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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!

Scientific Committee

Susan ABUSHAKRA (San Francisco)
Paul AISEN (San Diego)
Kai BLENNOW (Molndal)
Merce BOADA (Barcelona)
Maria CARRILLO (Chicago)
Mony John DE LEON (New York)
Rachelle DOODY (Basel)
Bruno DUBOIS (Paris)
Howard FELDMAN (San Diego)
Nich FOX (London)
Giovanni B. FRISONI (Brescia, Geneva)
Lutz FROELICH (Mannheim)
Serge GAUTHIER (Montreal)
Ezio GIACOBINI (Geneva)
Michael GRUNDMANN (San Diego)
Harald HAMPEL (Paris)
Takeshi IWATSUBO (Tokyo)
Ara KHACHATURIAN (Washington DC)
Zaven KHACHATURIAN (Washington DC)
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Philip SCHELTENS (Amsterdam)
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Peter SNYDER (Rhode Island)
Reisa SPERLING (Boston)
Yaakov STERN (New York)
Jacques TOUCHON (Montpellier)
John TROJANOWSKI (Philadelphia)
Bruno VELLAS (Toulouse)
Michael W. WEINER (San Francisco)
Gordon WILCOCK (Oxford)
Bengt WINBLAD (Stockholm)

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
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 Banth 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.
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”.
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

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

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

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

4:30 – 5:00 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 PhD1, Ronald Gieschké, MD, PhD2, Daniel Serafin, PhD2, Sylvie Retout PhD2, Paul Delmar Ph.D1, Mirjana Adjelevic, PhD1, Danielle Abi-Saab, PhD, Smljana Milosavljevic-Ristic, MD, Paulo Fontura, MD, PhD, Carsten Hofmann, PhD2

(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, PhD1, Paul Delmar PhD2, Carsten Hofmann, PhD, Mirjana Adjelevic, MD, Danielle Abi-Saab, MD2, Smljana Milosavljevic-Ristic, MD, Monika Baudler, PhD, Paulo Fontura MD, PhD2, Rachelle Doody, MD2

(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, PhD1, Bernard Katy, PhD, Brezin Sylvie, PharmD, PhD1, Goutefangeas Sylvie, MD, PhD1, Holthoff-Detto Viera, MD2 and Robert Philippe, MD2

(1) Pôle Innovation Therapeutique Neuropsychiatrie, Institut de Recherches Internationales Servier, Suresnes, France. (2) Université Paris Descartes, Faculté de Médecine, Paris, France

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

Philip Scheltens1, MD, PhD, Merja Hallihainen1, MD, PhD, Timo Grimm1, MD, Thomas Duning1, MD, Alida A. Gouw2, MD, PhD, Alie Meije Wein1, PhD, Paul Maruff7, BSc (Hons), PhD, G. Caroline M. van Baal1, PhD, Suzanne Bruins3, MSc, Inge Lues4, PhD, Charlotte E. Teunissen1, PhD, Niels D. Prins1, 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 Psychology 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, Zest, The Netherlands (10) Probiobudric AG, Holle, Germany (11) Neurochemistry Laboratory and Biobank, Department of Clinical Chemistry, Amsterdam Neuroscience, VU University Medical Centre, Amsterdam, The Netherlands

End of the Scientific Program

6 p.m.

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 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 LML1A-31-BHS p75 neurotrophin receptor ligand.**

Franth M. Longo, MD, PhD; Manfred Windisch, PhD, Niels Andreasen, MD, Agneta Nordberg, MD, PhD

(1) Department of Neurology and Neurological Sciences, Stanford University, Palo Alto, CA, USA ; (2) NeuroSics GmbH, Graz, Austria ; (3) Department of Neurology, 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 Hanseenu, Beth Mormino, Alex Becker, Aaron Schultz, Jorge Sepulcre, Kathryn Papp, Heidi Jacobs, Jasmeer Chhatwal, Dorene Rentz, Reisa Sperling, and Keith Johnson

