31-BHS p75 neurotrophin receptor ligand.

Frank M. Longo, MD, PhD[1], Manfred Windisch, PhD[2], Niels Andreasen, MD[3], Agneta Nordberg, MD, PhD[4]

(1) Department of Neurology and Neurological Sciences, Stanford University, Palo Alto, CA, USA. ; (2) NeuroScios, GmbH, Graz, Austria ; (3) Department of Neurobiology, Karolinska Institute, Stockholm, Sweden ; (4) Center for Alzheimer's Research, Karolinska Institute, Stockholm, Sweden

OC2 - Tau Accumulation Observed using Repeated Tau PET Measures Predicts Cognitive Decline in Normal Elderly

Bernard Hanseeuw[1,2], Beth Mormino[3], Alex Becker[1], Aaron Schultz[3], Jorge Sepulcre1, Kathryn Papp[3,4], Heidi Jacobs[1], Jasmeer Chhatwal[3], Dorene Rentz[3,4], Reisa Sperling[3,4], and Keith Johnson[1,3,4]

(1) Department of Radiology, Massachusetts General Hospital, Boston, MA, USA ; (2) Department of Neurology, Cliniques Universitaires Saint-Luc, Brussels, Belgium ; (3) Department of Neurology, Massachusetts General Hospital, Boston, MA, USA ; (4) Center for Alzheimer Research and Treatment, Department of Neurology, Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA

OC3 - Clinical evaluation of ^{18}F-PI-2620, a next generation TAU PET agent in subject with alzheimer disease and progressive supranuclear PALSY

Andrew Stephens[1], John Seibyl[2], Andre Mueller[1], Olivier Barret[2], Mathias Berndt[1], Jennifer Madonia[2], David Alagille[2], Hanno Schieferstein[1], Heiko Kroth[3], Santiago Bullich[1], Andrea Pfeifer[3] Andreas Muhs[3], Gilles Tamagnan[2], Kenneth Marek[2], Ludger Dinkelborg[1]

(1) Piramal Imaging, Berlin, Germany, (2) Molecular Neuroimaging, New Haven, USA, (3) AC Immune SA, Lausanne, Switzerland

OC4 - Optimizing the Preclinical Alzheimer's Cognitive Composite (PACC) with Semantic Processing : The PACC 5

Kathryn V. Papp PhD[1,2], Dorene M. Rentz PsyD[1,2], Irina Orlovsky MA[1], Reisa A. Sperling MD[1,2], Elizabeth C. Mormino PhD[2,3]

(1) Center for Alzheimer Research and Treatment, Department of Neurology, Brigham and Women's Hospital, Harvard Medical School, Boston, USA ; (2) Department of Neurology, Massachusetts General Hospital, Massachusetts General Hospital, Harvard Medical School, Boston, USA ; (3) Department of Neurology and Neurological Sciences, Stanford University School of Medicine, Palo Alto,USA

OC5 - Can IT Help with the Screening for Alzheimer's Disease Trials ? From EHR to Web-Based Cognitive Tests and e-Consent.

Peter Schueler, MD[2,3] , Michael W. Weiner, MD[1,] J. Wesson Ashford, MD, PhD[4,5,6], Bruno Vellas, MD, PhD[7,8]

(1) UCSF, San Francisco, USA; (2) ICON, Langen, Germany; (3) University Duisburg-Essen, Germany; (4) Stanford/VA Alzheimer's Disease and Aging Clinical Research Centers, CA, USA; (5)VA Palo Alto Health Care System, CA, USA; (6) Stanford University, CA, USA

(7) University Hospital's Department of Internal Medicine and Clinical Gerontology, Toulouse, France ; (8) Toulouse Gérontopôle, Toulouse, France.

OC6 - Amyloid Beta Oligomers in Alzheimer's Disease: a Missing Piece of the Alzheimer's Puzzle

Jeffrey Cummings MD[1], Sandrine Andrieu MD, MPH[2], Philip Scheltens MD, PHD[3], Kaj Blennow MD, PHD[4], Petr Kocis PHD[5], John A. Hey PHD[5], A. Power, MD[5], Martin Tolar, MD, PHD[5], Susan Abushakra, MD[5]

(1) Cleveland Clinic Lou Ruvo Center for Brain Health, Las Vegas, Nevada ; (2) University of Toulouse, Toulouse, France
(3) VU University Medical Center, Amsterdam, Netherlands ; (4) The Sahlgrenska Academy at University of Gothenburg, Mölndal, Sweden
(5) Alzheon, Inc., Boston, MA, USA

10:00 – 10:30 a.m.

Coffee Break and Poster Session (Georgian Room)

10:30 – 11:30 a.m.

Oral Communications

Chairs: Rebecca E. Amariglio, Pierre-Jean Ousset

OC7 - ABBV-8E12, a Humanized Anti-Tau Monoclonal Antibody for the Treatment of Early Alzheimer's Disease: A 96-Week, Multiple Dose, Randomized, Double-Blind, Placebo-Controlled Phase 2 Study

Kumar Budur[1], Hana Florian[1], Deli Wang[1], Weining Robieson[1], Holly Soares[1], Joel B. Braunstein[2], David M. Holtzman[3], Randall J. Bateman[3], Beatrice Rendenbach-Mueller[4], Nuno Mendonca[1]

(1) AbbVie Inc, North Chicago, IL, USA ; (2) C2N Diagnostics LLC, Saint Louis, MO, USA ; (3) Washington University, St. Louis, MO, USA ; (4) AbbVie Deutschland GmbH & Co. KG, Ludwigshafen, Germany

OC8 - Stratification of Pre-Symptomatic and Cognitively Normal Individuals using Polygenic Scoring

Maryam Shoai, PhD[1]; Richard Pither, PhD[2]; Valentina Escott-Price, PhD[3]; Simon M Laws, PhD[4]; Harald Hampel, MD, PhD[5]; Simone Lista, PhD[5]; Rik Vandenberghe[6]; Isabelle Cleynen[6]; David Irwin, MD[7]; Vivian Van Deerlin, MD[8]; Greg Davidson, PhD[9]; Virginia M.-Y. Lee, PhD[10]; John Q. Trojanowski, MD, PhD[10]; John Hardy, PhD DSc.[1]

(1) UCL Institute of Neurology, London, United Kingdom ; (2) Cytox Ltd, UK, Oxford, United Kingdom ; (3) Cardiff University, Cardiff, United Kingdom ; (4) Edith Cowan University, and Cooperative Research Centre (CRC) for Mental Health, Perth, Australia ; (5) AXA Research Fund & UPMC Chair, Paris, France ; (6) Katholieke Universiteit Leuven, Leuven, Belgium ; (7) Hospital of the University of Pennsylvania, Department of Neurology, University of Pennsylvania, Philadelphia, ; (8) Hospital of the University of Pennsylvania, Department of Pathology and Laboratory Medicine, University of Pennsylvania, Philadelphia ; (9) Ledcourt Associates, UK ; (10) Centre for Neurodegenerative Disease Research, University of Pennsylvania School of Medicine, Philadelphia

Thursday, November 2

OC9 - Objective Cognitive Decline in Preceding Years Relates to Self-Report on the Cognitive Function Index in the Harvard Aging Brain Study

Rebecca E. Amariglio PhD[1,2,3], Rachel F. Buckley PhD[2,3,4,5], Elizabeth C. Mormino PhD[2,3], Dylan R. Kirn MPH[2], Gad A. Marshall MD[1,2,3], Keith A. Johnson MD[1,2,3], Dorene M. Rentz PsyD[1,2,3], Reisa A. Sperling MD[1,2,3]

(1) Department of Neurology, Brigham and Women's Hospital, Boston, MA, USA ; (2) Department of Neurology, Massachusetts General Hospital, Boston, MA, USA ; (3) Harvard Medical School, Boston, MA USA ; (4) Florey Institutes of Neuroscience and Mental Health, Melbourne, Australia ; (5) Melbourne School of Psychological Science, University of Melbourne, Australia

OC10 - The Generation Program : Evaluating CNP520 Efficacy in Preclinical Alzheimer's Disease

Cristina Lopez Lopez, MD, PhD[1], Pierre N. Tariot, MD[2], Angelika Caputo, PhD[1], Fonda Liu, Pharm.D[1], Marie-Emmanuelle Riviere, PhD[1], Marie-Laure Rouzade-Dominguez, PhD1, Ronald G. Thomas, PhD[3], Jessica B. Langbaum, PhD[2], Rob Lenz, MD, PhD[4], Eric M. Reiman, MD, PhD[2], Ana Graf, MD[1].

(1) Novartis Pharma, Basel, Switzerland ; (2) Banner Alzheimer's Institute, Phoenix, AZ; USA ; (3) University of California-San Diego, San Diego, CA, USA ; (4) Amgen, Thousand Oaks, CA, USA.

11:30 – 12:30 p.m.

Symposium 1

CTAD 2017 Statistical Workshop : Estimands and Primary Analyses in AD Clinical Trials

Moderator : Hong Liu-Seifert Ph.D.
Eli Lilly and Company, Indianapolis, IN USA

Fabian Model Ph.D.
Roche, Basel Switzerland
Paul Aisen M.D.
Alzheimer's Therapeutic Research Institute, University of Southern California, San Diego, CA, USA
Panel discussion

12:30 – 1:30 p.m.

Lunch* (ABC Rooms) and Poster Session (Georgian Room)

**only for attendees who purchased the lunch package*

1:30 – 2:30 p.m.

Oral Communications

Chairs: Samuel Henderson, Irwin H. Rosenberg

OC11 - A Phase 1b, Randomized, Double-Blind, Placebo-Controlled, Sequential Cohort, Dose-Ranging Study of the Safety, Tolerability, Pharmacokinetics, Pharmacodynamics, and Preliminary Efficacy of TPI 287 (abeotaxane) in Patients with Primary Four Repeat Tauopathies : Corticobasal Syndrome or Progressive Supranuclear Palsy; or the Secondary Tauopathy, Alzheimer's Disease.

Adam Boxer, MD, PhD[1]; Zachary Miller, MD[1], Richard Tsai, MD, MBA[1], Mary Koestler, RN, PhD[1]; Julio Rojas, MD, PhD[1]; Peter Ljubenkov, MD[1]; Howie Rosen, MD[1]; Gil Rabinovici, MD[1]; Anne Fagan-Niven, PhD[2]; Yann Cobigo, PhD[1], June Jung, PhD[1]; Phi Luong, BS[1]; Emmeline Chuu, BA[1]; Ryan Powers, BA[1]; Paige Mumford, BA[1]; Bruce Miller, MD[1]; Erik Roberson, MD, PhD[3]

(1) Memory and Aging Center, Department of Neurology, University of California, San Francisco, CA, USA ; (2). Department of Neurology, Washington University School of Medicine, Saint Louis, MO, USA ; (3) Department of Neurology, University of Alabama School of Medicine, Birmingham, AL, USA

OC12 - High dose B Vitamin therapy selectively improves cognitive function indicative of cerebrovascular status in the randomized FAVORIT Ancillary Cognitive Trial

Tammy M. Scott[1,2], Aron M. Troen[1,3], Irwin H. Rosenberg[1,2]

(1) Jean Mayer USDA Human Nutrition Research Center on Aging at Tufts University, Boston MA ; (2) Friedman School of Nutrition Science and Policy, Tufts University, Boston MA; (3) Institute of Biochemistry, Food Science and Nutrition, The Robert H. Smith Faculty of Agriculture, Food and Environment, The Hebrew University of Jerusalem, Rehovot, Israel

OC13 - Investigational New Alzheimer's Drug Tricaprilin: Results of a Phase 3 Study in Mild-to-Moderate Alzheimer's Disease Patients

Samuel Henderson, PhD[1], Michael Gold, MD[2], Judith Walker, MD[1], Sabrina Greer[1], Janet Vogel[1], Aaron Shenkin[1]

(1) Accera Inc, Boulder, CO, USA ; (2) PPD Inc, Wilmington, NC, USA

OC14 - Characterization of the selective in vivo and in vitro binding properties of crenezumab : insights into crenezumab's unique mechanism of action

William J. Meilandt[1], Janice A. Maloney[1], Jose Imperio[1], Travis W. Bainbridge[2], Mike Reichelt[3], Danielle Mandikian[4], Yanmei Lu[5], James A. Ernst[2], Reina N. Fuji[6], Jasvinder K. Atwal[1]

(1) Department of Neuroscience, Genentech, South San Francisco, CA, USA ; (2) Department of Protein Sciences, Genentech, South San Francisco, CA, USA ; (3) Department of Research Pathology, Genentech, South San Francisco, CA, USA ; (4) Department of Preclinical and Translational Pharmacology, Genentech, South San Francisco, CA, USA ; (5) Department of Biochemical and Cellular Pharmacology, Genentech, South San Francisco, CA, USA ; (6) Department of Safety Assessment, Genentech, South San Francisco, CA, USA

Thursday, November 2

2:30 – 3:00 p.m.

Keynote 2

From Academy to Industry: Perspectives for Drug Trials in AD

Introduction: Michael Weiner, MD, *University of California San Francisco (UCSF) USA*

Rachelle Doody, MD, PhD

Global Head of Neurodegeneration PD Neuroscience, F. Hoffmann-La Roche, Basel, Switzerland

3:00 – 4:00 p.m.

Late Breaking Oral Communications

Chairs: Virginia Pérez-Grijalba and Chin Hong Tan

LB5 - Targeting Tau with RO7105705: Phase I results and design of a Phase II study in prodromal-to-mild AD

Geoffrey A. Kerchner, MD, PhD; Gai Ayalon, PhD; Mira Blendstrup, MA; Flavia Brunstein, MD, PhD; Priya Chandra, PhD; Akash Datwani, PhD; Reina N. Fuji, VMD, PhD; Paul Manser, PhD; Rajesh Menon, MBA; Sandra Sanabria Bohorquez, PhD; Edmond Teng, MD, PhD; Michael Ward, PhD; Robby Weimer, PhD; Kristin R. Wildsmith, PhD; Corinne Foo-Atkins, MBBS, MBA, MSc

Genentech, Inc., a member of the Roche Group, South San Francisco, CA, USA

LB6 - Plasma Aβ42/40 detects early stages of AD in the AB255 study and correlates with neuroimaging and CSF biomarkers.

Virginia Pérez-Grijalba[1], Judith Romero[1], Pedro Pesini[1], Leticia Sarasa[1], Itziar San-José[1], Javier Arbizu[2], Pablo Martínez-Lage[3], Lluis Tárraga[4], Agustín Ruiz[4], Mercé Boada[4], Manuel Sarasal and The AB255 Araclon Group[5].

(1)Araclon Biotech S.L., Zaragoza, Spain; (2)Clínica Universitaria de Pamplona, Pamplona, Spain (3)Fundación CITA-Alzheimer, San Sebastián, Spain. (4)Alzheimer Research Center and Memory Clinic. Fundació ACE. Institut Català de Neurociències Aplicades. Barcelona, Spain

LB7 - Aducanumab 36-month data from prime : A randomized, double-blind, placebo controlled Phase 1B study in patients with prodromal or mild Alzheimer's disease

Samantha Budd Haeberlein, PhD[1], Sarah Gheuens, MD, PhD[1], Tianle Chen, PhD[1], John O'Gorman, PhD[1], Philipp von Rosenstiel MD, Ping Chiao, PhD[1] , Guanfang Wang, PhD[2], Christian von Hehn, MD, PhD[1], LeAnne Skordos, PharmD[1], Christoph Hock, MD[3], Roger M Nitsch, MD[3], Alfred Sandrock, MD, PhD[1]

(1)Biogen, Cambridge, MA, USA (2) Cytel, Cambridge, MA, USA (3) Neurimmune, Schlieren-Zurich, and University of Zurich, Switzerland

LB8 - Polygenic hazard score: an enrichment marker for Alzheimer's associated amyloid and tau deposition

Chin Hong Tan, PhD[1]; Chun Chieh Fan, MD[2]; Elizabeth C. Mormino, PhD[3]; Leo P. Sugrue, MD, PhD[1]; Iris J. Broce, PhD[1]; Christopher P. Hess, MD, PhD[1]; William P. Dillon, MD[1]; Luke W. Bonham, BS[4]; Jennifer S. Yokoyama, PhD[4]; Celeste M. Karch, PhD[5]; James B. Brewer, MD, PhD[6,7]; Gil D. Rabinovici, MD[4]; Bruce L. Miller, MD[4]; Gerard D. Schellenberg, PhD[8]; Karolina Kauppi, PhD[7]; Howard A. Feldman, MD[6]; Dominic Holland, PhD[6]; Linda K. McEvoy, PhD[7]; Bradley T. Hyman, MD, PhD[9]; Ole A. Andreassen, MD, PhD[10]; Anders M. Dale, PhD[2,6,7]and Rahul S. Desikan, MD, PhD[1,4] for the Alzheimer's Disease Neuroimaging Initiative

(1) Department of Radiology and Biomedical Imaging, UCSF, San Francisco, CA, USA (2) Department of Cognitive Science, UCSD, La Jolla, CA, USA (3) Department of Neurology & Neurological Sciences, Stanford University, Stanford, CA, USA (4) Department of Neurology, UCSF, San Francisco, CA, USA (5) Department of Psychiatry, Washington University in St. Louis, St. Louis, MO, USA (6) Department of Neurosciences, UCSD, La Jolla, CA, USA (7) Department of Radiology, UCSD, La Jolla, CA, USA (8) Department of Pathology and Laboratory Medicine, University of Pennsylvania, Philadelphia, PA, USA (9) Department of Neurology, MGH, Boston, MA, USA (10) NORMENT Institute of Clinical Medicine, University of Oslo, Oslo, Norway

4:00 – 4:30 p.m.

Coffee Break and Poster Session (Georgian Room)

4:30 – 5:30 p.m.

Symposium 2

EPOCH Trial of the BACE1 Inhibitor Verubecestat for Mild-to-Moderate Alzheimer's Disease

Presentation by Michael Egan MD, Merck & Co., Inc., Kenilworth, NJ, USA

Followed by Panel Discussion with

Paul Aisen MD, University of Southern California (USC), San Diego, CA, USA
Maria Carrillo PhD, The Alzheimer Association, Chicago, IL, USA
Jeffrey Cummings, MD, ScD, Cleveland Clinic Lou Ruvo Center for Brain Health, Las Vegas, NV, USA
Bruno Vellas, MD, PhD University Hospital, Toulouse, France

Friday, November 3

08:30 – 10:00 a.m.

Oral Communications

Chairs: Merce Boada and Bengt Winblad

OC15 - Long-Term Cognitive Decline in Patients with Alzheimer´s Disease in Association with Treatment with Cholinesterase inhibitors-data from SveDem, the Swedish Dementia Registry

Maria Eriksdotter MD, PhD [1,2], Sara Garcia-Ptacek MD, PhD [1,2], Ingemar Kåreholt PhD[3,4], Dorota Religa MD, PhD [1,5], Peter Nordström MD, PhD [6], Anders Wimo MD, PhD [1, 5,7], Bengt Winblad MD, PhD [1,5],

(1) Department of Neurobiology, Care Sciences and Society, Center for Alzheimer Research, Division of Clinical Geriatrics, Karolinska Institutet, Huddinge, Sweden. ; (2) Department of Geriatric Medicine, Karolinska University Hospital, Huddinge, Sweden. ; (3) Aging Research Center, Center for Alzheimer Research, Department of Neurobiology, Care Sciences and Society, Karolinska Institutet and Stockholm University, Stockholm, Sweden ; (4) Institute of Gerontology, School of Health and Welfare, Jönköping University, Jönköping, Sweden. ; (5) Department of Neurobiology, Care Sciences and Society, Center for Alzheimer Research, Division for Neurogeriatrics, Karolinska Institutet, Huddinge, Sweden ; (6) Department of Community Medicine and Rehabilitation, Geriatric Medicine, Umeå University, Umeå, Sweden ; (7) The primary Health care of Hudiksvall-Nordanstig, Sweden

OC16 - Selection of Amyloid Positive Pre-Symptomatic Subjects using Automatic Analysis of Neuropsychological and MRI Data for Cost-Effective inclusion Procedures in Clinical Trials

Manon Ansart, MSc[1,2], Stéphane Epelbaum, MD, PhD[1,2,3], Olivier Colliot, PhD[1,2,3,4], Didier Dormont, MD[1,2,4], Bruno Dubois, Prof., MD[1,3], Harald Hampel, Prof., MD, PhD[1,3,5], Stanley Durrleman, PhD[2,1], for the ADNI, and the INSIGHT study group

(1) Sorbonne Universités, UPMC Univ Paris 06, Inserm, CNRS, Institut du cerveau et la moelle (ICM) - Hôpital de la Pitié-Salpêtrière, Boulevard de l'hôpital, Paris, France ; (2) Inria Paris, Aramis project-team, Paris, France ; (3) AP-HP, Hôpital de la Pitié-Salpêtrière, Department of Neurology, Institut de la Mémoire et de la Maladie d'Alzheimer (IM2A), Paris, France ; (4) AP-HP, Hôpital de la Pitié-Salpêtrière, Department of Neuroradiology, Paris, France ; (5) AXA Research Fund & UPMC Chair, Paris, France

OC17 - Physical Activity and Longitudinal Cognition: Results from the Harvard Aging Brain Study

Hannah M. Klein[1], Dylan R. Kirn, MPH[1], Aaron P. Schultz, PhD[1,3], Jennifer S. Rabin, PhD[3,4], Rachel Buckley, PhD[1,3,5,6], Dorene M. Rentz, PsyD[1,2], Kathyrn V. Papp, PhD[1,2], Keith A. Johnson, MD[1,2,3] , Reisa A. Sperling, MD MMSc[1,2,3], Jasmeer P. Chhatwal, MD,PhD MMSc[1,2,3].

(1) Department of Neurology, Massachusetts General Hospital, Boston, MA, USA ; (2) Department of Neurology, Brigham and Women's Hospital, Boston, MA, USA ; (3) Harvard Medical School, Boston, MA USA ; (4) Department of Psychiatry, Massachusetts General Hospital, Boston, MA USA ; (5) Florey Institutes of Neurosciences and Mental Health, Melbourne, Australia ; (6) Melbourne School of Psychological Sciences, University of Melbourne, Melbourne, Australia

OC18 - Validation of Tau PET Imaging in Alzheimer's Disease and Other Tauopathies

Niklas Mattsson, MD, PhD[1,2], Michael Schöll MD, PhD [1], Tomas Ohlsson MD, PhD [3], Andreas Hahn MD, PhD [4], Olof Strandberg MD, PhD [1], Jonas Jögi MD, PhD [5], Ruben Smith MD, PhD [1,6], Oskar Hansson MD, PhD [1,2]

(1) Clinical Memory Research Unit, Department of Clinical Sciences, Malmö, Lund University, Sweden ; (2) Memory Clinic, Skåne University Hospital, Malmö, Sweden ; (3) Department of Radiation Physics, Skåne University Hospital, Lund, Sweden ; (4) Department of Psychiatry and Psychotherapy, Medical University of Vienna, Austria ; (5) Department of Clinical Physiology and Nuclear Medicine, Skåne University Hospital, Lund, Sweden ; (6) Department of Neurology, Skåne University Hospital, Lund, Sweden

OC19 - TOMMORROW: A Trial to Delay the Onset of MCI Due to AD and Qualify a Unique Genetic Algorithm Biomarker: Study Update

Kathleen A. Welsh-Bohmer, PhD[1], Brenda L. Plassman, PhD[1], Carl Chiang, PhD[2], Meredith Culp, BS[3], Patrick Harrigan, BChE[3], Janet O'Neil, MBA[3], Ryan Walter, BS[3], Stephen Haneline, MS[2], Julian Arbuckle, BSc (Hons)[2], Shyama Brewster, BSc (Hons)[2], Yuka Maruyama, D.V.M.[2], Tom Swanson, BSCE, MBA[2], Dominic Fitzsimmons, BSc (Hons)[3], Alexandria S. Atkins, PhD[4], Sarah Powell, MSW[4], Richard Keefe, PhD[4], Craig Metz, PhD[2], Deborah Yarbrough, MS, MBA[3], Daniel K. Burns, PhD[2], Ann M. Saunders, PhD[2], Ferenc Martenyi, MD[3] for the TOMMORROW study investigators

(1) Department of Psychiatry & Neurology, Duke University, Durham NC, USA ; (2) Zinfandel Pharmaceuticals, Inc., Chapel Hill NC, USA ; (3) Takeda Development Center Americas, Inc., Deerfield, IL, USA ; (4) NeuroCog Trials, Durham, NC, USA

OC20 - Emerging Plasma-Based Therapies for AD

Montserrat Costa PhD[1], Raquel Horrillo PhD[1], Ana M Ortiz MSc[1], Alba Pérez PhD[1], Laura Núñez BSc[2], Antonio Páez MD[2], Mercè Boada MD[3], Agustín Ruiz MD, PhD[3], Salvador Grancha PhD[1]

(1) Research & Development, Grifols Bioscience Industrial Group, Parets del Vallès, Spain; (2) Clinical Operations Department. Grifols Bioscience Industrial Group, Sant Cugat del Vallès, Spain; (3) Memory Clinic of Fundació ACE. Institut Català de Neurociències Aplicades, Barcelona, Spain

10:00 – 10:30 a.m.

Coffee Break and Poster Session (Georgian Room)

10:30 – 11:00 a.m.

Keynote 3

Genetic Aspects In Clinical Trials

Introduction: Randall Bateman, MD - Washington University School of Medicine, St Louis, MO - USA

John Hardy, PhD, *Reta Lila Weston Institute of Neurological Studies, University College London, London UK*

Friday, November 3

11:00 – 12:30 p.m.

Oral Communications

Chairs: Jessica B. Langbaum and Chengjie Xiong

OC21 - Cognitive Run-In Periods for Amyloid-Positive Enriched Secondary Prevention Trials.

Andrew J. Aschenbrenner[1], PhD, Jason Hassenstab[1,2], PhD, Eric McDade[1], DO, Guoqiao Wang[3], PhD, Tammie L.S. Benzinger[4], MD, PhD, Randall J. Bateman, MD[1], & John C. Morris[1], MD.

(1) Department of Neurology, Washington University in St. Louis ; (2) Department of Psychological and Brain Sciences, Washington University in St. Louis ; (3) Department of Biostatistics, Washington University in St. Louis ; (4) Department of Radiology, Washington University in St. Louis

OC22 - Eigen Combinations of Cognition and Biomarkers to Minimize the Sample Sizes in Prevention Trials on Alzheimer Disease

Chengjie Xiong[1,2,3,4,6], PhD, Anne M. Fagan[2,3,6], PhD, Tammie Benzinger[2,5,6], PhD, Jason Hassenstab[2,3,6] ,PhD, John C. Morris[2,3,6], MD, Randall J. Bateman[2,3,6], MD.

(1) Division of Biostatistics, Washington University School of Medicine, St. Louis, MO, USA ; (2) Knight Alzheimer Disease Research Center, Washington University School of Medicine, St. Louis, MO, USA ; (3) Department of Neurology, Washington University School of Medicine, St. Louis, MO, USA ; '4) Department of Mathematics, Washington University, St. Louis, MO, USA ; (5) Department of Radiology, Washington University School of Medicine, St. Louis, MO, USA ; (6) The Dominantly Inherited Alzheimer Network, Washington University School of Medicine, St. Louis, MO, USA

OC23 - The Alzheimer's Prevention Registry and GeneMatch: Accelerating Recruitment and Enrollment into Alzheimer's Studies

Jessica B. Langbaum, PhD[1], Nellie High[1], David Gordon[1], Jodie Nichols[1], Trisha Walsh[1], Eric M. Reiman[1], MD, Pierre N. Tariot[1], MD

(1) Banner Alzheimer's Institute, Phoenix, AZ, USA

OC24 - An Examination of Rate of Decline as an Alternative to Change from Baseline

Howard Mackey, PhD[1], Nan Hu, PhD[1], Michael Ahmadi, MSc[2], Yinghua Chen, MSc[2], Pierre Tariot, MD[2], Eric M Reiman, MD[2], Francisco Lopera, MD[3], Kewei Chen, PhD[2], Ronald Thomas, PhD[4]

(1) Genentech, Inc., South San Francisco, CA, USA ; (2) Banner Alzheimer's Institute, Phoenix, AZ, USA ; (3) Universidad de Antioquia, Medellín, Colombia ; (4) UC San Diego Department of Neurosciences, CA, USA

OC25 - The Safety and Efficacy of Edonerpic (T-817) in Patients with Mild to moderate Alzheimer's Disease

Lon S. Schneider, MD,[1] Ronald G. Thomas, PhD,[2] James Brewer, MD,[2] Suzanne Hendrix, PhD[3], Robert Rissman, PhD,[2] David Salmon, PhD,[2] Hiroshi Kobayashi,[4] Howard Feldman, MD,[2] for the ADCS TCAD group

(1) Keck School of Medicine of the University of Southern California, Los Angeles, CA, USA ; (2) University of California, San Diego, CA, USA ; (3) Pentara Corporation, Salt Lake City, UT, USA ; (4) Toyama Chemical, Ltd, Tokyo, Japan

OC26 - Safety of and Tolerability of Gantenerumab in the Open-Label Extension of SCarlet RoAD Trial, a Global Study in Patients with Prodromal Disease

Mirjana Andjelkovic, PhD[1], Danielle Abi-Saab, Psy.D[1], Nathalie Pross, PhD[1], Paul Delmar, PhD[1], Nicola Voyle, PhD[2], Michaela Mertes[1], Smiljana Ristic, MD[1]

(1)Hoffman LaRoche, Basel, Switzerland ; (2) Roche Products Limited, Welwyn, UK

12:30 – 1:30 p.m.

Lunch* (ABC Rooms) **only for attendees who purchased the lunch package*
and Poster Session (Georgian Room and Ballroom Foyer)

1:30 – 2:30 p.m.

Symposium 3

Importance of Serotonin in Alzheimer's Disease Psychosis and the Potential Role of Pimavanserin

Moderator: Jeffrey Cummings, MD, ScD, *Cleveland Clinic Lou Ruvo Center for Brain Health, Las Vegas, NV, USA*

1. Role of 5-HT2a Receptors in the Pharmacology of Alzheimer's disease Psychosis

Stephen M. Stahl, MD, PhD[1], Ethan S. Burstein, PhD[2]

(1) University of California, San Diego, CA, USA ; (2) ACADIA Pharmaceuticals Inc., San Diego, CA, USA

2. Clinical Trial of Pimavanserin in Alzheimer's disease Psychosis

Clive Ballard, MBChB, MRCPsych[1], Carol Banister, MBChB, MRCPsych[2], Jim Youakim, MD[3], Bruce Coate, MPH[3], SrdjanStankovic, MD, MSPH[3], on behalf of the ADP Investigators

(1) University of Exeter Medical School, Exeter, UK ; (2) King's College, London, UK ; (3) ACADIA Pharmaceuticals Inc., San Diego, CA, USA

3. Review of Pimavanserin Clinical Results in the Context of Historical Alzheimer's disease Psychosis Trials

Pierre N. Tariot, MD[1], Randall Owen, MD[2], Doral Fredericks, PharmD, MBA[2]

(1) Banner Alzheimer's Institute and University of Arizona College of Medicine, Phoenix, AZ, USA ; (2) ACADIA Pharmaceuticals Inc., San Diego, CA, USA

Friday, November 3

2:30 - 3:30 p.m.

Late Breaking Oral Communications

Chairs: Peter J. Snyder and Christopher van Dyck

LB9 - Amylin type peptides as a new therapeutic avenue for Alzheimer's disease

Wendy Qiu, M.D., Ph.D [1,2] Haihao Zhu, M.D., Ph.D[3], Robert A. Stern, Ph.D[1], Qiushan Tao, Ph.D[3], Gustavo A. Mercier, M.D., Ph.D,[4], Martin Farlow, M.D[5], Neil Kowall, M.D., Ph.D[1]

(1)Alzheimer's Disease Center, (2) Department of Psychiatry, Boston University School of Medicine, Boston, MA, (3) Department of Pharmacology, Boston University School of Medicine (4) Department of Radiology, Boston University School of Medicine, Boston, MA, USA (5) Alzheimer's Disease Center, Indiana University, Indianapolis, IN, USA

LB10 - Initial Experience with PET Imaging of Synaptic Density (SV2A) in Alzheimer's Disease: A New Biomarker for Clinical Trials?

Ming-Kai Chen, MD, PhD[1], Adam P. Mecca, MD, PhD[2], Mika Naganawa, PhD[1], Sjoerd J. Finnema, PhD[1], Takuya Toyonaga, PhD[1], Shu-fei Lin, PhD[1], Julia W. McDonald[2], Hannah R. Michalak[2], Nabeel B. Nabulsi, PhD[1], Yiyun Huang, PhD[1], Amy F. T. Arnsten, PhD3, Richard E. Carson[1,4], and Christopher H. van Dyck, MD[2,3,5]

(1)Department of Radiology and Biomedical Imaging, Yale Positron Emission Tomography Center, Yale University, New Haven, CT, USA; (2)Department of Psychiatry, Yale University, New Haven, CT, USA; (3) Department of Neuroscience, Yale University, New Haven, CT, USA; (4)Department of Biomedical Engineering, Yale University, New Haven, CT, USA (5) Department of Neurology, Yale University, New Haven, CT, USA

LB11 - Early change in Retinal Structural Anatomy during the preclinical stage of Alzheimer's disease

Peter J. Snyder, PhD[1], Cláudia Y. Santos, MS[2], Jessica Alber, PhD[1], Lenworth N. Johnson, MD[3]; Stuart Sinoff, MD[4], & Paul Maruff, PhD,[5,6]

(1)Department of Neurology, Rhode Island Hospital & Alpert Medical School of Brown University, Providence, RI, USA (2) Interdisciplinary Neuroscience Program, University of Rhode Island, Kingston, RI, USA (3)Department of Ophthalmology, Rhode Island Hospital & Alpert Medical School of Brown University, Providence, RI, USA (4)Department of Neurology, BayCare Medical Group, Clearwater, FL, USA (5) Florey Institute of Neuroscience and Mental Health, University of Melbourne, Victoria, Australia (6) Cogstate Ltd., Melbourne, Victoria, Australia

LB12 - Online study partner-reported subjective cognitive decline can help identify potential Alzheimer's clinical trial participants

Nosheny RL [1,3], Camacho M[1], Insel PS[1,3], Mackin RS PhD[1,2], Finley S MS[1], Flenniken D[1], Fockler J[1], , Truran-Sacrey D[1], Maruff P[4], and Weiner MW,[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

3:30 – 4:00 p.m.

Oral Communications

Chairs: Régis Bordet and Craig Ritchie

OC27 - The European Prevention of Alzheimer's Dementia (EPAD) and Amyloid Imaging for Prevention of Alzheimer's Dementia (AMYPAD) Projects: Cohort Readiness for the Adaptive Clinical Trial Platform.

Andrew Satlin, MD[1] , Craig Ritchie MD PhD[2], Miia Kivipelto MD PhD[2], Alina Soloman MD PhD[3], Brian Tom PhD[4], Jose Luis Molinuevo MD PhD[5], Scott Berry PhD[6] Frederik Barkhof MD PhD[7] , Gill Farrar PhD[8]

(1)Eisai Pharmaceuticals, USA (2) Centre for Dementia Prevention, University of Edinburgh, UK (3) Ageing Research Centre, Karolinska Institute, Sweden (4) MRC Biostatistics Unit, University of Cambridge, UK (5) Barcelona Beta Brain Research Centre, Spain (6) Berry Consultants Ltd, Texas, USA (7) VU University Medical Centre, Amsterdam, The Netherlands (8) General Electric, Amersham, UK

OC28 - Towards a New Biomarker Battery for Drug Development in Alzheimer's Disease

Olivier Blin, MD, PhD[1], Régis Bordet MD PhD[2], Jill Richardson PhD[3], Pierre Payoux MD PhD[4], Claudio Babiloni MD PhD[5], David Bartrés-Faz MD PhD[6], Catherine Cassé-Perot PhD[1] Giovanni Frisoni MD PhD[7]

(1) University of Aix-Marseille (2) University of Lille (3) GSK (4) University of Toulouse (5) University of Roma (6) University of Barcelona (7) University of Geneva

4:00 – 4:30 p.m.

Coffee Break and Poster Session (Georgian Room and Ballroom Foyer)

4:30 – 5:00 p.m.

Keynote 4

Rationale, Design and Progress of the 3 Active Alzheimer's Prevention Initiative Trials

Introduction: Howard Feldman, *MD, University of California at San Diego (UCSD) - USA*

Pierre Tariot, MD, *Banner Alzheimer's Institute, University of Arizona College of Medicine, Phoenix, AZ - USA*

5:00 – 5:30 p.m.

Symposium 4

Results from the Phase 3 MINDSET STUDY :

A Global, Double-Blind, Placebo-Controlled Study of Intepirdine in Mild-to-Moderate Alzheimer's Disease

Saturday, November 4

08:30 – 10:00 a.m.

Oral Communications

Chairs: Audrey Gabelle, Zaven Khachaturian

OC29 - ORY-2001 Rationale in Mild to moderate Alzheimer's Disease

Roger Bullock MD[1], Cesar Molinero MD,PhD[1], Tamara Maes PhD[1]
(1) Oryzon Genomics S.A. Barcelona Spain

OC30 - Plasma Amyloid Levels within the Alzheimer's Process and Correlations with Central Biomarkers

Olivier Hanon, MD, PhD[1], Jean-Sébastien Vidal MD, PhD[1], Sylvain Lehmann MD, PhD[2], Stéphanie Bombois MD, PhD[3], Bernadette Allinquant MD[4], Marie Godard Msc[1], Patrick Gelé MD[5], Christine Delmaire MD[3], Frédéric Blanc MD[6], PhD, S Schraen MD[5], Audrey Gabelle MD, PhD[7] and the BALTAZAR study group.
(1) Department of Gerontology, Broca Hospital, Paris, France ; (2) Laboratoire de Protéomique Clinique, Department of Biochemistry, Saint Eloi Hospital, IRMB, inserm U1183, France ; (3) CMRR de Lille, Department of Neurology, Lille, France ; (4) Centre de Psychiatrie et Neurosciences, Université Paris Descartes, Paris, France ; (5) University of Lille Nord de France, Department of Biology and Pathology, Lille University Hospital, INSERM UMR 1172, 59037 Lille, France ; (6) CMRR de Strasbourg, Department of Gerontology; Strasbourg, France ; (7) CMRR de Montpellier, Department of Neurology; Inserm U1183, Montpellier, France.

OC31 - Online Clinical Research: Updates and Insights from the Brain Health Registry

Shannon Finley, MA[1], Diana Truran[1], Derek Flenniken[1,3], Juliet Fockler[1,3], Rachel L Nosheny PhD[1,3], Monica Camacho[1,3], R Scott Mackin PhD[1,2], and Michael W Weiner MD[1,3]
(1) Center for Imaging of Neurodegenerative Diseases, San Francisco Veteran's Administration Medical Center, San Francisco, CA, USA ; (2) UCSF Department of Psychiatry, San Francisco, CA, USA ; (3) UCSF Department of Radiology and Biomedical Imaging, San Francisco, CA, USA

OC32 - BPN14770 Phosphodiesterase-4D Negative Allosteric Modulator for Alzheimer's Dementia: Preclinical, PET Imaging and Human Phase 1 Results

Mark Gurney, PhD[1], Chong Zhang PhD[2], Ying Xu PhD[2], James O'Donnell PhD[2], Masahiro Fujita MD, PhD[3], Robert Innis MD, PhD[3], Victor Pike PhD[3], Sanjay Telu PhD[3] and Scott Reines, MD, PhD[1]
(1) Tetra Discovery Partners, Inc. Grand Rapids, MI, USA ; (2) School of Pharmacy and Pharmacological Sciences, University at Buffalo, Buffalo, NY, US ; (3) National Institute of Mental Health, Bethesda, MD, USA

OC33 - Amyloid Beta Stable Isotope Labeling Kinetics and Concentrations of Human Plasma Detect CNS Amyloidosis

Vitaliy Ovod MS[1], Kara Ramsey, BS[1], James Bollinger PhD[1], Kwasi Mawuenyega, PhD[1], Terry Hicks, BA[1], Theresa Schneider[1], Thomas Kasten, PhD[1], Wendy Sigurdson, RN[1], Melissa Sullivan, MS[1], Tamara Donahue[1], RN, Katrina Paumier, PhD1, David Holtzman, MD[1,2,4], John Morris, MD[1,4], Tammie Benzinger MD, PhD[2,3], Anne Fagan PhD[1,2,4], Bruce Patterson, PhD[5], and Randall Bateman, MD[1,2,4]
(1) Department of Neurology, Washington University School of Medicine, St Louis, MO ; (2) Hope Center for Neurological Disorders, Washington University School of Medicine, St Louis, MO ; (3) Department of Radiology, Washington University School of Medicine, St Louis, MO ; (4) Knight Alzheimer's Disease Research Center, Washington University School of Medicine, St Louis, MO (5) Department of Medicine, Washington University School of Medicine, St Louis, MO

OC34 - Stereotypical Data-Driven Imaging Biomarker Trajectories across the Alzheimer's Disease Spectrum

Sergey Shcherbinin, PhD[1], Mark A. Mintun, MD[2], Adam J. Schwarz, PhD[1], For the Alzheimer's Disease Neuroimaging Initiative[3]
(1) Eli Lilly and Company, Indianapolis, IN, USA ; (2) Avid Radiopharmaceuticals, Inc., Philadelphia, PA, USA ; Alzheimer's Disease Neuroimaging Initiative (ADNI) database (adni.loni.usc.edu)

10:00 – 10:30 a.m.