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

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

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

(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 Ph.D, Dorene M. Rentz PsyD, Irina Orlowsky MA, Reisa A. Sperling MD, Elizabeth C. Mormino Ph.D

(1) Center for Alzheimer Research and Treatment, Department of Neurology, Brigham and Women’s Hospital, Harvard Medical School, Boston, MA, USA ; (2) Department of Radiology, Massachusetts General Hospital, Boston, MA, USA ; (3) University Duisburg-Essen, Germany ; (4) Stanford/VA Alzheimer’s Disease and Aging Clinical Research Centers, CA, USA ; (5) VHA 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 Gerontopole, Toulouse, France

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

Peter Schueeler, MD, Michael W. Weiner, MD, J. Wesson Ashford, MD, PhD, Bruno Vellas, MD, PhD

(1) UCSF, San Francisco, CA, USA ; (2) ICON, Langen, Germany ; (3) University Duisburg-Essen, Germany ; (4) Stanford/VA Alzheimer’s Disease and Aging Clinical Research Centers, CA, USA ; (5) VHA 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 Gerontopole, Toulouse, France

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

Jeffrey Cummings MD, Sandrine Andrieu MD, MPH, Philip Scheltens MD, PhD, Kai Blennow MD, PhD, Petr Kocis PhD, John A. Hey PhD, A. Power, MD, Martin Tolar, MD, PhD, Susan Abushakra, MD

(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) Alzheimer’s, Inc., Boston, MA, USA

10:00 – 10:30 a.m.

Coffee Break and Poster Session

(10:00 – 10:30 a.m.) (Georgian Room)

**Coffee Break and Poster Session**

10:30 – 11:30 a.m.

Oral Communications

Chairs: Rebecca E. Amargioli, 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**


(1) Abbott Inc, North Chicago, IL, USA ; (2) C2N Diagnostics LLC, St Louis, MO, USA ; (3) Washington University, St. Louis, MO, USA ; (4) University of Pennsylvania, Philadelphia, PA ; (5) AXA Research Fund & UPMC Chair, Wonderful Health, Paris, France ; (6) Edith Cowan University, and Cooperative Research Centre (CRC) for Mental Health, Perth, Australia ; (7) XIA Research Fund & UPMC Chair, Wonderful Health, Paris, France ; (8) Edith Cowan University, and Cooperative Research Centre (CRC) for Mental Health, Perth, Australia ; (9) Ledcourt Associates, UK ; (10) Centre for Neurodegenerative Disease Research, University of Pennsylvania School of Medicine, Philadelphia

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

Maryam Shoaii, PhD, Richard Pithey, PhD, Valentina Escott-Price, PhD, Simon M Laws, PhD, Harald Hampel, MD, PhD, Simone Lista, PhD, Rik Vanderbergh, Isabelle Cleynen, David Irwin, MD, Vivian Van Deelen, MD, Greg Davidson, PhD, Virginia M-Y. Lee, PhD, John Q. Trojanowiski, MD, PhD, John Hardy, PhD DSc

(1) UCL Institute of Neurology, London, United Kingdom ; (2) Cytos 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, Wonderful Health, Paris, France ; (6) Edith Cowan University, and Cooperative Research Centre (CRC) for Mental Health, Perth, Australia ; (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
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 PhD1,2,3, Rachel F. Buckley PhD2,4,5, Elizabeth C. Mormino PhD2,3, Dylan R. Kim MPH2, Gad A. Marshall MD2,3, Keith A. Johnson MD1,2,3, Dorene M. Rentz PsyD2,3, Reisa A. Sperling MD1,2,3

(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, PhD1, Pierre N. Tariot, MD2, Angelita Caputo, PhD1, Fonda Liu, Pharm.D3, Marie-Emmanuelle Riviere, PhD1, Marie-Laure Rouzade-Dominguez, PhD1, Ronald G. Thomas, PhD1, Jessica B. Langbaum, PhD2, Rob Lenz, MD, PhD2, Eric M. Reiman, MD, PhD2, Ana Graf, MD1

(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.