Coffee Break and Poster Session (Georgian Room and Ballroom Foyer)

10:30 – 11:30 a.m.

Late Breaking Oral Communications

Chairs: Michael Grundman and Philipp von Rosenstiel

LB13 - The Anti-Aβ Oligomer Drug CT1812 for Alzheimer's: Phase 1b/2a Safety Trial Outcomes

Lon S Schneider, MD[1], Michael Grundman, MD, MPH[3,2], MS, Steven DeKosky, MD[4], Roger Morgan, MD[5], Robert Guttendorf[6], Michelle Higgin, PhD[7], Julie Pribyl[7], Kelsie Mozzoni[3], Nicholas J Izzo, PhD[3], Hank Safferstein, PhD[3], Celine Houser, RN[3], Michael Woodward, MD[8] Susan M. Catalano, PhD[3]
(1) Keck School of Medicine of USC, Los Angeles, CA, USA (2) Global R&D Partners, LLC, San Diego, CA, USA (3) Cognition Therapeutics, Inc., Pittsburgh, PA, USA (4) McKnight Brain Institute, University of Florida, Gainesville, FL, USA (5) MedSurgPI, LLC Raleigh, NC, USA (6) Aclairo Pharmaceutical Development Group, Inc., Vienna, VA, USA (7) PharmaDirections, Cary, NC, USA (8) Memory and Wound Clinics, Austin Health, Melbourne, Australia

LB 14 - "Proxy Antigens": A new, definitive tool to guide successful clinical trials

Reddy Moola, PhD[1], Ronald N. Zuckermann, PhD[2], William Shelander, MSE[1]
(1) Anven AlzdX Inc., Berkeley, California, USA. (2) Molecular Foundry, Lawrence Berkeley National Laboratory, Berkeley, California, USA

Saturday, November 4

LB15 - Value of 18F-florbetaben amyloid PET in the diagnostic work-up of most complex patients with dementia in France: a naturalistic study

Mathieu Ceccaldi, MD, PhD[1]; Thérèse Jonveaux, MD[2]; Antoine Verger, MD, PhD[3]; Pierre Krolak-Salmon, MD, PhD[4]; Claire Houzard, MD[5]; Olivier Godefroy, MD[6]; Trevor Shields, MD[7]; Audrey Perrotin, PhD[8]; Rossella Gismondi, MD[8]; Santiago Bullich, PhD[9]; Aleksandar Jovalekic, PhD[9]; Nicola Raffa, MSIO; Florence Pasquier, MD[11]; Franck Semah, MD[12]; Bruno Dubois, MD[13]; Marie Odile Habert, MD[14]; David Wallon, MD[15]; Mathieu Chastan, MD[16]; Pierre Payoux, MD; PhD[17]; NEUUS in AD study group; Andrew Stephens, MD, PhD[9]; Eric Guedj, MD, PhD[18] .

(1) AP-HM - Hôpital de la Timone, Neurology and Neuropsychology Department, and Aix Marseille University, Inserm, INS, Institut de Neurosciences des Systèmes, Marseille, France; (2) CHRU de Nancy - Hôpital Brabois, Geriatric Department, Vandoeuvre-les-Nancy, France; (3) INSERM U947, IADI, Nancy, France; (4) Clinical and Research Memory Center of Lyon, Hospices civils de Lyon, UCBL1, Inserm 1028, Lyon, France; (5) CHU Lyon, Nuclear Medicine Department, Lyon, France; (6) CHU Amiens Picardie - Hôpital Sud, Neurology Department, Amiens, France; (7) CHU Amiens Picardie - Hôpital Sud, Nuclear Medicine Department, Amiens, France; (8) Piramal Imaging, Medical Affairs, Berlin, Germany; (9) Piramal Imaging, Clinical Research and Development, Berlin, Germany; (10) Piramal Imaging, Market Access and HEOR, Berlin, Germany; (11) Inserm 1171, Université de Lille, CHU, DistAlz, Lille, France;
(12) Univ. Lille, U1171, CHU Lille, Nuclear Medicine Department, Lille, France; (13) AP-HP - Hôpital Pitié Salpétrière, Memory and Alzheimer Disease Institute IM2A, Paris, France; (14) Laboratoire d'Imagerie Biomédicale, Sorbonne Universités, UPMC Univ Paris Inserm U 1146, CNRS UMR 7371, Paris, France; (15) CHU de Rouen - Hôpital Charles Nicolle, Neurology Department, Rouen, France; (16) Centre Henri Becquerel, Nuclear Medicine Department, Rouen, France; (17) ToNIC, Toulouse NeuroImaging Center, Université de Toulouse, Inserm, UPS, France;(18) AP-HM - Hôpital de la Timone, Nuclear Medicine Department, and Aix-Marseille University, CERIMED, CNRS, INT, Institut de Neurosciences de la Timone, Marseille, France.

LB16 - ADUCANUMAB titration dosing regimen: 24-month analysis from prime, a randomized, double-blind, placebo-controlled Phase 1B study in patients with prodromal or Mild Alzheimer's disease

Philipp von Rosenstiel MD[1], Sarah Gheuens, MD, PhD[1], Tianle Chen, PhD[1], John O'Gorman, PhD[1], Ping Chiao, PhD[1], Guanfang Wang, PhD[2], Christian von Hehn, MD, PhD[1], LeAnne Skordos PharmD[1], Christoph Hock, MD[3], Roger M Nitsch, MD[3], Samantha Budd Haeberlein, PhD[1], Alfred Sandrock, MD, PhD[1]

(1)Biogen, Cambridge, MA, USA (2)Cytel, Cambridge, MA, USA (3)Neurimmune, Schlieren-Zurich, and University of Zurich, Switzerland

11:30 – 12:30 p.m.

Symposium 5

Synaptic and Network Dysfunction in Alzheimer's Disease (AD): Translational Insights and Therapeutic Opportunities

Moderator : Arjen Brussaard, PhD, *Amsterdam Neuroscience, VU Medical Center, Amsterdam, Netherlands*

1. Targeting unfolded protein response and synaptic dysfunction to enhance memory function and prevent neurodegeneration
Giovanna Mallucci, MD PhD[1,2,3]
(1) Dept. of Clinical Neurosciences, University of Cambridge, Cambridge, UK ; (2) UK Dementia Research Institute at University of Cambridge, Cambridge, UK (3) MRC Toxicology Unit, Leicester, UK

2. Modulation of synaptic and network activity and endocytosis with light flicker therapy reduces amyloid pathology in mouse model of AD
Li-Hueh Tsai, PhD[1]
(1) Picower Institute of Memory and Learning, Massachusetts Institute of Technology, Cambridge MA, USA

3. Preclinical rationale and early clinical results of p38 alpha kinase inhibition to reverse hippocampal synaptic dysfunction
John Alam, MD[1]
(1) EIP Pharma, LLC, Cambridge MA, USA

12:30 – 1:30 p.m.

Lunch* (ABC Rooms) *only for attendees who purchased the lunch package
and Poster Session (Georgian Room and Ballroom Foyer)

Saturday, November 4

1:30 – 2:15 p.m.

Clinical Trials Prescreening Focus Panel :
Prescreening Initiatives to Identify Individuals with Preclinical or Early Alzheimer's Disease for Clinical Trials

Moderator : Jamie A Mullen, MD, AstraZeneca, Waltham MA, USA

1. The Funnel study: Prescreening for MCI and mild AD patients from the CHARIOT Register
Geraint J Price, Maxwell J Benjamin, Lisa K Curry, Sabrina WL Smith and Lefkos T Middleton
Neuroepidemiology and Ageing Research Unit, School of Public Health, Imperial College London, UK

2. A prescreening study using amyloid PET to improve recruitment for early Alzheimer's disease drug trials
Christopher C Rowe, MD Austin Health, Melbourne, Australia

3. Models of Patient Engagement in Alzheimer´s Disease (MOPEAD): a European project to move Alzheimer´s disease environment towards an earlier diagnosis
Mercè Boada, MD, PhD[1]; Laura Campo[2]; Dhaval Desai[3]; Hans Peter Hundemer[4]; Octavio Rodriguez-Gomez, MD[1]; Bengt Winblad, Prof, MD, PhD[5]; Frank Jessen, MD, PhD[6]; Peter Jelle Visser, MD, PhD[7]; Milica Kramberger, MD, PhD[8]; Rafael Simó, MD, PhD[9]; Rafael Navajo[10]; Annette Dumas[11]; Jean Georges, BA[12]; David Krivec[13]; Peggy Maguire[14]; Derek MacKenzie[15]

(1) Fundació ACE. Barcelona Alzheimer Treatment & Research Center, Barcelona, Spain; (2) Eli Lilly and Company Ltd, Basingstoke, United Kingdom; (3) AstraZeneca AB, Sodertalje, Sweden; (4) Lilly Deutschland GmbH, Bad Homburg, Germany; (5) Karolinska Institutet, Center for Alzheimer Research, Div. of Neurogeriatrics, Huddinge, Sweden ;(6) German Center for Neurodegenerative Diseases (DZNE), Bonn-Cologne, Germany ;(7) Stichting VUmc, Amsterdam, Netherlands ;(8) University Medical Centre Ljubljana, Ljubljana, Slovenia ;(9) Institut de Recerca Hospital Universitari Vall d'Hebron (VHIR), Barcelona, Spain ;(10) GMV Soluciones Globales Internet S.A.U., Barcelona, Spain; (11) ASDM Consulting, Auderghem, Belgium ;(12) Alzheimer Europe, Luxembourg, Luxembourg ;(13) Spomincica – Alzheimer Slovenia, Ljubljana, Slovenia ;(14) European Institute of Women's Health, Dublin, Ireland; (15) KITE Innovation (Europe) Ltd, Huddersfield, United Kingdom

2:15 – 3:15 p.m.

Oral Communications

Chairs: Matthieu Ceccaldi and Curtis Tatsuoka

OC35 - Rapid, Remote, and Repeatable: Smartphone-Based "Burst" Cognitive Assessments for Global AD Prevention Trials.

Jason Hassenstab, PhD[1,2,3,4], Andrew J. Aschenbrenner, PhD[1,3,4], Martin J. Sliwinski, PhD[4], Eric McDade, DO[1,3,4], Yen Ying Lim, PhD[6], Paul Maruff, PhD[6,7], David A. Balota, PhD[1,2,4], John C. Morris, MD[1,4,] Randall J. Bateman, MD[1,3,4], & The Dominantly Inherited Alzheimer Network-Trials Unit.

(1) Department of Neurology, Washington University School of Medicine, St. Louis, MO USA ; (2) Department of Psychological & Brian Sciences, Washington University in St. Louis, St. Louis, MO USA ; (3) The Dominantly Inherited Alzheimer Network-Trials Unit (DIAN-TU), Washington University School of Medicine, St. Louis, MO USA ; (4) Knight Alzheimer's Disease Research Center, Washington University School of Medicine, St. Louis, MO USA ; (5) Department of Human Development and Family Studies, Pennsylvania State University, State College, PA USA ; (6) The Florey Institute, The University of Melbourne, Parkville, Victoria, Australia ; (7) Cogstate Ltd, Melbourne, Victoria, Australia

OC36 - Associating Cognitive Functioning Profiles with Amyloid Status in ADNI2, with Implications for Adaptive Screening for Amyloid

Sarah J Carr PhD[1], Judith Jaeger PhD[2,3], Nancy Maserejian ScD[4], Ahmed Enayatallah[4], Alan Lerner[1,5], Yanming Wang6, Sheng Yang[7], Wenting Wang[4], Shijia Biang[4], Curtis Tatsuoka PhD[1,5] and for the Alzheimer's Disease Neuroimaging Initiative*

(1) Department of Neurology, Case Western Reserve University, Cleveland, OH, USA ; (2) CognitionMetrics, DE USA ; (3) Department of Psychiatry and Behavioral Sciences, Albert Einstein College of Medicine, Bronx, NY USA ; (4) Biogen, Cambridge, MA, USA ; (5.)Neurological Institute, University Hospitals Case Medical Center, Beachwood, OH USA ; (6) Department of Radiology, Case Western Reserve University, Cleveland, OH USA ; (7) Department of Epidemiology and Biostatistics, Case Western Reserve University, Cleveland, OH USA

OC37 - Alzheimer's Disease Dementia and the Long-Term Impact on Caregiver Burden – 36-Month results from GERAS

Catherine Reed, PhD[1], Mark Belger, BSc[1], J. Scott Andrews, PharmD[2], Antje Tockhorn-Heidenreich, MSc[1].

(1) Eli Lilly and Company Limited, Windlesham, UK ; (2) Eli Lilly and Company, Indianapolis, IN, USA

OC38 - Neuroprotective Effect of a New Photobiomodulation Technique against Amyloid Aβ25-35 Peptide-Induced Toxicity in Mice.

Guillaume J. Blivet, MS[1], Johann Meunier, PhD[2], Francois J. Roman, PhD[2], Jacques Touchon, MD, PhD[3,4]

(1) REGEnLIFE SAS, Montpellier, France ; (2) Amylgen SAS, Montferrier-sur-Lez, France ; (3) INSERM U1061, Montpellier, France (4) University of Montpellier, France

Saturday, November 4

3:15 – 4:15 p.m.

Late Breaking Oral Communications

Chairs: Asa Hatami and Sharon Sha

LB17 - Differential inhibition of the α-secretase ADAM10 by Aβ40 variants containing FAD mutations

Asa Hatami[1], Subrata Dutta[2], Alejandro Rodriguez[2], Patricia Spilman[1], Jevgenij Raskatov[2], Charles Glabe[3], and Varghese John[1]

(1)Department of Neurology, David Geffen School of Medicine, University of California, Los Angeles (2)Department of Chemistry and Biochemistry, University of California, Santa Cruz (3) Department of Molecular Biology and Biochemistry, University of California, Irvine

LB18 - Clinical Pharmacokinetics and Pharmacodynamics Characterization of ANAVEX™2-73 for Designing a Phase 2/3 Study in Mild-to-Moderate Alzheimer's Disease

Mohammad Afshar, MD, PhD[1], Frédéric Parmentier, PhD[1], Ene I Ette, PhD[2], Emmanuel O Fadiran, PhD[3], Christopher U Missling, PhD[3]; (1)Ariana Pharma, Paris, France, (2)Anoixis Corp., Natick, MA, (3)Anavex Life Sciences Corp., New York, NY

LB19 - The PLasma for Alzheimer SymptoM Amelioration (PLASMA) Study

Sharon J. Sha, MD, MS[1], Gayle K. Deutsch, PhD[1], Lu Tian, ScD, MS[2], Kara Richardson[3], Maria Coburn[3], Jennifer Guadiosol, Tatiana Marcal[4], Ethan Solomon, MS[5], Athanasia Boumis[1], Anthony Bet[3], Steven P. Braithwaite, PhD[6], Sam Jackson, MD, MBA[6], Karoly Nikolich, PhD[6], Darby Stephens[6], Geoffrey A. Kerchner, MD, PhD[1], Tony Wyss-Coray, PhD[1,6].

(1)Department of Neurology and Neurological Sciences, Stanford University, Stanford, CA, USA (2)Department of Health Research and Policy, Stanford University, Stanford, CA, USA (3)Department of Neurosurgery, Stanford University, Stanford, CA, USA (4)Department of Pediatrics, Stanford University, Stanford, CA, USA Endocrinology (current address) (5)Alzheimer's Therapeutic Research Institute, University of Southern California, Los Angeles, CA, USA (current address) (6) Alkahest, San Carlos CA, USA

LB20 - Application of the revised diagnostic criteria for the early stages of Alzheimer's disease to the LipiDiDiet study population

Tobias Hartmann, PhD[1,2], Kaj Blennow, PhD[3,4], Pieter Jelle Visser, PhD[5,6], Alina Solomon, MD, PhD[7,8,9], Suzanne B Hendrix, PhD10, Miia Kivipelto, MD, PhD[7,8,9], Hilkka Soininen, MD, PhD[7,11] on behalf of the LipiDiDiet clinical study group

(1) Deutsches Institut für Demenz Prävention (DIDP), Medical Faculty, Saarland University, Homburg, Germany (2) Department of Experimental Neurology, Saarland University, Homburg, Germany (3) Department of Psychiatry and Neurochemistry, Institute of Neuroscience and Physiology, The Sahlgrenska Academy at University of Gothenburg, Mölndal, Sweden (4) Clinical Neurochemistry Laboratory, Sahlgrenska University Hospital, Mölndal, Sweden (5) Department of Psychiatry and Neuropsychology, Alzheimer Center Limburg, University of Maastricht, Maastricht, the Netherlands (6) Department of Neurology, Alzheimer Center, VU University Medical Center, Amsterdam, the Netherlands (7) Department of Neurology, Institute of Clinical Medicine, University of Eastern Finland and Kuopio University Hospital, Kuopio, Finland (8) Department of Clinical Geriatrics, NVS, Karolinska Institutet, Huddinge, Sweden (9) Clinical Trials Unit, Department of Geriatric Medicine, Karolinska University Hospital, 14152 Huddinge, Sweden (10) Pentara Corporation, Salt Lake City, UT, USA (11) Neurocenter, Department of Neurology, Kuopio University Hospital, Kuopio, Finland

4:15 – 4:30 p.m.

Closing Session

CTAD 2017

POSTER PRESENTATIONS

Wednesday, November 1 and Thursday, November 2:

All posters presentations will be in Georgian Room (Mezzanine Level)

Friday, November 3 and Saturday, November 4

All posters presentations will be in Georgian Room and Ballroom Foyer (Mezzanine Level)

POSTER PRESENTATIONS

Wednesday, November 1 and Thursday, November 2

Theme 1. Clinical trials : Methodology

P1: Japanese ADNI: Clinical, neuroimaging and biomarker profiles in comparison with ADNI

Takeshi Iwatsubo, MD[1], Atsushi Iwata, MD[1], Kazushi Suzuki, MD[1], Ryoko Ihara, MD[1], Hiroyuki Arai, MD[2], Kenji Ishii, MD[3], Michio Senda, MD[4], Kengo Ito, MD[5], Takeshi Ikeuchi, MD[6], Ryozo Kuwano, MD[6], Hiroshi Matsuda, MD[7], for the Japanese ADNI and Chung-Kai Sun[8], PhD, Laurel Beckett PhD[9], Paul Aisen, MD8, Michael Donohue, PhD[8], for the ADNI

(1) The University of Tokyo, Tokyo, Japan (2) Tohoku University, Sendai, Japan (3) Tokyo Metropolitan Institute of Gerontology, Tokyo, Japan (4) Institute of Biomedical Research and Innovation, Kobe, Japan (5) National Center for Geriatrics and Gerontology, Obu, Japan (6) Niigata University, Niigata, Japan (7) National Center for Neurology and Psychiatry, Kodaira, Japan (8) Alzheimer Therapeutics Research Institute, University of Southern California, San Diego, CA, USA (9) University of California, Davis, Sacramento, CA, USA

P2: Putting the PGSA to the test: Time to progression in five studies with MCI patients

Manfred Berres, PhD, RheinAhrCampus, Remagen, Germany; Andreas U. Monsch, PhD,

Memory Clinic, University Center for Medicine of Aging, Felix Platter Hospital, Basel, Switzerland and René Spiegel, PhD, University Center for Medicine of Aging, Felix Platter Hospital, Basel, Switzerland.

P3: The importance of correct specification of the within-subject correlation structure in sample size calculation and power analysis for an AD clinical trial utilizing mixed effects regression analysis for outcome assessment

Wenyaw Chan, Ph.D[1]., Ho-Lan Peng, Ph.D[1], Valory N. Pavlik, Ph.D.[2]

(1) Department of Biostatistics, University of Texas Health Science Center at Houston, Houston, Texas, USA (2)Department of Neurology, Baylor College of Medicine, Houston, Texas, USA

P4: Join Dementia Research Improving Delivery of Clinical Trials in the UK

Adam Smith,

Office of the NIHR National Director for Dementia Research, University College London, UK

P5: Evaluation of Rapid, on-Site APOE Genetic Testing for Subject Outreach and Trial Recruitment

Sharon Cohen, MD FRCPC[1], Stephen G. Thein, PhD[2], Ian Cohen, MD CCFP1, Sophia Marie Pagtakhan, MD1, Fadi Frankul, MBChB1

(1) Toronto Memory Program, Toronto, ON, Canada (2) Pacific Research Network, San Diego, CA, USA

P6: Implementing a Memory Clinic Model to facilitate recruitment into early phase clinical trials for Mild Cognitive Impairment and Alzheimer's Disease

Lovingly Park, Ph.D.[1], Lev Gertsik, M.D.[2], Zyanya Mendoza, PsyD. [2], Katrina Patrick, Ph.D. [2], Darlene Gullaba1, Airybelle Rodriguez[1], and Stanford Jhee, PharmD[1]

(1)PAREXEL International, Glendale, CA (2) California Clinical Trials Medical Group, Glendale, CA, USA

P7: AD clinical trial recruitment Capacity to screen delivers faster recruitment

Roger Bullock, MD[1] Mette G. Skaksen [2] Susanne B. Olesen [3] Aina S. Lihn, MD, PhD [2]
Ulla Schmidt, MD [4] Hans Chr. Hoeck MD, PhD [1]

(1)Bioclinica Research Network, Stans NW, Switzerland; (2) Bioclinica Research Network, Aalborg, Denmark; (3) Bioclinica Research Network, Vejle, Denmark; (4) Bioclinica Research Network, Ballerup, Denmark

P8: Clinical and psychometric characteristics of participants with preclinical Alzheimer's disease in Japanese ADNI

Ryoko Ihara, MD[1], Atsushi Iwata, MD[1], Kazushi Suzuki, MD[1], Takeshi Iwatsubo, MD[1], Hiroyuki Arai, MD[2], Kenji Ishii, MD[3], Michio Senda, MD[4], Kengo Ito, MD[5], Takeshi Ikeuchi, MD[6], Ryozo Kuwano, MD[6], Hiroshi Matsuda, MD[7], for the Japanese ADNI

(1) The University of Tokyo, Tokyo, Japan (2) Tohoku University, Sendai, Japan (3) Tokyo Metropolitan Institute of Gerontology, Tokyo, Japan (4) Institute of Biomedical Research and Innovation, Kobe, Japan (5) National Center for Geriatrics and Gerontology, Obu, Japan (6) Niigata University, Niigata, Japan (7) National Center for Neurology and Psychiatry, Kodaira, Japan

P9: A novel mixed effects model to simultaneously estimate how the baseline value and the longitudinal change in biomarkers predict the change in cognition in dominantly inherited Alzheimer's disease

Guoqiao Wang, PhD[1], Chengjie Xiong, PhD[1], Eric M. McDade, DO[1], Jason Hassenstab, PhD[1], Anne M. Fagan, PhD[1], Tammie L.S. Benzinger, PhD[1], John C. Morris, MD[1], Andrew J. Aschenbrenner, PhD[1], Randall J. Bateman, MD[1]

The Dominantly Inherited Alzheimer Network, Department of Neurology, Washington University School of Medicine, St. Louis, MO

Wednesday, November 1 and Thursday, November 2

P10: An examination of rate of decline as an alternative to change from baseline

Howard Mackey, PhD[1], Nan Hu, PhD[1], Michael Malek-Ahmadi, MSc[2], Yinghua Chen, MSc[2], Pierre Tariot, MD[2], Eric M Reiman, MD[2], Francisco Lopera, MD[3], Kewei Chen, PhD[2], Ronald Thomas, PhD[4]

(1) Genentech, Inc., South San Francisco, CA, USA (2) Banner Alzheimer's Institute, Phoenix, AZ, USA (3) Universidad de Antioquia, Medellín, Colombia (4) UC San Diego Department of Neurosciences, CA, USA

P11: Metric Collection for Research Site Optimization: Global Alzheimer's platform efforts toward creating an AD research site database.

Richard Mohs, PhD[1], Kate Zhong, MD[1], John Dwyer, JD[1], Jason Bork, MA[1], Gabe Goldfeder, MA[1]

Global Alzheimer's Platform, Washington, D.C., USA

P12: In vitro degradation of β-amyloid fibrils by microbial keratinases

Debananda Singh Ningthoujam,

DBT-State Biotech Hub (SBT Hub) & Microbial Biotechnology Research Laboratory (MBRL), Manipur University, Canchipur, Imphal, India

P13: A likelihood-based prediction of Alzheimer's dementia using biomarkers: applications for clinical trials

Igor Yakushev, MD[1], Felix Müller-Sarnowski, MD[2], Bing Si, PhD[3], Jing Li, PhD[3], Timo Grimmer, MD[2]

(1)Dept. of Nuclear Medicine, Technical University of Munich (2) Dept. of Psychiatry and Psychotherapy, Technical University of Munich (3) Dept. of Industrial Engineering, Arizona State University

P14: A randomized placebo-controlled cross-over trial investigating nabilone as a treatment for agitation in patients with advanced AD: study protocol

Myuri Ruthirakuhan, PhD(c)[1,2,3], Nathan Herrmann, MD, FRCPC[1,2,3], Eleenor H. Abraham, BSc[1,3], Chelsea Sherman, BSc[1,2,3], Nicolaas Paul L.G. Verhoeff, MD, FRCPC, PhD[2,4], Alex Kiss, PhD1, Sandra E. Black, MD, FRCPC[1,2], Ana C. Andreazza, PhD[2] and Krista L. Lanctot, PhD[1,2,3]

(1) Sunnybrook Research Institute, Toronto, ON, Canada (2) University of Toronto, Toronto, ON, Canada (3) Neuropsychopharmacology Research Group, Toronto, ON, Canada (4) Baycrest Health Sciences, Toronto, ON, Canada

P15: Enriching Clinical Trial Data through Co-enrollment with the Brain Health Registry

Juliet Fockler[1,2], Rachel L Nosheny PhD[1,2], Diana Truran1, Shannon Finley, MA[1], Monica Camacho[1], Derek Flenniken[1], Aaron Ulbricht[1], R Scott Mackin PhD[1,3], Gil Rabinovici MD[4], and Michael W Weiner MD[1,2]

(1) Center for Imaging of Neurodegenerative Diseases, San Francisco Veteran's Administration Medical Center, San Francisco, CA, USA (2) UCSF Department of Radiology and Biomedical Imaging, San Francisco, CA, USA (3) UCSF Department of Psychiatry, San Francisco, CA, USA (4) UCSF Department of Neurology, San Francisco, CA, USA

P16: Outcomes and Length of Pharmacotherapy Trials on Alzheimer's disease

Enea Traini, PhD[1], Michele Moruzzi, PhD[1], Francesco Amenta, MD[1]

Centre for Clinical Research, Telemedicine and Telepharmacy, University of Camerino, Camerino

P17: Electrophysiology of the GABA and Cholinergic systems in healthy elderly subjects

Kristinn Johnsen, PhD[1], Peter Draxler, PhD[1], Gísli Johannesson, PhD[1], Magnus Johannsson, MSc[1], Thorkell Gudmundsson, MD[2], Jon Snaedal, MD[2]

(1)Research and Development, MentisCura, Reykjavík, Iceland. (2) Geriatrics, Landspitali University Hospital, Reykjavík, Iceland.

P18: Identifying Elevated Rates of CDR Scoring Errors: The Cognitive-Functional Difference Score

Christopher Weber, PhD[1], Selam Negash, PhD[1], Michael Ropacki, PhD[1], Christopher Randolph, PhD[1,2]

(1) MedAvante, Inc. (2) Loyola University Medical Center

P19: Study design and protocol of the Nolan trial: A randomized controlled trial of a nutritional blend to prevent cognitive decline in older adults

Claudie Hooper, PhD [1], Sophie Guyonnet, PhD [1,2], Corina Boschat PhD [3], Julie Hudry PhD [3], Sandrine Andrieu MD, PhD [2,4], Jeronen Schmitt PhD [3,5], Bruno Vellas MD, PhD [1],

(1) Gérontopôle, Department of Geriatrics, CHU Toulouse, Purpan University Hospital, Toulouse, France. (2) UMR1027, Université de Toulouse, UPS, INSERM, Toulouse, France. (3) Nestlé Research Center, Vers-chez-les-Blanc, Switzerland. (4) Department of Epidemiology and Public Health, CHU Toulouse, Toulouse, France. (5) Center of Human Psychopharmacology, Swinburne University of Technology, Melbourne, Australia.

POSTER PRESENTATIONS

Wednesday, November 1 and Thursday, November 2

P20: Validating Trial Power in Presence of Non-Random Dropouts Using Disease Simulation

Ali Tafazzoli, PhD[1], Peter L. Quon, MPH[1], Sean Stern, MS[1], Anuraag Kansal, PhD[1]
(1)Evidera, Bethesda, MD, USA

P21: Accounting for baseline prognostic variables and patient drop-out in the analysis of longitudinal outcomes within randomized trials for Alzheimer's Disease.

Elizabeth Colantuoni, PhD[1], Michael Rosenblum, PhD[1], Jon Steingrimsson, PhD[1], Aidan McDermott, PhD[1], Arnold Bakker, PhD[2], Michela Gallagher, PhD,[3,4]
(1)Department of Biostatistics, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD USA (2) Department of Psychiatry and Behavioral Sciences, Johns Hopkins Medical School, Baltimore, MD USA (3)AgeneBio, Inc. Baltimore, MD USA (4)Department of Psychological and Brain Sciences, Johns Hopkins University, Baltimore, MD USA

P22: An open-source implementation of data standards for Alzheimer's Disease clinical trials

Chung-Kai Sun, MS[1], Michael Donohue, PhD[1], Karin Ernstrom, MS[1], Yanxin Jiang, MS[1], Zeyun,Lu, MS[1], Paul Aisen, MD[1], Rema Raman PhD[1]
(1) Alzheimer Therapeutics Research Institute, University of Southern California, San Diego, CA, USA

P23: Longitudinal Impact of Audio Review on Data Quality

Todd M. Solomon, PhD[1,2], Jordan M. Barbone, BS[1] , Sarah M. Karas PsyD[1], H. Todd Feaster PsyD[1]
(1) Bracket, Wayne, PA, USA, (2) Boston University School of Medicine, Boston, MA, USA

P24: Utilizing Audio Review to Improve ADCS-ADL Data Quality

Todd M. Solomon[1,2], PhD, H. Todd Feaster PsyD[1], Jordan M. Barbone, BS[1] and David S. Miller, MD, MA[1]
(1) Bracket, Wayne, PA, USA; (2) Boston University School of Medicine, Boston, MA, USA

P25: The influence of a mobility training program on gait performance among healthy cognitive elderly people and people with MCI

Carine Federspiel, MD[1, 2], Elisabeth Bourkel, PhD[1], Jean-Paul Steinmetz, PhD[1, 2]
(1)Centre for memory and mobility, Luxembourg; (2) ZithaSenior, Research&Development, Luxembourg

Late Breaking Posters

LBP1: Now I Remember! (That I'm in Another Study): Duplicate Subjects in Clinical Trials of Alzheimer's Disease

Thomas Shiovitz, MD[1,2], Brittany Fox, BS[1], Chelsea Steinmetz, BA1, Sabrina Schoneberg, BA[1]
(1) CTSdatabase LLC, Sherman Oaks, CA, USA (2) California Neuroscience Research, Sherman Oaks, CA, USA

LBP2: Alzheimer's Disease should we jump, sink or swim through phase 2? How do different early phase designs address Alzheimer's issues?

Trevor Smart,
Eli Lilly, Windlesham, Surrey, United Kingdom

LBP3: Low PET screen failure rate in the UB-311 Phase 2A study enriched for ApoE4 carriers with mild cognitive deficit

Hui Chen Chen[1], P. N. Wang[2], M. J. Chiu, MD[3], C. C. Huang[4], C. C. Chang[5], T. C. Yen[6], K. J. Lin[6], John Seibyl[7], Jacob Hesterman[7], Ajay Verma1,
(1)United Neuroscience, Inc. Hauppauge, NY, USA; (2)Department of Neurology, Taipei Veterans General Hospital, Taipei, Taiwan; (3)Department of Neurology, National Taiwan University Hospital, Taipei, Taiwan; (4)Department of Neurology, Linkou Chang Gung Memorial Hospital, Taoyuan, Taiwan; (5)Department of Neurology, Kaohsiung Chang Gung Memorial Hospital, Kaohsiung, Taiwan; (6)Molecular Imaging Center and Department of Nuclear Medicine, Linkou Chang Gung Memorial Hospital, Taoyuan, Taiwan; (7)InviCRO LLC, Boston, MA, USA

Wednesday, November 1 and Thursday, November 2

LBP4 : The Brain Health Registry-IDEAS study: Evaluating the feasibility of Internet-based data collection in cognitively impaired older adults

Monica R Camacho[1,2], Rachel L Nosheny PhD[1,2], Shannon Finley MA[1], Derek Flenniken[1,2], Juliet Fockler[1,2], R Scott Mackin PhD[1,3], Diana Truran-Sacrey[1], Aaron Ulbricht[1,3], J Wesson Ashford[4,5], Curtis B Ashford[6], Gil Rabinovici MD[7], James Hendrix[8], Maria Carrillo[8], and Michael W Weiner MD[1,2]

(1) Center for Imaging of Neurodegenerative Diseases, San Francisco Veteran's Administration Medical Center, San Francisco, CA, USA (2) UCSF Department of Radiology and Biomedical Imaging, San Francisco, CA, USA (3) UCSF Department of Psychiatry, San Francisco, CA, USA (4) Stanford Department of Psychiatry & Behavior Science, Palo Alto, CA, USA (5) Palo Alto Veteran's Administration Medical Center, Palo Alto, CA, USA (6) MemTrax, Inc, Redwood City, CA, USA (7) UCSF Department of Neurology, San Francisco, CA, USA (8) Alzheimer's Association, Chicago, IL, USA

LBP5: Frailty and biological ageing may impact the external validity of randomized controlled trials on Alzheimer's disease.

Alessandro Trebbastoni[1], Marco Canevelli[1], Federica Quarata[1], Fabrizia D'Antonio[1], Matteo Cesari[2,3], Giuseppe Bruno[1] and Carlo de Lena[1]

(1) Department of Neurology and Psychiatry, "Sapienza" University of Rome, Italy (2) Gérontopôle, Centre Hospitalier Universitaire de Toulouse, Toulouse, France (3) Université de Toulouse III Paul Sabatier, Toulouse, France

LBP6: Clinical trial design of the CREAD Studies: randomized, double-blind, placebo-controlled, parallel-group Phase 3 studies to evaluate the efficacy and safety of crenezumab in patients with prodromal to mild Alzheimer's disease

Helen Lin, MD[1], Janice Smith, PhD[2], Laurie Millar, PhD[2], Kaycee M. Sink, MD, MAS[1], Jillian Smith, BSc[2], Andres Schneider, MD[3], Reina Fuji, VMD, PhD[1], Angelica Quartino, PhD[1], Howard Mackey, PhD[1], Michael Rabbia, MA[4], Susan Yule, B.Pharm[3], Susanne Ostrowitzki, MD, PhD[1], Paulo Fontoura, MD, PhD[3], Rachelle Doody, MD, PhD[1,3]

(1)Genentech, Inc., South San Francisco, USA; (2) Roche Products Ltd, Welwyn Garden City, UK (3) F. Hoffmann-La Roche Ltd, Basel, Switzerland: (4)Roche Innovation Center New York, New York, NY

LBP7: Utilizing machine learning to enable improved cohort selection for Alzheimer's Disease clinical trials

Mallory Busso BSc[1], Emmanuel Fuentes BSc[1], Christopher Buckley PhD[2], Rabia Ahmad PhD[2], Christopher Foley PhD[2], Jan Wolber PhD[2]

(1)GE Healthcare, Life Sciences, San Ramon, USA (2) GE Healthcare, Life Sciences, Core Imaging, Amersham, UK

LBP8: Does the Length of Time to Clinical Trial Site Activation Relate to Screening Performance?

Sarah Walter, MSc[1], Devon Gessert, BS[1], Elizabeth Shaffer-Bacareza, BS[1], Karin Ernstrom, MS[1], Rema Raman, PhD[1], Paul Aisen, MD[1]

(1) Alzheimer's Therapeutic Research Institute, University of Southern California, San Diego, CA, USA

LBP9: Next Generation of Clinical Development: Applying Patient-Centered Insights to Accelerate Patient Recruitment for Alzheimer's Disease Clinical Trials

Olga Uspenskaya-Cadoz, MD, PhD*[1], Kenneth Stanley*[2], Natalia Balko[3], Sadiq Lula[3], Sam Khinda[2], Milena Kanova, MD[2], Penny Randall, MD[1], Lynne Hughes[2]

(1) QuintilesIMS Central Nervous System Center of Excellence (2) QuintilesIMS Project Leadership Unit (3) QuintilesIMS Analytics Center of Excellence

LBP10: Experimental Design on a Budget for Sparse Linear Models: Applications to Cognitive Patterns in Preclinical Alzheimer's Disease

Daniel J. Belongia[1], Sathya N. Ravi[1], Rebecca Koscik, PhD[1], Erin Jonaitis, PhD[1], Sterling C. Johnson, PhD[1,2], Vikas Singh, PhD[1]

(1) University of Wisconsin – Madison (2) William S. Middleton Memorial Veterans Hospital

LBP11: Rationale, Design and Progress of Alzheimer's Prevention Initiative Trials

Pierre N. Tariot, MD, Jessica B. Langbaum, PhD, Eric M. Banner

Alzheimer's Institute, Phoenix, AZ, USA

LBP12: Graph Imputation techniques for estimating amyloid positivity from longitudinal cognitive and MRI measurements for efficient secondary prevention trials

Tuan Dinh, Sathya Ravi, WonHwa Kim, Nagesh Adluru, Rebecca Koscik, Cynthia Carlsson, Sterling C. Johnson, Vikas Singh

University of Wisconsin--Madison, WI, USA

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Theme 2. Clinical trials: Results

P26: Longitudinal cognitive and functional changes are influenced by educational history in the J-ADNI MCI individuals.

Atsushi Iwata, MD[1], Takeshi Iwatsubo[2], MD, Kazushi Suzuki, MD[3] Ryoko Ihara, MD[2], Hiroyuki Arai, MD[3], Kenji Ishii, MD[4] Michio Senda, MD[5], Kengo Ito, MD[6] Takeshi Ikeuchi, MD[7], Ryozo Kuwano, MD[7], Hiroshi Matsuda, MD[8] for the Japanese ADNI

(2) Department of Neuropathology, The University of Tokyo, Tokyo, Japan (3) Institute of Development, Aging and Cancer, Tohoku University, Sendai, Japan (4) Diagnostic Neuroimaging Research, Tokyo Metropolitan Institute of Gerontology, Tokyo, Japan (5) Department of Molecular Imaging, Institute of Biomedical Research and Innovation, Kobe, Japan (6) Department of Clinical and Experimental Neuroimaging, National Center for Geriatrics and Gerontology, Obu, Japan (7) Brain Research Institute, Niigata University, Niigata, Japan (8) Integrative Brain Imaging Center, National Center for Neurology and Psychiatry, Kodaira, Japan

P27: A randomized placebo-controlled cross-over trial investigating nabilone as a treatment for agitation in patients with advanced AD: study protocol

Myuri Ruthirakuhan, PhD(c)[1,2,3], Nathan Herrmann, MD, FRCPC[1,2,3], Eleenor H. Abraham, BSc[1,3], Chelsea Sherman, BSc[1,2,3], Nicolaas Paul L.G. Verhoeff, MD, FRCPC, PhD[2,4], Alex Kiss, PhD[1], Sandra E. Black, MD, FRCPC[1,2], Ana C. Andreazza, PhD[2] and Krista L. Lanctot, PhD[1,2,3]

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P28: BPN14770 Phosphodiesterase-4D Negative Allosteric Modulator for Alzheimer's Dementia: Preclinical, PET Imaging and Human Phase 1 Results

Mark Gurney, PhD[1], Chong Zhang PhD[2], Ying Xu PhD[2], James O'Donnell PhD[2], Masahiro Fujita MD, PhD[3], Robert Innis MD, PhD3 and Scott Reines, MD, PhD1

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P29: Sustained Clinical Effects of Tramiprosate in APOE4/4 Homozygous Patients with Alzheimer's Disease over 130 weeks: Results of Phase 3 Extension Study

S. Abushakra, MD[1], A. Porsteinsson, MD[2], C. SAdowsky, MD[3], B. Vellas, MD[4], S. Gauthier, MD[5], A. Power, MD[1], L. Shen, PHD[6], P. Wang, PHD[6], J.A. Hey, PHD[1], M. Tolar, MD, PHD[1]

(1)Alzheon, Inc., Boston, MA, USA (2)University of Rochester, Rochester, NY (3)Palm Beach Neurology, Florida USA (4)University of Toulouse, Toulouse, France (5) McGill University, Montreal, Canada (6)Pharmapace Inc., San Diego, CA US

P30: Effect of mild or moderate hepatic impairment on the clearance of azeliragon

Ann Gooch, PhD[1], Aaron H Burstein, PharmD[1], Scott J Brantley, PhD[2], Michael J Lamson, PhD[2], Imogene Dunn, PhD[1], Larry D Altstiel, MD, PhD[1]

(1) vTv Therapeutics, High Point, NC, USA (2) Nuventra Pharma Sciences, Inc, Durham, NC, USA

P31: Effect of CYP2C8 and CYP3A4 inhibition and CYP induction on the pharmacokinetics of azeliragon.