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

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, PhD1; Zachary Miller, MD1, Richard Tsai, MD, MBA1, Mary Koestler, RN, PhD1; Julio Rojas, MD, PhD1; Peter Ljubenkov, MD1; Howie Rosen, MD1, Gil Rabinovic, MD2, Anne Fagan-Niven, PhD1, Yann Cobigo, PhD1, June Jung, PhD1; Phi Luong, BS1; Emmeline Chiu, BA1; Ryan Powers, BA1; Paige Mumford, BA1; Bruce Miller, MD1; Eric Roberson, MD1

(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. Scott1,2, Aron M. Troen1,2,3, Irwin H. Rosenberg1,2

(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 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, PhD1, Michael Gold, MD2, Judith Walker, MD2, Sabrina Greer1, Janet Vogel1, Aaron Shenkin1

(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. Meilandt1, Janice A. Maloney1, Jose Imperio1, Travis W. Bainbridge1, Mitte Reichelt1, Danielle Mandlidian1, Yanmei Lu1, James A. Ernst2, Reina N. Fujii1, Jasvinder K. Atwal1

(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
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

2:30 – 3:00 p.m. Keynote 2
From Academy to Industry: Perspectives for Drug Trials in AD

Rachelle Doody, MD, PhD
Global Head of Neurodegeneration PD Neuroscience, F. Hoffmann-La Roche, Basel, Switzerland

Late Breaking Oral Communications

Late Breaking Oral Communications

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; Alkash 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-Akins, 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-Grijalba1, Judith Romero1, Pedro Pesini1, Leticia Sarasa1, Itziar San-José1, Javier Arbizu2, Pablo Martínez-Lage1, Luis Tarragà1, Agustín Ruiz2, Merce Boada3, Manuel Sarasa and The AB255 Araclon Group4

(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. Fundación ACE. Institut Català de Neurociències Aplicades. Barcelona, Spain

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

Samantha Budd Haeberlein, PhD1, Sarah Gheuens, MD, PhD1, Tianle Chen, PhD1, John O’Gorman, PhD1, Philipp von Rosenstiel MD, Ping Chiao, PhD1, Guanfang Wang, PhD1, Christian von Hehn, MD, PhD1, LeAnne Skordos, PharmD1, Christoph Hoch, MD1, Roger M Nitsch, MD1, Alfred Sandrock, MD, PhD1

(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; Chun Chieh Fan, MD; Elizabeth C. Mormino, PhD; Leo P. Sugrue, MD, PhD; Iris J. Broce, PhD; Christopher P. Hess, MD, PhD; William P. Dillon, MD; Lute W. Bonham, BS; Jennifer S. Yokoyama, PhD; Celeste M. Karch, PhD; James B. Brewer, MD, PhD; Gil D. Rabinovici, MD; Bruce L. Miller, MD; Gerard D. Schellenberg, PhD; Karolina Kauppi, PhD; Howard A. Feldman, MD; Dominic Holland, PhD; Linda K. McEvoy, PhD; Bradley T. Hyman, MD, PhD; Ole A. Andreassen, MD, PhD; Anders M. Dale, PhD; and Rahul S. Desikan, MD, PhD 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 Neurobiology & 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) NOTTMENT 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 Eritsdotter MD, PhD, Sara Garcia-Ptacek MD, PhD, Ingemar Käreholtt PhD, Dorota Religa MD, PhD, Peter Nordström MD, PhD, Anders Wimo MD, PhD, Bengt Winblad MD, PhD