Aaron H Burstein, PharmD[1], Michael J Lamson, PhD[2], Mark Sale, MD[2], Scott J Brantley, PhD[2], Ann Gooch, PhD[1], Imogene Dunn, PhD[1], Larry D Altstiel, MD, PhD[1]

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P32: The PLasma for Alzheimer SymptoM Amelioration (PLASMA) Study

Sharon J. Sha, MD, MS[1], Gayle K. Deutsch, PhD[1], Lu Tian, ScD, MS[2], Kara Richardson[3], Maria Coburn[3], Jennifer Guadiosol, Tatiana Marcal[4], Ethan Solomon, MS[5], Athanasia Boumis[1], Anthony Bett[3], Steven P. Braithwaite, PhD[6], Sam Jackson, MD, MBA[6], Karoly Nikolich, PhD[6], Darby Stephens[6], Geoffrey A. Kerchner, MD, PhD[1], Tony Wyss-Coray, PhD[1,6].

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P33: FUNDAMANT: a 72-week phase 1 follow-up study of AADvac1, an active vaccine against tau pathology

Petr Novak, MD, PhD[1] Matej Ondrus, MD, MSc[1], Stanislav Katina, PaedDr. RNDr, PhD[1] Norbert Zilka, MVD, DrSc (Eva Kontsekova, RNDr, Prof, DrSc)

1) AXON Neuroscience CRM Services SE, Bratislava, Slovakia (2) AXON Neuroscience R&D Services SE, Bratislava, Slovakia

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P34: Open-Label Extension Study of Idalopirdine as Adjunctive to Donepezil for the Treatment of Mild-Moderate Alzheimer's Disease

Lutz Frölich, MD[1], Jose Luis Molinuevo, MD[2], Alireza Atri, MD, PhD[3,4], Clive Ballard, MD[5], Neli Boneva, MD, PhD[6], Marie Aavang Geist, PhD[6], Anna Bladström, PhD[6], Jeffrey L. Cummings, MD, ScD[7], Pierre N. Tariot, MD[8]

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P35: A Ketogenic Supplement Improves Brain Energy Metabolism and Cognition in Mild Cognitive Impairment: Preliminary Results of a 6-Month Randomized Controlled Study with Neuroimaging (BENEFIC TRIAL)

Etienne Croteau, PhD[1,2], Christian-Alexandre Castellano, PhD[1], Melanie Fortier, MSc[1], Francis Langlois, PhD[1], Tamas Fulop, MD, PhD[1,3], Stephen Cunnane, PhD[1,3]

(1) Research Center on Aging, CIUSSSE – CHUS, Sherbrooke, QC, Canada (2) Pharmacology-Physiology department, FMSS, University of Sherbrooke, QC, Canada (3) Medicine department, FMSS, University of Sherbrooke, QC, Canada

P36: MRI findings in the open label extension of the Marguerite RoAD study in patients with mild Alzheimer's disease

Danielle Abi-Saab, Psy.D[1], Mirjana Andjelkovic, PhD[1], Nathalie Pross, PhD[1], Paul Delmar, PhD[1], Nicola Voyle, PhD[1], Nelli Esau[1], Smiljana Ristic, MD[1]

(1) Hoffman LaRoche, Basel, Switzerland (2) Roche Products Limited, Welwyn, UK

P37: Three Years of Treatment of the Trial on the Association between a Cholinesterase Inhibitor and Choline Alphoscerate in Alzheimer's Disease: Interim Results

Enea Traini, PhD[1], Anna Carotenuto, PhD[1,2], Angiola M Fasanaro, MD[2], Valentino Manzo, MD[2], Francesco Amenta, MD[1]

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P38: Safety and Efficacy Results from Phase 2 pilot trial of GM-CSF/Leukine® in mild-to-moderate AD

Huntington Potter, PhD[1,2], Jonathan H. Woodcock, MD[1,2], Timothy Boyd, PhD[1,2], Stefan H. Sillau, PhD[2], Brianne M. Bettcher, PhD[1,2,3], Joseph Daniels,[1], Kate Heffernan,[1], and H. Gray[1,2]

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P39: Analysis of treatment emergent adverse event incidences in phase 2 study of azeliragon reveal potential attenuation of psychiatric system organ class (SOC) adverse events and expected drug effects in gastrointestinal SOC

Imogene Dunn, PhD[1], Aaron H Burstein, PharmD[1], Larry D Altstiel, MD, PhD[1]

(1) vTv Therapeutics, High Point, NC, USA

P40: Treatment with PXT-864 showed stabilisation of cognitive disability in mild Alzheimer's disease after 36 weeks

Jacques Touchon, MD PhD[1], Pierre-Jean Ousset, MD[2], Florence Pasquier, MD PhD[3], Claude Guériot, MD[4], Philippe Robert, MD PhD[5], Sophie Auriacombe, MD[6], Jean-Marc Orgogozo, MD, PhD[6], Jacques Hugon, MD, PhD[7], Peter Schmitt, PhD[8], Anne-Claire Coyne, PhD[8], Rodolphe Hajj, PhD[8], René Goedkoop, MD[8]

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P41: Phase 1 Study of a Novel Humanized Anti-Amyloid beta (Aβ) Aggregates Specific Antibody KHK6640 in Alzheimer's Disease

Marc Cantillon, MD[1], Louisa Wilson, MSc[2], Eri Ohta, PhD[1], Niels Prins, MD, PhD[3], Niels Andreasen, MD, PhD[4], Katsuyoshi Tsukii, MSc[1]

(1)Kyowa Kirin Pharmaceutical Development, Inc., USA (2) Kyowa Kirin Pharmaceutical Development, Ltd., UK (3) VUmc Alzheimer Center, Netherlands (4) Karolinska University Hospital, Sweden

P42: A Single Dose Study of a Novel Humanized Anti-Amyloid beta (Aβ) Aggregate Specific Antibody KHK6640 in Japanese Patients with Alzheimer's Disease.

Hiroyuki Shimada, MD, PhD[1], Kenichiro Sugiyama, Phar.B.[2], Yoshiumi Ouchi, MEng[2], Katsuyoshi Tsukii, MSc[3]

(1) Osaka city university hospital, Osaka, Japan (2) Kyowa Hakko Kirin Co., Ltd., Japan (3) Kyowa Kirin Pharmaceutical Development, Inc., USA

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Late Breaking Posters

LBP25: A Study to Evaluate Safety, Tolerability and Pharmacokinetics of AD-35 Tablets Taken Orally in Healthy Chinese Subjects

Cuibai Wei, PhD, MD[1], Jianping Jia, PhD, MD[1], Tingting Li, MS[1], Wei Wang, MD1, Tingting Hou, MD1, Xiu Wang, MD1, Hui Xu, MD1

(1) Department of Neurology, Xuan Wu Hospital, Capital Medical University, Beijing, P.R. China.

LBP26: The use of transdermal Rivastigmine in the treatment of Alzheimer's disease

Gustavo Alves Andrade dos Santos

SENAC University Center, São Paulo, Brazil

LBP27: Title: NILVAD: A phase III clinical trial of nilvadipine in mild to moderate Alzheimer's disease - results of subgroup analyses.

Michael Mullan, MBBS, PhD[1], Laila Abdullah, PhD[1], Fiona Crawford, PhD[1], Ricardo Segurado, PhD[2], Suzanne Hendrix, PhD[3], Brian Lawlor, MBBS[4]. The NILVAD consortium.

(1)Archer Pharmaceuticals, Sarasota, FL, USA ; (2) University College Dublin, Dublin, Ireland (3) Pentara Corporation, Salt Lake City, UT, USA (4) Trinity College Dublin, Dublin, Ireland

LBP28: Biomarker Outcomes from the Phase 1b/2a Safety Trial of the Anti-Aβ Oligomer Drug CT1812 in Alzheimer's Patients

Susan M. Catalano, PhD[1], Lon S Schneider, MD, MS[3], Steven DeKosky, MD[4], Roger Morgan, MD[5], Courtney Rehak[1], Kelsie Mozzoni[1], Nicholas J Izzo, PhD[1], Michael Grundman, MD, MPH[1,2], Michael Schirm, PhD[7], Rudolf Guilbaud, MSc[7], Daniel Chelsky, PhD[7]

(1) Cognition Therapeutics Inc., Pittsburgh, PA, USA (2) Global R&D Partners, LLC, San Diego, California USA (3) Keck School of Medicine of USC, Los Angeles, CA, USA (4) McKnight Brain Institute, University of Florida, Gainesville, FL, USA (5) MedSurgPI, LLC Raleigh, North Carolina, USA (6) Aclairo Pharmaceutical Development Group, Inc, Vienna, VA, USA (7) Caprion Biosciences, Inc., Montreal, Canada

LBP29: UB-311 active vaccine generates titers specific for Aβ oligomers and fibrils without evidence of ARIA-E or encephalopathy in a completed Phase 1 and an ongoing Phase 2a study in Alzheimer's disease.

Ajay. Verma[1], Paul Maruff2, A. Schembri[2], P. N. Wang[3], M. J. Chiu[4], C. C. Huang[5], C. C. Chang[6], H. C. Chen[1], P. Chang[1], C. Y. Wang[1]

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LBP30: Multiparameter Analyzes of Progression from Mild Cognitive Impairment to Alzheimer's Dementia: A 10 Year long-Term Follow-Up Study

Oliver Peters MD[1], Dominik Diesing MD[1], Stefan Klöppel MD[2], Johannes Kornhuber MD[3], Roberto Goya MD[4], Jens Wiltfang, MD[4], Isabella Heuser, MD, PhD[1]

(1) Department of Psychiatry, Charité, Berlin, Germany (2) Department of Psychiatry, Bern, Switzerland (3) Department of Psychiatry, Erlangen, Germany (4) Department of Psychiatry, Göttingen, Germany

LBP31: Single Ascending Dose Phase I clinical trial of PTI-125 in healthy volunteers

Lindsay H. Burns, PhD,[1] George J. Atiee, MD,[2] Michael Marsman, PharmD[1] and Nadav Friedmann, PhD, MD[1]

(1)Pain Therapeutics, Inc., Austin, TX (2)Worldwide Clinical Trials, San Antonio, TX

LBP32: Multiple Ascending Dose Study of the Tau-Directed Monoclonal Antibody BIIB092 in Patients with Progressive Supranuclear Palsy

Irfan Qureshi, MD[1] Michael Grundman, MD, MPH[2] Giridhar Tirucherai, PhD[1] Clifford Bechtold,MS[1] Michael Ahlijanian,PhD[1] Gerry Kolaitis, MS[1] Lawrence I. Golbe, MD[3] Lawrence S. Honig, MD, PhD[4] Stuart Isaacson, MD[5] Murray Grossman, MD EdD[6] Nikolaus R. McFarland, MD, PhD[7] Irene Litvan, MD[8] David S. Geldmacher,MD[9] Tao Xie,MD, PhD[10] Yvette Bordelon,MD, PhD[11] Paul Tuite, MD[12] Padraig O'Suilleabhain, MD[13] Theresa Zesiewicz, MD[14] Adam Boxer, MD, PhD[15]

(1)Bristol-Myers Squibb, Lawrenceville, NJ, USA and Wallingford, CT, USA (2)Global R&D Partners, LLC, San Diego, CA, USA (3)Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ, USA '4) Columbia University Medical Center, New York, NY, USA (5)Boca Raton Institute for Neurodegenerative Disorders, Boca Raton, FL, USA (6)University of Pennsylvania, Philadelphia, PA, USA (7) University of Florida, Gainesville, FL, USA (8) University of California, San Diego, CA, USA (9)University of Alabama at Birmingham, Birmingham, AL, USA (10) University of Chicago, Chicago, IL, USA (11)University of California, Los Angeles, CA, USA (12) University of Minnesota, Minneapolis, MN, USA (13)University of Texas Southwestern Medical Center, Dallas, TX, USA (14)University of South Florida, Tampa, FL, USA (15)University of California, San Francisco, CA, USA.

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Theme 11. New therapies and clinical trials

P114: A novel approach to the therapy of Alzheimer's disease based on peptide nanoliposome inhibitors of Aβ and tau aggregation

David Allsop, PhD[1,2], Mark Taylor, PhD[1,2], Nigel Fullwood, PhD[1], Maria Michael[1], Anthony Aggidis[1], Shoona Vincent, PhD[2], Mark Dale, MD[2]
(1). Division of Biomedical and Life Sciences, Faculty of Health and Medicine, Lancaster University, Lancaster, UK (2). Peptide Innovations Limited, Affiliated Company of MAC Research, Blackpool, UK

P115: Alzheimer's disease drug development pipeline: 2017

Jeffrey Cummings[1], Garam Lee[1], Travis Mortsdorf[2], Aaron Ritter[1], Kate Zhong[3]
(1)Cleveland Clinic Lou Ruvo Center for Brain Health, Las Vegas, NV, USA (2) Touro University Nevada, Henderson, NV, USA (3)Global Alzheimer Platform, Washington, D.C., USA

P116: The influence of a mobility training program on gait performance among healthy cognitive elderly people and people with MCI

Carine Federspiel, MD[1,2], Elisabeth Bourkel, PhD[1], Jean-Paul Steinmetz, PhD[1,2]
(1)Centre for memory and mobility, Luxembourg (2) ZithaSenior, Research&Development, Luxembourg

P117: Pre-clinical and first clinical data of an orally available amyloid beta oligomer eliminating compound that enhances cognition and impedes neurodegeneration in various Alzheimer's disease mouse models

Dieter Willbold[1,2], Janine Kutzsche[2], Manfred Windisch[3], Dagmar Jürgens[2]
(1) Institut für Physikalische Biologie, Heinrich-Heine-Universität, Düsseldorf, Germany (2) Institute of Complex Systems, ICS-6: Structural Biochemistry, Research Centre Jülich, Jülich, Germany (3) Neuroscios, Graz, Austria

P118: Informed Consent Ensuring Access to Anonymized Patient-Level Data and Biospecimen is Critical to Accelerating Innovative Alzheimer Disease Treatments

Stephen P. Arnerić, PhD[1], Penny A. Dacks, PhD[2], Ann Marie Hake, MD[3], James Hendrix, PhD[4], Monica Moreno[4], Lisa A. Gold, PhD[5], Dagmar Theis, PhD[6], Mark F. Gordon, M.D.[7], Volker D. Kern, PhD[1], George Vradenburg[8]
(1)Critical Path Institute, Tucson, AZ, USA (2) American Epilepsy Society, Chicago, IL, USA (3) Eli Lilly and Company, Indianapolis, IN, USA (4) Alzheimer's Association, Chicago, IL, USA (5) Merck, West Point, PA, USA (6) Boehringer-Ingelheim, Vienna, Austria (7) Advisor, CT, USA (8)USAgainstAlzheimer's, Washington, DC, USA

P119: Novel strategies against Alzheimer's Disease using induced human neuronal progenitors and neuronal cells

Ying Lei, PhD[1], Gang Li, MD, PhD[1], Ying Chen, PhD[2], Ge Gao, MD, PhD[2] and Jian Zhao, PhD[1]
(1) GMP Center of Stem Cell Engineering, Translational Medical Center for Stem Cell Therapy, Shanghai East Hospital, School of Medicine, Tongji University, Shanghai, China (2) IxCell Biotechnology Co., Ltd, Shanghai, China

P121: P38α kinase inhibition appears to lead to reduction in amyloid-beta generation in patients with Early Alzheimer's disease

Philip Scheltens MD PhD[1], Niels Prins MD PhD[1], Adriaan Lammertsma PhD[2], Maqsood Yaqub PhD[2], Hui-May Chu PhD[3], Bart van Berckel MD PhD[2], John Alam MD[4]
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P122: ACD678, A novel gamma-secretase modulator for the treatment of Alzheimer Disease

Bengt Winblad[1], Johan Lundkvist[2], Helena Karlström[1], Magnus Halldin[2], Johan Sandin[2], Gunnar Nordvall[2]
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POSTER PRESENTATIONS

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P123: Demonstration of blood-brain-barrier (BBB) penetration and brain target engagement for neflamapimod (p38α kinase inhibitor) in patients with early Alzheimer's disease (AD)

John Alam[1], Charlotte Teunissen[2]
(1) EIP Pharma LLC, Cambridge, MA, USA (2) Department of Clinical Chemistry, VU University Medical Center, Amsterdam, NL

P124: ACD855, development of a positive modulator of neurotrophin signaling for the treatment of Alzheimer's Disease

Pontus Forsell, PhD[1,2], PhD, Gunnar Nordvall[1,2], PhD, Johan Lundkvist[1,2], PhD, Magnus Halldin[1,2], PhD, Märta Dahlström[1,3], M.Sc. and Maria Eriksdotter[3,4], MD, Prof, and Johan Sandin[1,2] , PhD
(1) AlzeCure Foundation, Karolinska Institutet Science Park, Huddinge, Sweden (2) AlzeCure Pharma AB, Huddinge, Sweden (3) Dept of Neurobiology, Care Sciences and Society, Karolinska Institutet, Sweden (4) Dept Geriatric Medicine, Karolinska university hospital, Huddinge, Sweden

P125: Pharmacokinetics and Delivery to the Brain in Rats of P8, a Peptide Drug Candidate for the Treatment of Alzheimer's Disease

Nazneen N. Dewji[1,2], S. Jonathan Singer[1,3], Leah Hanson[4], William Frey[4], Bruce Morimoto[5], David Johnson[6], Daniel Dolan[6], Marc R. Azar[7]
(1) Cenna Biosciences Inc., La Jolla, CA, USA (2) Department of Medicine, UC San Diego, La Jolla, CA, USA (3) Division of Biological Sciences, UC San Diego, La Jolla, CA, USA (4) Health Partners Institute, St. Paul, MN, USA (5) Celerion Inc., USA (6) MicroConstants, San Diego, CA, USA(7) Behavioral Pharma, La Jolla, CA, USA

P126: The ABCA-1 agonist CS6253 that reverses apoE4-driven Alzheimer's disease brain phenotype and cognition decline lowers plasma Neurofilament-light concentrations.

Jan O Johansson[1], Anat Boehm-Cagan[2], Henrik Zetterberg[3,4,5,6], Kaj Blennow[3,4], John K. BIELICKI[7], Daniel M. Michaelson[2]
(1) Artery Therapeutics, Inc., San Ramon, CA; (2) Tel Aviv University, Tel Aviv, Israel; (3) Department of Psychiatry and Neurochemistry, (4) Institute of Neuroscience and Physiology, the Sahlgrenska Aacademy at the University of Gothenburg, Mölndal, Sweden; (5) Clinical Neurochemistry Laboratory, Sahlgrenska University Hospital, Mölndal, Sweden; (6) Department of Molecular Neuroscience, UCL Institute of Neurology, Queen Square, London, UK; UK Dementia Research Institute, London, UK; (7) UC Berkeley, Berkley, CA

P127: Novel modulators of molecular chaperone network for the treatment of Alzheimer Disease

Pavel Pavlov PhD, Bengt Winblad MD, PhD, Rajnish Kumar PhD
Karolinska Institutet, Dept of Neuroscience and Society, Div of Neurogeriatrics, Huddinge, Sweden

P128: Cerebral Energy Deficit in Mild to Moderate Alzheimer's Disease: Strategies to Increase Brain Fuel Supply

Christian-Alexandre Castellano, PhD[1], Etienne Croteau, PhD[1,2], Melanie Fortier, MSc[1], Christian Bocti, MD[1,3], Tamas Fulop, MD[1,3], Guy Lacombe, MD[1,3], Nancy Paquet, MD[4], Isabelle Dionne, PhD[1,5] and Stephen Cunnane, PhD[1,3].
(1) Research Center on Aging, CIUSSSE – CHUS, Sherbrooke, QC, Canada (2) Pharmacology-Physiology department, FMSS, University of Sherbrooke, QC, Canada (3) Medicine department, FMSS, University of Sherbrooke, QC, Canada (4) Nuclear medicine department, FMSS, University of Sherbrooke, QC, Canada (5) Faculty of physical education and sports, University of Sherbrooke, QC, Canada

P129: Pharmacokinetic and target engagement (TE) analysis of BIIB076 in cynomolgus monkeys

Weiping Chen, Julie Czerkowicz, Qin Wang, Danielle Graham
Biogen Inc. Cambridge. MA. USA

Late Breaking Posters

LBP15: SUVN-502 + Donepezil + Memantine (Triple combination) represents a promising new approach for symptomatic treatment of Alzheimer's disease.

Ramakrishna Nirogi, PhD[1], Renny Abraham, PhD[1], Vijay Benade, MS[1], Pradeep Jayarajan, PhD[1], KoteshwaraMudigonda, PhD[1], JyothsnaRavula, MS[1], Devender Reddy Ajjala,PhD[1], Ramasastry Kambhampati, PhD[1], Trinath Reddy Bandyala, PhD[1] and VenkatJasti MS[1].
(1) Discovery Research, Suven Life Sciences Ltd, Hyderabad, India

LBP16: Neuroprotective and trophic effects of Bacopa monniera extract protects against amyloid β-peptide and hydrogen peroxide-induced toxicity and oxidative stress

Manjeet Singh[1] and Charles Ramassamy[1]
(1) INRS- Institut Armand Frappier, Laval, Quebec, Canada

Wednesday, November 1 and Thursday, November 2

LBP17: Phase 1 Study of the Muscarinic M1 Positive Allosteric Modulator VU319 for Alzheimer's Disease: Exploration of Novel Markers of Target Engagement

Paul A Newhouse, MD[1], Alexandra Key, PhD[1,2], Alexander Conley, PhD[1], Robert Gould, PhD[3], Carrie Jones, PhD[3]

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LBP18: Efficacy and safety of the Chinese medicine SaiLuoTong in vascular dementia: A randomised, controlled, double-blind, parallel-arm trial

Jianping Jia[1,2,3,4,5]*, M. D., Ph. D., Cuibai Wei, M. D. [1], Shuoqi Chen, M. D. [1], Fangyu Li, M. D.1, Yi Tang, M. D. [1], Wei Qin, M. D.[1], Lu Shi, M. D[1], Min Gong, M. D.[1], Hui Xu, M. D[1], Fang Li, M. D.[6], Jia He, M. D.[7], Haiqing Song, M. D.[1], Shanshan Yang, M. D[8], Aihong Zhou, M. D[1], Fen Wang M. D.[1], Xiumei Zuo, M. D.[1], Changbiao Chu, M. D.[1], Junhua Liang, M. D.[1] Longfei Jia, M. D.[9], Serge Gauthier, M. D[10]

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LBP19: Increased immune signaling predicts mitigation in AD clinical outcomes – an alternate route to prevention.

John Breitner, MD, MPH *(1) Douglas Hospital Research Centre, Montreal, QC, Canada; (2) McGill University Faculty of Medicine*

LBP20: CHARACTERISTICS OF SLEEP AND WAKEFULNESS MEASURED WITH ACTIGRAPHY IN PATIENTS WITH IRREGULAR SLEEP-WAKE RHYTHM DISORDER AND ALZHEIMER'S DISEASE.

Margaret Moline, PhD[1], Patricia Murphy, PhD[1], Gleb Filippov, MD, PhD[1], Naoki Kubota, MPharm[2], Mohammad Bsharat, PhD[1], Manuel Kemethofer, MSc[3], Andrew Satlin, MD[1]

(1) Eisai, Inc., Woodcliff Lake, NJ, USA (2) Eisai Co., Ltd. Tokyo, Japan (3) The Siesta Group, Vienna, Austria

LBP21: MULTIPLE ASCENDING DOSE STUDY WITH A PRODRUG OF GALANTAMINE: A PHARMACO-EEG ANALYSIS WITH EVIDENCE OF POSITIVE EFFECTS ON COGNITION.

D.G. Kay PhD[1], E t'Hart PhD[2], C. Bakker MD [2], A. Maelicke PhD[1,3], Sonja Simpraga[4], Klaus Linkenkaer-Hansen[4,5], Simon-Shlomo Poil[5], G.J. Groeneveld MD PhD[2],

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LBP23: Matrix therapy, a novel approach for Alzheimer's disease and related tauopathies

Dulce Papy-Garcia, PhD[1] Growth, Repair and Regeneration of Tissues Research Unit (CRRET)-CNRS 9215, Université Paris Est Créteil, Créteil, France Mohand-Ouidir Ouidja, PhD[1] ; Fernando Sineriz, PhD[2], Denis Barritault, PhD[3]

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LBP24: ALLOPREGNANOLONE AS A REGENERATIVE THERAPEUTIC FOR ALZHEIMER'S DISEASE: PHASE 1B/2A OUTCOMES

Roberta Diaz Brinton, PhD[1], Gerson Hernandez, MD[2], Christine Solinsky, PharmD[3], Meng Law, MD[4], Yonggang Shi, PhD[5], Dogu Aydogan, Ph.D.[6], Jin Gahm, PhD[7], Wendy Mack, PhD[8], Naoko Kono, MPH[9], Kathleen Rodgers, PhD[10], Claudia Lopez[11], Ronald Irwin, PhD[12], Michael Rogawaski, MD[13], Chun-Yi Wu, PhD[14], Lon Schneider, MD[15],

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Friday, November 3 and Saturday, November 4

Theme 3. Clinical trials: Imaging

P43: France adopts a 3D diagnosis strategy for its National Alzheimer databank – An optimization of patient selection for clinical trials

Pierre Krolak-Salmon[1], MD, PhD, Philippe Robert[2] MD, PhD, Eric Assemat[3], MD, Claudine Berr[4 8], PhD, Mathieu Ceccaldi[5], MD, PhD, Bruno Dubois[6], MD, PhD, Stephane Epelbaum[6], MD, PhD, Bruno Vellas[7], MD, PhD, Audrey Gabelle[8], MD, PhD

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P44: Divergent topological networks of grey and white matter in Alzheimer's disease: A diffusion kurtosis imaging analysis

Jun Xu [1], Hongying Zhang[2], Jiaxing Cheng[1]

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P45: Impact of two distinct MRI parallel imaging implementations on hippocampal volume estimates obtained from two methodologically different methods

Oliver Peters, MD[1], Per Suppa[2,3], Catharina Lange, MSc[3], Ralph Buchert, PhD[4], Lothar Spies, PhD[2], Isabella Heuser, MD, PhD[1]

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P46: MRI markers of neurodegeneration in preclinical Alzheimer's disease

Adam J. Schwarz, PhD[1], Michael G. Case, MS[1], Peter F. Castelluccio, MS[1], AnnCatherine M. Downing, PharmD[1], John R. Sims, MD[1], James B. Brewer, MD, PhD[2], Anja Soldan, PhD[3], Corrine A. Pettigrew, PhD[3], Marilyn Albert, PhD[3]

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P47: FDA Qualification of Intracranial Adjusted Hippocampal Volumetric Magnetic Resonance Imaging (ICV-HV vMRI) as a Prognostic Biomarker for Pre-Dementia Clinical Trials for Alzheimer disease Therapeutics

Daniela J. Conrado, PhD[1], Klaus Romero, MS, MD[1], Derek L. Hill, PhD[2], Patricia Cole, MD, PhD[3], Dawn Matthews, PhD[4], Gerald Novak, MD[5], Volker D. Kern, PhD[1], Robin Wolz, PhD[2], Richard Meibach, PhD[6], Jackson Burton, PhD[1], Brian Corrigan, PhD[7], Timothy Nicholas, PhD[7], Danny Chen, PhD[7], Julie Stone, PhD[8], Vikram Sinha, PhD[8], Brian Willis, PhD[9], Wenping Wang, PhD[6], Stephen P. Arnerić, PhD[1]

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P48: Cerebral Atrophy in Alzheimer's Disease Patients: Effect of Combined Therapy Between the Cholinesterase Inhibitor Donezepil and the Cholinergic Precursor, Choline Alphoscerate

Enea Traini, PhD[1], Anna Carotenuto, PhD[1,2], Angiola Maria Fasanaro, MD[2], Francesco Amenta, MD[1]

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P49: Cerebral hypoperfusion is not associated with an increase in β-amyloid pathology.

Ruben Smith, MD, PhD [1,2], Sebastian Palmqvist, MD, PhD [1,2], Hanna Ljung, MS[2,3], Tobias Cronberg, MD, PhD [2,3], Danielle van Westen, MD, PhD [4] and Oskar Hansson, MD, PhD[1,5]

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P50: Optimized detection of disease and treatment effect in preclinical and prodromal autosomal dominant Alzheimer's disease with imaging biomarkers

Dawn C Matthews MS MM[1], Ana S Lukic PhD[1], Randolph D Andrews MS[1], Miles N Wernick PhD[1,2], Stephen C Strother PhD[1,3], Tammie L S Benzinger MD PhD[4,5], Dominantly Inherited Alzheimer Network

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P51: Cognitive Function and Prevalence of Amyloid Pathology in Frail Adults – The COGFRAIL Study

Sourdet S, MD[1], Soriano G, RD[1], Steinmeyer Z, MD[1], Delrieu J, MD[1], Ousset PJ, MD[1] , Vellas B, MD, PhD[1].
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P52: Hippocampal volume is weakly associated with amyloid beta levels in asymptomatic individuals at risk for Alzheimer's disease: findings from the CHARIOT-PRO Sub-Study

Derrek P. Hibar[1], Ziad Saad[1], Hartmuth Kolb1, Gerald Novak[2], Nzeera Ketter[2], Nandini Raghavan[2], Chi Udeh-Momoh[3], Nina Mansoor[3], Michael Ropacki[4], Sherry Meeh[2], Robert Perneczky[3], Steve Einstein[2], Gary Romano[2] and Lefkos Middleton[3]
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P53: Impact on Sample Size and Screening Using Amyloid Visual Read versus Quantitative Values for Inclusion

Donald G. McLaren, PhD[1], Felix Carbonell, PhD[1], Alex P. Zijdenbos, PhD[1], Barry J. Bedell, MD,PhD[1,2]
(1) Biospective Inc., Montreal, Quebec, Canada (2) McGill University, Montreal, Quebec, Canada

P54: Automated voxel-based Tau PET quantitation in early Alzheimer's Disease: Association of hippocampus masked SUVR with baseline cognition

Arthur Mikhno, PhD[1], Janos Redei, MD, PhD[1], J John Mann, MD[2,3], Ramin Parsey, MD, PhD[4]
(1) i2Dx, Inc., San Francisco, CA, USA (2) Columbia University, New York, NY, USA (3) New York State Psychiatric Institute, New York, NY, USA (4) Stony Brook University, Stony Brook, NY, USA

P55: Inter and Intra PET Scanner Variability in Multi-Center Clinical Trials Using the Hoffman Phantom

Katarzyna Adamczuk, PhD[1], Beth Gorman, BS CNMT[2], Maureen Runkle, BS CNMT[2], Nicolas Pannetier, PhD[1], David Scott, PhD[1], Joyce Suhy, PhD1
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Late Breaking Posters

LBP35: CROSS-SECTIONAL ASSOCIATIONS BETWEEN TAU PATHOLOGY BURDEN MEASURED BY [18F]GTP1 PET IMAGING AND COGNITION IN AD

Michael Ward, PhD[1], Sandra Sanabria Bohorquez, PhD[2], Paul T. Manser[3], PhD, Edmond Teng, MD PhD[1], Gai Ayalon, PhD[4], Kristin R. Wildsmith, PhD[5], Geoffrey A. Kerchner, MD PhD[1], Robby M Weimer, PhD[6]
(1) Early Clinical Development, (2) Clinical Imaging Group, (3) Biostatistics, (4) Department of Neuroscience, (5) Biomarker Development, (6) Department of Biomedical Imaging; all Genentech, Inc., South San Francisco, CA, USA

LBP36: Retinal Hyperspectral Imaging for Early Diagnosis of Alzheimer's Disease

Swati S. More, James M. Beach, Robert Vince
Center for Drug Design, Academic Health Center, University of Minnesota, Minneapolis, MN

LBP37: Simplified Non-Invasive Tracer Kinetic Analysis for 18F-Florbetaben PET using a Dual Time-Window acquisition protocol

Andrew W. Stephens, MD, PhD [(1)], Henryk Barthel, MD, PhD [(2)], Santiago Bullich, PhD [(1)], Norman Koglin, PhD [(1)], Georg A. Becker, PhD [(2)], Aleksandar Jovalekic, PhD [(1)], Susan De Santi, PhD [(3)], Osama Sabri, MD, PhD [(2)]
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LBP38: Voxel-wise determination of thresholds for amyloid and tau positivity using PET may improve the population enrichment of clinical trials

Tharick A. Pascoal MD[1,2,3], Sulantha Mathotaarachchi MSc[1], Min Su Kang BSc[1,2,3], Joseph Ththerriault[1], Monica Shin MSc[1], Andrea L. Benedet MSc[1,2,3], Sara Mohades BSc[1], Jean-Paul Soucy MD, MSc[3,4], Serge Gauthier MD, FRCPC[1], and Pedro Rosa-Neto MD, PhD*[1,2,3] for the Alzheimer's Disease Neuroimaging Initiative**
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Theme 4. Clinical trials: Biomarkers including plasma

P56: Development of computational tools to improve the design of clinical trials of possible therapies for Alzheimer's disease

Christoforos Hadjichrysanthou, PhD[1], Alison Ower, MSc[1], Stephanie Evans, PhD1, Kevin McRae-McKee, MSc[1], Mei Mei Wong, PhD[1], Frank de Wolf, MD, PhD[1,2], Roy M. Anderson, PhD[1]

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P57: PiB-PET as a standard for evaluating the clinical accuracy of diagnosing the clinical diagnosis of Alzheimer's disease with plasma biomarkers

Che-Chuan Yang, PhD[1], Ming-Jang Chiu, MD, PhD,[2], Ta-Fu Chen, MD, PhD[2] and Shieh-Yueh Yang, PhD[1]

(1)MagQu Co., Ltd., New Taipei City, Taiwan (2) Department of Neurology, National Taiwan University of Hospital, College of Medicine, National Taiwan University, , Taiwan

P58: A cross-validation study on plasma biomarker detection in clinical practice for diagnosing Alzheimer's disease

Ming-Jang Chiu, MD[1]+, Ta-Fu Chen, MD[1], Chaur-Jong Hu, MD[2], Sui-Hing Yan, MD[3], Yu Sun, MD[4], Bing-Hsien Liu, PhD[5], Yun-Tsui Chang, MS[5], Che-Chuan Yang, PhD,[5] and Shieh-Yueh Yang, PhD[5]

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P59: Brain ABCA-1 activity and ApoE lipidation are reduced in APOE4 and with cognitive impairment.

H.N. YASSINE[1], V. RAWAT[1], A. BOEHM-CAGAN[2], A. N. FONTEH[3], J. JOHANSSON[4], J. BIELICKI[5], H. C. CHUI, D. M. MICHAELSON[6], M. G. HARRINGTON[3]

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P60: Analysis of Macular thickness and retinal nerve fiber layer by using of spectrum domain-optical coherence tomography in patients with Alzheimer's disease and amnestic mild cognitive impairment

Kyung-Hoon Shin, MD[1], Do-Gyun Kim, MD, PhD[2], Bon D Ku, MD[3],

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P61: Levels of cerebrospinal fluid biomarkers total tau and phosphorylated tau do not predict survival time after diagnosis of Alzheimer's disease – An 18-year follow-up

Carina Wattmo, RN, BSc, PhD[1], Kaj Blennow, MD, PhD[2], Lennart Minthon, MD, PhD[1], Oskar Hansson, MD, PhD[1]

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P62: An Amyloid Blood Biomarker for Preclinical Alzheimer's Disease

Klaus Gerwert, Prof., PhD[1], Andreas Nabers,PhD[1], Julia Lange[1], Jonas Schartner, PhD[1], Jörn Güldenhaupt, PhD[1]

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P63: Effects of APOE4 on neuroimaging, biomarkers and clinical characteristics of prodromal Alzheimer's disease

Niklas Mattsson, MD, PhD[1,2,3], Oscar Eriksson, MD[1], Olof Lindberg, PhD[1], Michael Schöll, PhD[1,4], Björn Lampinen, PhD[5], Markus Nilsson, PhD[6], Philip S. Insel1,[7,8], Ronald Lautner, MD[9,10], Olof Strandberg, PhD[1], Danielle van Westen, MD, PhD[6], Henrik Zetterberg, MD, PhD[9,10,11], Kaj Blennow, MD, PhD[9,10], Sebastian Palmqvist, MD, PhD[1,3], Erik Stomrud, MD, PhD[1,2], Oskar Hansson, MD, PhD[1,2]

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P64: Low Total Aβ42/40 Plasma Ration in MCI Patients is Associated with a FDG-PET Pattern Suggestive of AD and Predicts Progression to Dementia.

Virginia Pérez-Grijalba[1], Judith Romero1, Pedro Pesin[1], Leticia Sarasa[1], Itziar San-José[1], Javier Arbizu[2], Lluis Tárraga[3], Agustín Ruiz[3], Mercé Boada[3], Manuel Sarasa[1] and The AB255 Araclon Group[4].

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P65: Beta Amyloid Anti-Oligomer Action of ALZ-801 and Clinical Dose Translation Analyses Support Confirmatory Phase 3 Program in Alzheimer's Disease

J.A. HEY, PhD[1], P. KOCIS, PhD[1], S. ABUSHAKRA, MD[1], J. YU, MD, PhD[1], A. POWER, MD[1], K. BLENNOW, MD[2], M. TOLAR, MD, PhD[1]

(1)Alzheon Inc., Framingham, MA, USA; 2University of Gothenburg, Molndal, Sweden

P66: Elecsys CSF Biomarkers Predict Clinical and Cognitive Outcomes

Chengjie Xiong[1,2,3,4], PhD, Dean Coble[1,2], PhD, Julia D. Gray[2,3], BS, Elizabeth Grant[1,2], PhD, Lena McCue[1,2], PhD, John C. Morris[2,3], MD, Jason Hassenstab[2,3], PhD, Richard Batrla[5], MD, Udo Eichenlaub[6], PhD, Katharina Zink[6], MSc, Sandra Rutz[6], PhD, Marian Quan[7], BS, MBA, Anne M. Fagan[2,3], PhD

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P67: The evaluation of novel monoclonal antibodies targeting different forms of Neurofilament Light in brain and CSF

Ann De Vos, PhD[1], Dirk Jacobs, Eng[1], Nele Dewit, BSc[1], Carola Schipke, MD, PhD[2], Oliver Peters, MD, PhD[2], Eugeen Vanmechelen, PhD[1]

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P69: Conversion prevalence among pre-dementia AD patients and risk factors

Beatrice Blanc, PhD[2,3], Nicolas Pelletier PhD[1,2], Clotilde Biscarrat[1], Pauline Martinasso[1], Samantha Galluzzi, MD[4] Moira Marizzoni PhD[4], Jorge Jovicich PhD[4,6], Giovanni B. Frisoni MD[4,5], Gianluidgi Forloni PhD[7], Diego Albani MSc[7], Jill Richardson PhD[8], Lucilla Parnetti MD, PhD[9], Magda Tsolaki MD, PhD[10], Flavio Nobili MD[11], David Bartrez-Faz PhD[12], Mira Didic MD[13], Peter Schoenknecht MD[14], Pierre Payoux, MD, PhD[14], Andrea Soricelli MD[16], Paolo M Rossini MD, PhD[17], Pieter Jelle Visser MD[18], Regis Bordet MD, PhD[19], Ute Fiedler PhD[20], Olivier Blin MD, PhD[21], Joëlle Micallef[22], Laura Lanteaume[22], Nathalie Sambuchi, PhD[23], Isabelle Muraccioli[23], Elizabeth Jouve[22], Bernard Michel, MD, PhD[23], Nathalie Compagnone, PhD[1,2,3]

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P70: Sex-specific changes in levels of circulating brain-enriched microRNAs during normal aging and different stages of Alzheimer's disease

Kira Sheinerman, PhD[1], Anne Fagan, PhD[2], Elizabeth Grant, PhD[2], Aabhas Mathur[3], Debra Kessler, RN[3], Beth Shaz, MD[3], Jon Toledo, MD, PhD[4], David Wolk, MD[4], John Trojanowski, MD, PhD[4], Vladimir Tsivinsky, PhD[1], Samuil Umansky, MD, PhD[1]

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P71: European validation of the PLM-scale, a cerebrospinal fluid biological scale for positive Alzheimer's disease diagnosis.

Audrey Gabelle[1], Sebastiaan Engelborgh[2], Koen Poesen[3], Panos Alexopoulos[4], Martin Vynhalek[5], Julien Dumurgier[6], Vincent De la Sayette[7], Susanna Schraen[8], Stéphanie Bombois[9], Mathilde Sauvée[10], Jean-Louis Laplanche[11], Jakub Hort[5], J. Hugon[6], F. Pasquier[9], Alzheimer's Disease Neuroimaging Initative, Sylvain Lehmann[12]* and Claire Paquet6*

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P72: Elecsys® Total-Tau CSF and Elecsys® Phospho-Tau (181P) CSF: novel, fully automated immunoassays for rapid and accurate quantitation of CSF biomarkers for clinical use

Valeria Lifke, PhD[1], Ekaterina Manuilova, MSc1, Christian Knop, PhD[1], Tobias Selle, PhD[1], Werner Kraus, PhD[1], Tobias Oelschlaegel, PhD[1], Lars Hillringhaus, PhD[1]

(1) Roche Diagnostics GmbH, Penzberg, Germany.

P73: Concordance of the Elecsys® β-Amyloid (1-42) (Abeta42) cerebrospinal fluid (CSF), Total-Tau CSF (tTau) and Phospho-Tau (181P) CSF (pTau) immunoassays with amyloid-PET, and their association with clinical progression of Alzheimer's disease.

Leslie M. Shaw, PhD[1], Kaj Blennow, MD, PhD[2], Niklas Mattsson, MD PhD[3], John Seibyl, MD[4], Michal Figurski, PhD[1], John Q. Trojanowski, MD, PhD[1], Katharina Buck, PhD[5], Christina Rabe, PhD[5], Udo Eichenlaub, PhD[6], Sandra Rutz, PhD[6], Monika Widmann, ChTech[7], Maryline Simon, PhD[8], Oskar Hansson, MD PhD[3]

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P74: Crenezumab pharmacokinetic-pharmacodynamic analysis to describe the increase in total plasma amyloid beta (Aβ) following treatment in patients with mild to moderate Alzheimer's disease

Kenta Yoshida[1], Anita Moein[1], Tobias Bittner[2], Lee Honigberg[1], Jin Y Jin[1], Angelica Quartino[1]

(1) Genentech, Inc., a member of the Roche Group, South San Francisco, CA, USA (2) F. Hoffman-La Roche AG, Basel, Switzerland

P75: HGF is Associated with Decreased Subcortical Gray Matter and Hippocampal Volumes on MRI in Young and Middle-Aged Adults

Mekala R. Raman PhD[1,2], Jayandra J. Himali PhD[1,2,3], Sarah C. Conner MPH[2,3],Charles DeCarli[5] MD, Ramachandran S. Vasan, MD[2,5], Alexa Beiser PhD[1,2,3] Sudha Seshadri MD[1,2], Claudia L. Satizabal PhD[1,2]

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P76: CSF and genetic biomarkers in MCI and AD subjects in J-ADNI for predicting future outcome.

Kazushi Suzuki[1], Ryoko Ihara[1], Atsushi Iwata[1], Takeshi Iwatsubo[1], Hiroyuki Arai[2], Kenji Ishii[3], Michio Senda[4], Kengo Ito[5], Takeshi Ikeuchi[6], Ryozo Kuwano[6], Hiroshi Matsuda[7], for the Japanese ADNI

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P77: Concordance between in vivo amyloid imaging and CSF AD biomarkers measured by the automated LUMIPULSE G assay platform

Anne M. Fagan, PhD[1], Julia Gray, BS[1], Courtney Sutphen, BS[1], Amanze Orusakwe, BS[2], Gina Jerome, MS[1], CJ Traynham, PhD[2], Manu Vandijck, MD[3], Zivjena Vucetic, MD, Ph2[3], Ryan Gailey, MBA[2], John Lawson, BS, MT (ASCP)[2], Brian Gordon, PhD[4], Tammie Benzinger, MD, PhD[4], David Holtzman, MD[1], John C. Morris, MD[1]

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Late Breaking Posters

LBP39: Neuroimaging markers of cerebrovascular disease predict cognitive impairment, brain atrophy and dementia in a cohort of community dwelling elders

Tammy M. Scott PhD[1,2], Rafeeque A. Bhadelia MD[3], and Irwin H. Rosenberg MD[1,2]

(1)Jean Mayer USDA Human Nutrition Research Center on Aging; (2)Friedman School of Nutrition Science and Policy; (3)Harvard Medical School

LBP40: Measurement of the kinetic behavior of newly generated BACE1-cleaved APP in the human central nervous system in Alzheimer's disease: initial proof-of-concept

Robert J. Vassar, PhD[1], Randall J. Bateman, MD[2], Bruce W. Patterson, PhD[3], Justyna A. Dobrowolska Zakaria, PhD[1]

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LBP41: High Serum Levels of Malondialdehyde and 8-OHdG are both Associated with Early Cognitive Impairment in Patients with Acute Ischemic Stroke

Jincai He[1], PhD, Zhihua Liu[1], Yuntao Liu1, Xinjie Tu[1], Huiping Shen[1], Huihua Qiu[1], Huijun Chen[1]

(1) Department of Neurology, the First Affiliated Hospital of Wenzhou Medical University, Wenzhou, China

LBP42: Analytical Performance of the Lumipulse® G β-Amyloid1-42 assay: Measurement of Within-Lab Precision and CSF Sample Stability.

Robert A. Rissman, PhD[1], Louise Monte, MS[1], Floyd Sarsoza, BS[1], Amanze Orusakwe, B.S.[2], Manu Vandijck, MD[3], Ryan Gailey, MBA[4], John Lawson, B.S., M.T. (ASCP)[2], CJ Traynham, PhD[2], Zivjena Vucetic, MD, PhD[2]

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LBP43: Utility of Event Related Potentials in a Memory Disorders Clinic

Katherine Turk, MD[1,2], Cheongmin Suh[1], Prayerna Uppal[1], August Price[1,3], Ala'a El-Shaar MS[1], Andrew E. Budson, MD[1,2]

(1)Center for Translational and Cognitive Neuroscience, VA Boston Heathcare System (2)Department of Neurology, Boston University School of Medicine (3) William James College

LBP44: Analysis of Sex/Genotype Interactions in Baseline EXPEDITION3 Data

Valerie Bruemmer, MD[1], Helen M Hochstetler, PharmD[1], Melissa Anna Maria Pugh, PhD, MS[1], Sara Kollack-Walker, PhD[1]

(1) Eli Lilly and Company, Indianapolis, IN, USA

LBP45: Central laboratory validation and performance assessment of new automated Ab1-42 and Total tau immunoassays

Didier Pitsi, PharmD, PhD[1], Joachim Vandroemme, PhD[2], Walter Hofer, BSc[2], Els Decoster, PhD[3], Astrid Coppens, PharmD, DCP[2]

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LBP46: Application of the revised diagnostic criteria for the early stages of Alzheimer's disease to the LipiDiDiet study population

Tobias Hartmann, PhD1,2, Kaj Blennow, PhD[3,4], Pieter Jelle Visser, PhD[5,6], Alina Solomon, MD, PhD[7,8,9], Suzanne B Hendrix, PhD[10], Miia Kivipelto, MD, PhD[7,8,9], Hilkka Soininen, MD, PhD[7,11] on behalf of the LipiDiDiet clinical study group

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Theme 5. Clinical trials: Cognitive and functional endpoints

P78: Short-term repeat cognitive testing and its relationship to hippocampal volumes in older adults

Kevin Duff PhD[1], Jeff Anderson MD PhD[2], Atul Mallik MD PhD[2], Kayla R. Suhrie BS[1], Bonnie C. Allred Dalley BS1, Taylor J. Atkinson BA[1], & John M. Hoffman MD[2,3]

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P79: Development and validation of a short version of the Amsterdam IADL Questionnaire: a potential functional outcome measure for clinical trials

Roos J Jutten, MSc[1], Carel FW Peeters, PhD[2], Sophie MJ Leijdesdorff, MSc[3], Pieter Jelle Visser, MD, PhD[1,4], Andrea B Maier, MD, PhD[5,6], Caroline B Terwee, PhD[2], Philip Scheltens, MD, PhD[1] Sietske AM Sikkes, PhD[1,2]

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P80: Expanding the Brief Assessment of Cognition (BAC-App) for assessment of cognition in aging: Preliminary normative data and sensitivity to subjective cognitive decline

Alexandra S. Atkins, PhD[1], Anzalee Khan PhD[1,2], Ioan Stroescu PhD1, Kathleen A. Welsh-Bohmer PhD[3], Brenda L. Plassman PhD[3], Christopher Randolph, PhD[4], John Harrison PhD[5,6], Adam W. Vaughn, PhD[1], Dañela Balentin, MA[1], Dean Holbert, BA[1], Caty Hooks, MSW[1], & Richard S.E. Keefe, PhD[1,7]

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P81: Extracting digital biomarkers of sleep from 3-axis accelerometry using Deep Learning

Robin Wolz, PhD[1,2], Janet Munro, MBBS Mphil MRCPsych, Ricardo Guerrero, PhD[1,2], Derek Hill, PhD1, Yves Dauvilliers, MD PhD[3]

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P82: Assessing the Potential of Patient Dependence Levels as a Treatment Outcome – Insights from EXPEDITION3

Daniel E. Ball, DrPH[1], J. Scott Andrews, PharmD[1], Wenyu Ye, PhD[1], Ann M. Hake, MD1, Helen M. Hochstetler, PharmD[1], Brandy R. Matthews, MD[1], Kristin K. Wrobleski, PhD[1]

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P83: Maximum Walking Speed, Physical Activity, and AD Biomarkers: Results from the Harvard Aging Brain Study

Dylan R. Kirn, MPH[1], Rachel Buckley, PhD[1,3,4,5], Bernard Hanseeuw[1], Hannah M. Klein[1], Dorene M. Rentz, PsyD[1,2], Reisa A. Sperling, MD MMSc[1,2,3], Keith A. Johnson, MD[1,2,3]

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P84: Providing Culturally Sensitive Training and Monitoring to Clinicians Administering Functional Assessments in Dementia Global Trials

Magdalena Perez[1], Julie Marsh[1], Chris Brady[1], Patricia Belchior[2], Isabelle Gelinas[3], Christelle Giroudet[4], Caroline Anfray[4], Shuhong Zhao[1]

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P85: Gaining Efficiencies in Prevention Trial Design: Sample Size Projections across Categorical and Continuous Cognitive Endpoints

Rebecca L. Koscik, PhD [1], Erin M. Jonaitis, PhD [1], Bruce P. Hermann, PhD [1,2], Lindsay R. Clark, PhD, [3,1], Cindy M. Carlsson, MD, MS, [3,1], Sterling C. Johnson, PhD [3,1]

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P86: LONGITUDINAL DATA MODELING: AN APPROACH TO ENABLE THE PREDICTION OF BIOMARKER TRAJECTORIES FOR ALZHEIMER'S DISEASE

Meemansa Sood, M.Sc.[1, 2], Sven Hodapp, M.Sc.[1], Anandhi Iyappan, M.Sc.[1, 2], Marc Jacobs, PhD [1], Prof. Martin Hofmann-Apitius [1, 2]

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Late Breaking Posters

LBP47: Exploring the Utility of the Digital Clock Drawing Test in Capturing Subtle Cognitive Changes and Biomarker Evidence at the Preclinical Stage of Alzheimer's Disease

Dorene M. Rentz, PsyD[1,2], Kathryn V. Papp, PhD[1,2], Irina Orlovsky, MA[2], William Souillard-Mandar[5], Dana Penney, PhD[3,4], Randall Davis, PhD[3], Keith A. Johnson, MD[1,2,5]

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LBP48: Clinical meaningfulness of Clinician's Interview-Based Impression of Change Plus Caregiver Input (CIBIC-Plus) scale in relation to goal attainment in participants on cholinesterase inhibitors

Susan E Howlett, PhD[1,2,3], Justin Stanley, BSc[1], Helen Wong, MSc[1], Arnold Mitnitski, PhD[1,2], Kenneth Rockwood, MD[1,2]

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LBP49: Assessment of iADL functioning in individuals with subjective cognitive decline using the Virtual Reality Functional Capacity Assessment Tool (VRFCAT)

Alexandra S. Atkins, PhD[1], Anzalee Khan PhD[1,2], Ioan Stroescu PhD[1], Kathleen A. Welsh-Bohmer PhD[3], Brenda L. Plassman PhD[3], Adam W. Vaughan, PhD[1], Dañela Balentin, MA[1] & Richard S.E. Keefe, PhD[1,4]

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Theme 6. Cognitive assessment and clinical trials

P87: Use of the CVLT-II as a pre-screening tool to reduce screen fails in MCI clinical trials.

Marieke Cajal, PhD[1], Lauren Trottier, MS, CSP[1], Katherine Kruczek, MS[1], Pamela Voccia[1], Katy Smith, MS, CSP[1], Craig Curtis, MD[1], Ira Goodman, MD1

(1) Compass Research – Bioclinica, Orlando, FL, USA

P88: Enriching Participant Eligibility for Early AD Clinical Trials through Computerized Pre-Screening for Episodic Memory Deficit

Kenton Zavitz, Rosemary Abbott, Francesca Cormack, Pasquale Dente, Jennifer H Barnett

Cambridge Cognition, Cambridge, UK

P89: An Objective Clinical Vocabulary for the Temporal Unfolding of AD Biomarkers: Stages of Objective Memory Impairment

Ellen Grober, PhD [(1)] Amy E. Veroff, PhD [(2)]

(1) Department of Neurology, Albert Einstein College of Medicine, Bronx, NY, USA (2) Consultant, Bethesda, Maryland, USA

P90: Object and scene memory are differentially associated with CSF markers of Alzheimer's Disease and MRI volumetry

David Berron[1,2], Hartmut Schütze1, Arturo Cardenas-Blanco[2], Klaus Fliessbach[4,5], Michael Wagner[4,5], Annika Spottke[5], Martin Reuter[5,17,18], Stefan Teipel[6,7], Katharina Bürger[9,10]; Schneider, Anja[4,5]; Oliver Peters[11,12]; Peter Nestor[2]; Josef Priller[11,12]; Jens Wiltfang[13,14]; Christoph Laske[15,16]; Frank Jessen[4,8], Emrah Düzel[1,2,3], and the DELCODE consortium

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P91: Effectiveness of Rater Training and Data Surveillance in Alzheimer's Disease (AD) Clinical Trials

Rolana Avrumson, MS[1], Melissa A. Carbo, MS[2], Henry J. Riordan, PhD[2], Michael F. Murphy, M.D., PhD[2], Neal R. Cutler, M.D.[1]
(1)Worldwide Clinical Trials, Beverly Hills, CA (2) Worldwide Clinical Trials, King of Prussia, PA

P92: Diagnostic value of a cognitive battery for assessing cognitive decline

A. Nidos[1], D. Kasselimis[2], K. Zavitz[3], F. Cormack[3]
(1) Neurological Clinic – Department of Neuropsychology, Metropolitan Hospital (2) 1st Neurology Department, National and Kapodistrian University of Athens (3) Cambridge Cognition

Late Breaking Posters

LBP50: Breadth and Depth of Working Memory and Executive Function Impairment in Mild Cognitive Impairment

Terry E. Goldberg, PhD[1] and Jesus Gomar, PhD[2]
(1)Geriatric Psychiatry, Columbia University Medical Center, NYC, NY (2)Litwin Zucker Alzheimer's Center, Manhasset, NY

LBP51: The Early AD/ MCI Alzheimer's Cognitive Composite (EMACC): Development and preliminary validation across four longitudinal cohorts of a cognitive endpoint for clinical trials in the MCI and Early AD stage of disease.

Judith Jaeger, PhD[1], Clint Hagen, MS[2], Henrik Loft, PhD[3], Yen Ying Lim, PhD[4], Andrew Aschenbrenner, PhD[5], Marta Segerdahl, MD, PhD[3], Gary Tong, MD, PhD[3], Michelle Mielke, PhD[2], Jason Hassenstab[5], PhD, Nikki Stricker, PhD[2]
(1)Albert Einstein College of Medicine, Bronx, NY and CognitionMetrics, LLC, Wilmington, DE, USA (2)Mayo Clinic, Rochester, MN, USA (3)H.Lundbeck A/S, Valby, Denmark (4) The Florey Institute of Neuroscience and Mental Health, Parkville, Victoria, Australia (5) Washington University in St. Louis, St. Louis, MO

LBP52: A comparison of in-person and web-based computerised cognitive testing using CANTAB

Francesca Cormack[1], Rosa Backx[1], Jack Cotter[1], Nick Taptiklis1, Lucie de Cock[1,2], Kenton Zavitz[1], Jennifer H. Barnett[1,3]
(1)Cambridge Cognition, Cambridge, UK (2)Department of Pharmacology, University of Cambridge, UK (3)Department of Psychiatry, University of Cambridge, UK

LBP53: Automated voice-based testing: applications in recruitment of patients in clinical trials

Nick Taptiklis[1], Francesca Cormack PhD[1,2], Jennifer H Barnett PhD[1,2]
(1)Cambridge Cognition, Cambridge, UK (2)Department of Psychiatry, University of Cambridge, UK

LBP54: Use of the International Shopping List Test as the objective assessment of cognitive impairment to identify subjects with early Alzheimer's disease in the Eisai elenbecestat MissionAD phase 3 clinical trials

Bruce Albala, PhD[1], Michelle Gee, PhD[2], Adrian Schembri, PsyD[3], Paul Maruff, PhD[3]
(1) Eisai Inc., Woodcliff Lake, New Jersey, USA (2) Eisai Ltd, Hatfield, UK (3) Cogstate Ltd., Melbourne, Australia

LBP55: Assessing risk factors for cognitive impairment in patients with diabetes

Martin Rakusa, MD, PhD[1], Matej Rakusa, MD[2], Miro Cokolic, MD[2]
1Department of Endocrinology and Diabetes University Medical Centre Maribor, Maribor, Slovenia , 2Department of Neurology University Medical Centre Maribor, Maribor, Slovenia

LBP56: PRELIMINARY FINDINGS OF APTEST: A PRESCREENING TOOL DEMONSTRATING INTIAL PREDICTIVE AND DIAGNOSTIC IMPLICATIONS.

Pamela Voccia, Ed.S.[1], Katherine Kruczek, M.S.1Joy Kettren, M.S[1], Jennifer Cody, B.S.[1], Nichole Skirvin, B.A[1].
(1) Bioclinica Research, The Villages, Florida, USA

LBP57: Psychometric Properties of the Imprint Eye Tracking Memory Assessment: Internal, Test-Retest and Alternate Forms Reliability

Nicholas T. Bott, PsyD[1,2], Alex Lange, MS[2], Robert Cosgriff, MS[2], Paul Clopton, MS[3], Beth Buffalo, PhD[2,4], Stuart Zola, PhD[2,5], Claudia Y. Santos BS6, Peter Snyder, PhD[7,8]
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LBP58: Utility of the International Shopping List Test for detection of memory impairment associated with prodromal and early Alzheimer's disease in clinical trials

Paul Maruff, PhD[1], Adrian Schembri, PsyD[1], Shau Yu Lynch, PhD[2], Bruce Albala, PhD[2]
(1) Cogstate Ltd., Melbourne, Australia (2) Eisai Inc., Woodcliff Lake, New Jersey, USA

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LBP59: DCTclock metrics correlate with neuroimaging biomarkers among those with AD genetic risk

Braydon Schaible[1], William Souillard-Mandar[1], Randall Davis[1,2], Rhoda Au[3], Dana Penney[1,4]
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Theme 7. Behavioral disorders and clinical trials

P93 : Lumateperone (ITI-007), a novel drug in development for the Treatment of Agitation in Patients with Dementia, Including Alzheimer's Disease: Rationale and Clinical Trial Design

Robert Davis Ph.D.[1] , Kimberly Vanover Ph.D.[1], Cedric O'Gorman MD[1], Jelena Saillard[1], Michal Weingart Ph.D.[1], Sharon Mates Ph.D.[1]
(1)Intra-Cellular Therapies Inc., New York.

P94: Alzheimer's Disease Cooperative Study (ADCS) Multicenter Trail: Prazosin for Agitation in Alzheimer's Disease (PEACE-AD)

Elaine R. Peskind, MD[1,2], Murray A. Raskind, MD[1,2], Howard Feldman, MD, FRCP[3,4]; for the Alzheimer's Disease Cooperative Study
(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 (3) Alzheimer's Disease Cooperative Study, San Diego, CA, USA (4) University of California, San Diego, Department of Neurosciences, San Diego, CA, USA Alzheimer's Disease Cooperative Study (ADCS)

P95: Neuropsychiatric symptoms and the risk of conversion to dementia among MCI subjects

Maria Soto, MD, PhD[1], Simon Dietlin, MD1, Vera Kiyasova PhD[2], Maria Pueyo, MD, PhD[2], Adelaïde de Mauléon, MD[1], Julien Delrieu, MD[1], Pierre Jean Ousset, MD[1], Bruno Vellas, MD, PhD[1]
(1) Gerontopôle, INSERM U 1027, Alzheimer's Disease Research and Clinical Center, Toulouse University Hospital, France (2) Institut de Recherches Internationales Servier, Suresnes, France

P96: Natural History, Epidemiology, Neurobiology, Burden, and Unmet Needs of Agitation in Alzheimer's Disease: Where are we now? A Systematic Review

Chuidian M[1], Waterman F[1], Bird S[2], De Jong-Laird A[3], Baker R[4], Megerian T[1]
(1)Avanir Pharmaceuticals Inc, Aliso Viejo, CA (2) Xcenda, Palm Harbor, Fl (3) Otsuka Pharmaceutical Europe Ltd. (OPEL), Gallions, Wexham Springs (4) Otsuka Pharmaceutical Development and Commercialization, Inc. (OPDC), Princeton, NJ

Late Breaking Posters

LBP60: Donepezil treatment in patients with depression and cognitive impairment on stable antidepressant treatment: a randomized controlled trial

Davangere P. Devanand, MD[1], Gregory H. Pelton, MD[2], Kristina D'Antonio, MSW[3], Adam Ciarleglio, PhD[4], Jennifer Scodes, MS[5], Howard Andrews, PhD[6], Julia Lunsford, MD[7], John L. Beyer, MD[8], Jeffrey R. Petrella, MD[9], Joel Sneed, PhD[10], P. Murali Doraiswamy, MD[11]
(1)Geriatric Psychiatry & Department of Psychiatry, Columbia University, New York, NY, USA (2)Geriatric Psychiatry & Department of Psychiatry, Columbia University, New York, NY, USA (3)Geriatric Psychiatry & Department of Psychiatry, Columbia University, New York, NY, USA (4)Biostatics, Department of Psychiatry, Columbia University, New York, NY, USA(5)Biostatics, Department of Psychiatry, Columbia University, New York, NY, USA(6)Biostatics, Department of Psychiatry, Columbia University, New York, NY, USA (7) Department of Psychiatry, Duke University, Durham, NC, USA (8) Department of Psychiatry, Duke University, Durham, NC, USA (9) Department of Radiology, Duke University, Durham, NC, USA (10) Department of Psychology, Queens College, City University of New York, New York, NY, USA (11)Department of Psychiatry, Duke University, Durham, NC, USA

LBP61: Memantine ER With an AChEI Improves Individual SIB Scores Compared With AChEI Alone: Post Hoc Analyses From a Randomized, Double-blind, Placebo-controlled Study

George Grossberg, MD[1], Ken Kramer, PhD[2], Suzanne Hendrix, PhD[3], Noel Ellison, MS[3], Majid Kerolous, PharmD, MPH[2]
(1) Saint Louis University, Saint Louis, MO, USA (2) Allergan, Jersey City, NJ, USA (3) Pentara Corporation, Salt Lake City, UT, USA

LBP62: Using Radio Signal-based Sensing and Machine Learning for Continuous Longitudinal Monitoring of Behavioral Symptoms in Dementia: A Pilot Case Study

Ipsit Vahia, MD[1], Zachary Kabelac, MEng[2], Chen-Yu Hsu, MS[2], Rumen Hristov, MEng[2], Patrick Monette, BS[1], David Harper, PhD[1], William McGrory, LCSW[3], Brent Forester, MD[1], Dina Katabi, PhD[2]
(1)Division of Geriatric Psychiatry, McLean Hospital/Harvard Medical School, Belmont, MA, USA; (2)Computer Science and Artificial Intelligence Lab (CSAIL), Massachusetts Institute of Technology (MIT), Cambridge, MA, USA ; (3)Robbie's Place Assisted Living, Marlborough, MA

Friday, November 3 and Saturday, November 4

Theme 8. Health economics and clinical trials

P97: Cost of illness and economic burden of early Alzheimer's disease: a systematic review

Richard Lawson, MSc[1], Weiguang Xue, MSc[2], Adam Lloyd, MPhil[2], Christina-Jane Crossman-Barnes, MSc[3], Rebekah Fong, MSc[3]
(1) AstraZeneca, US (2) QuintilesIMS, UK (3) University of East Anglia, UK

P98: Challenges in Optimising Real World Evidence for Alzheimer's Disease

Catherine Reed, PhD[1]; Frederic de Reydet de Vulpillieres, MSc[2], John Gallacher, PhD[3],and the ROADMAP consortium
(1)Eli Lilly and Company Limited, Windlesham, UK (2)Novartis Pharma AG, Basel, Switzerland (3)University of Oxford, UK

P99: Dependence Scale to Assess the Cost-Consequences of Alzheimer's Disease Treatments

Joshua A. Roth, PhD, MHA[1], Joshua T. Cohen, PhD[2], Peter J. Neumann, ScD[2], Carolyn W. Zhu, PhD[3], Yaakov Stern, PhD[4], Sean D. Sullivan, PhD[5]
(1)Hutchinson Institute for Cancer Outcomes Research, Fred Hutchinson Cancer Research Center, Seattle, WA, USA (2)Center for the Evaluation of Value and Risk in Health, Tufts Medical Center, Boston, MA, USA (3) Department of Geriatrics and Palliative Medicine, Icahn School of Medicine at Mount Sinai, New York, NY, USA (4) Taub Institute for Research on Alzheimer's Disease and the Aging Brain, Columbia University Medical Center, New York, NY, USA (5) Department of Pharmacy, University of Washington, Seattle, WA, USA

Late Breaking Posters

LBP63: Review of clinical guidelines on use of antipsychotic drugs in the treatment of behavioral symptoms in dementia and their impact on patient outcomes

Myrlene Sanon Aigbogun, MPH[1] Milena Anatchkova, PhD[2] Anne Brooks, BS[2] Laura Swett, PhD[2] Ann Hartry,[3] Ruth A. Duffy, PhD [4] Ross A. Baker, PhD [4]
(1) Health Economics and Outcomes Research, Otsuka Pharmaceutical Development & Commercialization, Inc., Princeton, NJ, USA (2) Outcomes Research, Evidera, Bethesda, MD, USA (3) Health Economics and Outcomes Research, Lundbeck, Deerfield, IL, USA (4) Medical Affairs, Otsuka Pharmaceutical Development & Commercialization, Inc., Princeton, NJ, USA

LBP64: The Natural Progression of Agitation in Alzheimer's Disease/Dementia: A Systematic Literature Review

Milena Anatchkova, PhD[1]; Anne Brooks, BS[1]; Laura Swett, PhD[1]; Ann Hartry, PhD[2;] Ruth A. Duffy, PhD [3]; Ross A. Baker, PhD[3] Myrlene Sanon Aigbogun, MPH[4]
(1)Outcomes Research, Evidera, Bethesda, MD, USA (2)Health Economics and Outcomes Research, Lundbeck, Deerfield, IL, USA (3) Medical Affairs, Otsuka Pharmaceutical Development and Commercialization, Inc., Princeton, NJ, USA (4) Health Economics and Outcomes Research, Otsuka Pharmaceutical Development & Commercialization, Inc., Princeton, NJ, USA

Theme 9. Epidemiology and clinical trials

P100: Prevalence and progression of preclinical and prodromal AD among non-demented persons in a population-based setting.

Rosebud O. Roberts, MB ChB, MS.[1,2], Jeremiah A. Aakre, MPH3, Walter K. Kremers, PhD3, Maria Vassilaki, MD, PhD1, Michelle M. Mielke, PhD1,2, David S. Knopman, MD2, Yonas E. Geda, MD, MSc.1,4, Preciosa Coloma, MD, PhD5, Barbara Schauble, MD, PhD6, Val J. Lowe, MD7, Clifford R. Jack Jr., MD7, Ronald C. Petersen, PhD, MD1,2
(1) Department of Health Sciences Research, Division of Epidemiology, Mayo Clinic, Rochester, MN (2) Department of Neurology, Mayo Clinic, Rochester, MN; (3) Department of Health Sciences Research, Division of Biomedical Statistics and Informatics, Mayo Clinic, Rochester, MN (4) Departments of Psychiatry and Psychology and Neurology, Mayo Clinic, Scottsdale, AZ (5) Real World Data Science, F. Hoffman-La Roche Ltd, Basel, Switzerland (6) Medical Affairs, F. Hoffmann-La Roche Ltd, Basel, Switzerland (7) Department of Radiology, Mayo Clinic, Rochester, MN

P101: Lipophilic Versus Hydrophilic Statin Exposure and Post-Mortem Neuropathological Findings in the NACC Autopsy Cohort

Aaron M. Koenig MD[1], Jing Qian PhD[2], Rebecca A. Betensky PhD[3], Steven E. Arnold MD[1]
(1) Department of Neurology, Massachusetts General Hospital, Boston, MA, USA (2) Department of Biostatistics and Epidemiology, School of Public Health and Health Sciences, University of Massachusetts, Amherst, MA, USA (3) Department of Biostatistics, Harvard T.H. Chan School of Public Health, Boston, MA, USA

Friday, November 3 and Saturday, November 4

P102: The longitudinal association of glycemic control based on glycemic target of the JDS/JGS joint committee with cognitive and ADL decline in patients with MCI and AD.

Taiki Sugimoto, RPT, MSc[1,2,3,4], Takashi Sakurai, MD, PhD[1,5], Ai Kimura, RD, MSc[1,2,5], Rei Ono, RPT, MPH, PhD[3], Naoki Saji, MD, PhD[1], Shumpei Niida, PhD[2], Kenji Toba, MD, PhD[1].

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P103: Clinical Attributes and Disease Progression among Patients with Mild Cognitive Impairment Associated with Alzheimer's disease: Findings from the National Alzheimer's Coordinating Center

J. Scott Andrews, PharmD[1] Urvi Desai, PhD,[2] Noam Y. Kirson, PhD,[2] Miriam Zichlin, MPH,[2] Sophie Schonfeld, BA,[2] Daniel E. Ball, DrPH,[1] Colin Green, PhD[3]

(1)Eli Lilly and Company, Indianapolis, IN (2) Analysis Group, Inc., Boston, MA (3) University of Exeter, Exeter, UK

P104: The association between body mass index and cognitive decline in patients with small vessel disease -preliminary study

Hae-Eun Shin, Seong-Hoon Kim, Si Baek Lee, Jung-Wook Park *The Catholic University of Korea, Uijeongbu, South Korea*

P105: Nutritional status in patients with MCI, AD and DLB and its clinical meaning for dementia prevention and care.

Ai Kimura, RD, MSc[1,2,3], Takashi Sakurai, MD, PhD[1,3], Taiki Sugimoto, RPT, MSc[1,2,4,5], Kazuya Kitamori, RD, PhD[6], Naoki Saji, MD, PhD[1], Shumpei Niida, PhD[2], Kenji Toba, MD, PhD[1]

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P106: Optimizing Dietary Intervention Studies of Modifiable Risk Factors and Comorbidities for Late Onset Alzheimer's Disease

Feng-Yen Li, PhD[1] and Ann Lam, PhD[1,2]

(1)Physicians Committee for Responsible Medicine, Washington, DC, USA (2) Green Neuroscience Laboratory, Neurolinx Research Institute, San Diego, CA, USA

P107: Is the time right to capitalise on emergence of Lifetime and Lifestyle Alzheimer's disease Related Factors as Determinants of pre-disease Neurocognitive Performance? Cross-sectional evidence from the CHARIOT PRO Main Study

Chinedu T Udeh-Momoh, PhD[1], Bowen Su MD[1], Geraint J Price, DClinPsych[1], David Muller, PhD[1], Darina Bassil, MPH[1], Catherine Robb, MSc[1], Heather Ward, PhD[1], Michael T. Ropacki, PhD[3,4,5] Robert Perneczky, MD[1,2], Ioanna Tzoulaki, PhD1and Lefkos T Middleton, MD[1]

(1) Imperial College London, London, United Kingdom (2) Ludwig-Maximilians-Universität, Munich, Germany (3) Janssen Research and Development, Fremont, CA, USA (4) Loma Linda University School of Medicine, Loma Linda, CA, USA (5) MedAvante, Inc., Hamilton, NJ, USA

P108: Clinical trial recruitment rate from a patient data base in an academic geriatric center

Daniel G. Gámez Treviño, Blanca I. González García, Patricia A. Guerrero Garza, Ricardo Salinas Martínez

Geriatric Services, "Dr. Jose Eleuterio González" University Hospital, Universidad Autónoma de Nuevo León, Monterrey, Nuevo León, México.

Friday, November 3 and Saturday, November 4

Theme 10. Clinical Trials: Animal Models

P109: Nanodelivery of Cerebrolysin reduces phosphorylated tau and prostaglandin metabolite F-2 isoprostane in CSF and brain in Alzheimer's disease. Novel therapeutic strategies using nanomedicine

Aruna SHARMA[1], José V LAFUENTE[2], Dafin F MURESANU [3], Rudy J CASTELLANI[4], Mark A SMITH[5], Ranjana PATNAIK[6], Z Ryan TIAN[7], Asya OZKIZILCIK[7] , Herbert MÖSSLER[8], Hari S SHARMA[1]

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P110: Nanodelivery of Cerebrolysin potentiates histamine antibodies and histaminergic H3 and H4 receptor modulation induced reduction in brain pathologies in Alzheimer's disease.

Hari Shanker SHARMA[1], José V LAFUENTE[2], Dafin F MURESANU[3], Rudy J CASTELLANI[4], Mark A SMITH[5], Ranjana PATNAIK[6], Z Ryan TIAN[7], Asya OZKIZILCIK[7], Stephen D SKAPER[8], Herbert MÖSSLER[9], Aruna SHARMA[1]

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P111: Can the use of approved imaging compounds also be used a therapy in Alzheimer's Dementia

James Fontanesi MD[1]; Daniel B Michael MD[1]; Alaa Hanna MD[1]; Michael Maddens MD[1]; Prakesh Chinaiyan[1]; Giovanni Fontanesi[2]; Thomas Wilson[1]; Alvaro Martinez MD[3]; Katie Buelow[1]; Barbara Pruetz[1]; George D Wilson Ph.D[1]

(1) William Beaumont Health Systems (2) Oakland University (3) 21st Century Oncology

P112: Inhibition of Caspase-1 as a novel treatment against age-dependent cognitive decline and Alzheimer Disease

Andrea C. LeBlanc[1,2] , Joseph Flores[1]

(1) Lady Davis Institute, Jewish General Hospital, Montreal, Quebec, Canada (2) Department of Neurology and Neurosurgery, McGill University, Montreal, Quebec, Canada

P113: Combination radiation techniques may play a role in the treatment of Alzheimer's Dementia

James Fontanesi MD[1]; Daniel B Michael MD [1]; Michael Maddens[1]; Alaa Hanna MD[1]; Thomas G Wilson BS[1;] Giovanni Fontanesi [2]; Prakesh Chinaiyan MD[1]; Alvaro Martinez MD[3]; Katie Buelow[1]; George D Wilson Ph.D[1]

(1)William Beaumont Health Systems (2) Oakland University,Rochester , Mi , USA (3) 21st Century Oncology , Farmington Hills , Mi , USA

Late Breaking Posters

LBP13: SUVN-502 potentiates the preclinical pharmacological activities of current standards-of-care for Alzheimer's disease.

Ramakrishna Nirogi, PhD[1], Vijay Benade MS[1], Renny Abraham, PhD[1], Gopinadh Bhyrapuneni, PhD[1], Jyothsna Ravula, MS[1], Koteshwara Mudigonda, PhD[1], Devender Reddy Ajjala,PhD[1], Ramasastry Kambhampati, PhD[1], Anil Shinde, PhD[1] and Venkat Jasti MS[1].

(1) Discovery Research, Suven Life Sciences Ltd, Hyderabad, India

LBP14: The PDE4-inhibitor roflumilast improves memory: findings from a translational perspective

Arjan Blokland, PhD[1], Wim Riedel, PhD[1], Marlies Van Duinen, PhD[2], Anke Sambeth, PhD[1], Pim Heckman, PhD[1], Max Tsai, PhD[3], Gezim Lahu, PhD[4], Tolga Uz, MD, PhD[3], Jos Prickaerts, PhD[2]

(1) Department of Neuropsychology and Psychopharmacology, Maastricht University, Maastricht, The Netherlands (2) Department of Psychiatry and Neuropsychology, Maastricht University, Maastricht, The Netherlands (3) Takeda Development Center, Takeda, Deerfield, USA (4) Takeda Pharmaceuticals International, Takeda, Zürich, Switzerland

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General Information

Conference Venue

Boston Park Plaza
50 Park Plaza at Arlington Street,
Boston, MA 02116
USA

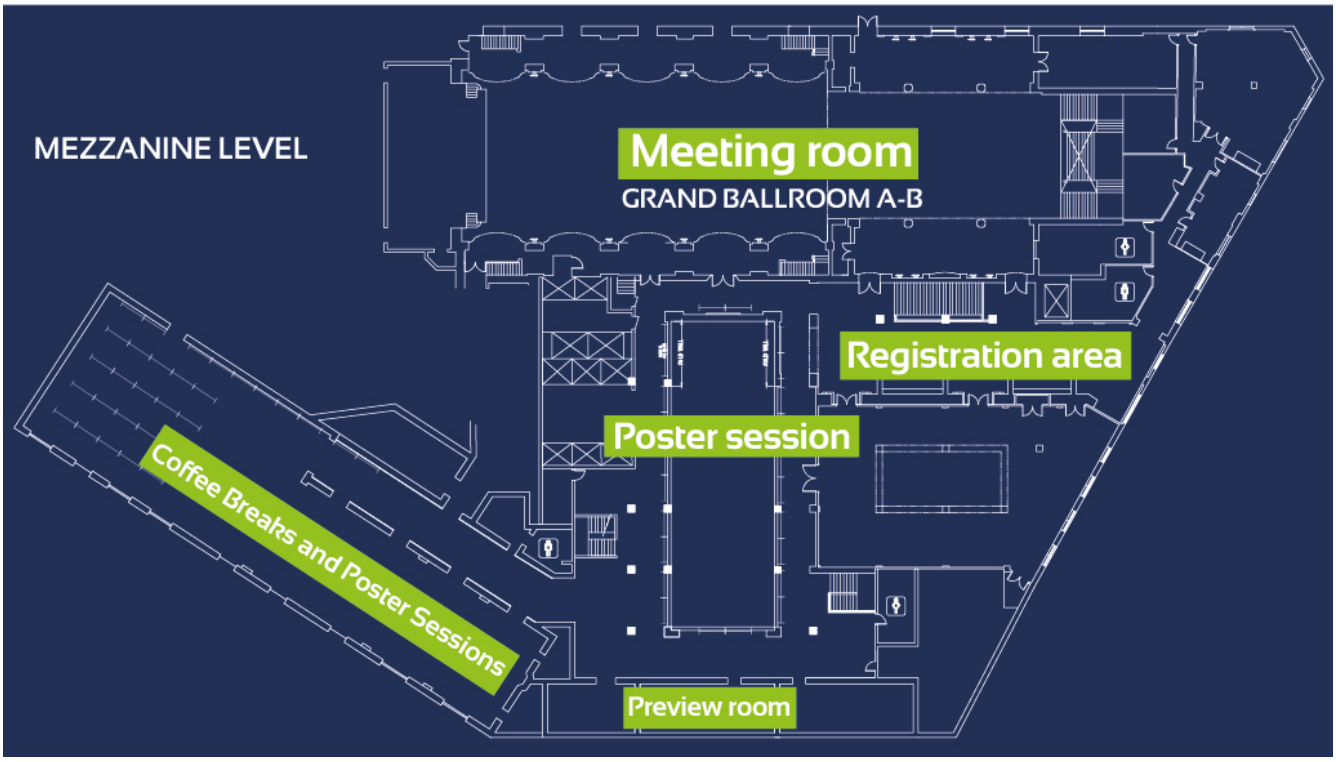
Breakfast for people staying at the Boston Park Plaza in the CTAD Block: Information will be handed to you upon check-in regarding breakfast location for each day of your stay.

Registration Information (no onsite registration)

Pre-registration :
Avoid the rush and come pick-up your conference materials on **Wednesday, November 1** starting at 1pm.

Registration desk opening hours :

Thursday, November 2 from 7 :30 am to 6 pm
Friday, November 3 from 7 :30 am to 5:30 pm
Saturday, November 4 from 7 :30 am to 4 :30 pm



Conference Room :

All sessions will be held in
Grand Ballroom A and B (Mezzanine level)

Coffee Breaks and Poster Sessions :

Georgian Room and Ballroom Foyer (Mezzanine level)

Lunches* : (only for attendees who purchased the lunch package) in ABC rooms (Mezzanine Level) please present your badge at the entrance.

**No possibility of buying lunches onsite*

Speaker Ready Room - Preview room - Hours of Operation

- Wednesday, November 1: 1 pm– 6 pm
- Thursday, November 2: 7:30 am – 6 pm
- Friday, November 3: 7:30 am – 6 pm
- Saturday, November 4: 7:30 am – 4 pm

POSTER SESSIONS

All the necessary material will be available onsite to display your poster

Wednesday, November 1 and Thursday, November 2
Poster set-up: Wednesday, November 1 starting at 1pm
Poster take-down: Thursday, November 2 no later than 6pm

Theme 1. Clinical trials: Methodology - P1 to P25 and LBP1 to LBP12
Theme 2. Clinical trials: Results - P26 to P42 and LBP25 to LBP32
Theme 11. New therapies and clinical trials - P114 to P129 and LBP15 to LBP24

Friday, November 3 and Saturday, November 4
Poster set-up: Friday, November 3 starting at 7:30 am
Poster take-down: Saturday, November 4 no later than 5pm

Theme 3. Clinical trials: Imaging - P43 to P55 and LBP35 to LBP38
Theme 4. Clinical trials: Biomarkers including plasma - P56 to P77 and LBP39 to LBP46
Theme 5. Clinical trials: Cognitive and functional endpoints - P78 to P86 and LBP47 to LBP49
Theme 6. Cognitive assessment and clinical trials - P87 to P92 and LBP50 to LBP59
Theme 7. Behavioral disorders and clinical trials - P93 to P96 and LBP60 to LBP62
Theme 8. Health economics and clinical trials - P97 to P99 and LBP63 to LBP64
Theme 9. Epidemiology and clinical trials - P100 to P108
Theme 10. Clinical Trials: Animal Models - P109 to P113 and LBP13 to LBP14

Notes

New in 2017

Conference Mobile App

CTAD 2017 has its own Mobile App!

The App will be available for download on October 28, 2017 on the Apple App Store and Google Play (search CTAD17) to be used on your mobile phone but also on larger devices like an iPad or a desktop.

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