(1) Department of Neurobiology, Care Sciences and Society, Center for Alzheimer Research, Division of Clinical Genomics, Karolinska Institute, Huddinge, Sweden ; (2) Department of Medical Genetics, Karolinska University Hospital, Huddinge, Sweden ; (3) Aging Research Center, Center for Alzheimer Research, Department of Neurobiology, Care Sciences and Society, Karolinska Institute 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-Nordanger, 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, Stéphane Epelbaum, MD, PhD, Olivier Colliot, PhD, Didier Dormont, MD, Bruno Dubois, Prof., MD, Harald Hampil, Prof., MD, PhD, Stanley Durrleman, PhD, for the ADNI, and the INSIGHT study group

(1) Sorbonne Universités, UPMC, Univ Paris 06, Inserm, CNRS, Institut du cerveau et de 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, INSITUT de la Mémoire et de la Maladie d’Alzheimer (IM2A), Paris, France ; (4) AP-HP, Hôpital de la Pitié-Salpêtrière, Department of Neurology, 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, Dylan R. Kirn, MPH, Aaron P. Schultz, PhD, Jennifer S. Rabin, PhD, Rachel Buchley, PhD, Loreen M. Rentz, PsyD, Kathryn V. Papp, PhD, Keith A. Johnson, MD, Reisa A. Sperling, MD, Janice P. Chhatwal, MD, PhD, MSc

(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 ; (5) Department of Psychiatry, Massachusetts General Hospital, Boston, MA, USA ; (6) Florey Institutes of Neuroscience 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**

NiklasMattsson, MD, PhD, Michael Schöll MD, PhD, Tomas Ohlsson MD, PhD, Andreas Hahn MD, PhD, Olof Strandberg MD, PhD, Jonas Jögi MD, PhD, Ruben Smith MD, PhD, Östman Hansson MD, PhD

(1) Clinical Memory Research Unit, Department of Clinical Sciences, Malmö, Lund University, Sweden ; (2) Memory Clinic, St Göran University Hospital, Malmö, Sweden ; (3) Department of Radiation Physics, St Göran University Hospital, Lund, Sweden ; (4) Department of Psychiatry and Psychotherapy, Medical University of Vienna, Austria ; (5) Department of Clinical Physiology and Nuclear Medicine, St Göran University Hospital, Lund, Sweden ; (6) Department of Neurology, St Göran 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, Brenda L. Plassman, PhD, Carl Chiang, PhD, Meredith Culp, BSc, Patrick Harrigan, BSc, Janet O’Neil, MBA, Ryan Walter, BSc, Stephen Haneline, MS, Julian Arbuckle, BSc, Hannah Jenkins, BSc, Yuka Maruyama, D.V.M., Tom Swanson, BSCE, MBA, Dominic Fitzsimmons, BSc, Alexandra S. Atkins, PhD, Sarah Powell, MSN, Richard Keefe, PhD, Craig Metz, PhD, Deborah Yarbrough, MS, MBA, Daniel K. Burns, PhD, Ann M. Saunders, PhD, Robert Alexander, MD, 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, USA

**OC20 - Emerging Plasma-Based Therapies for AD**

Montserrat Costa PhD, Raquel Horrillo PhD, Ana M Ortiz MSc, Alba Pérez PhD, Laura Núñez BSc, Antonio Páez MD, Mercé Boada MD, Agustín Ruiz MD, PhD, Salvador Grancha PhD

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

Coffee Break and Poster Session (Georgian Room)

10:00 – 10:30 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, Rea 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*, PhD; *Jason Hassenstab*, PhD; *Eric McDade*, DO; *Guoqiao Wang*, PhD; *Tammie L.S. Benninger*, MD, PhD; *Randall J. Bateman*, MD; & *John C. Morris*, 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*, PhD; *Anne M. Fagan*1,2,3, PhD; *Tammie Benninger*1,2,3,4*, PhD; *Jason Hassenstab*1,2,3,4*, PhD; *John C. Morris*1,2,3,4*, MD; *Randall J. Bateman*1,2,3,4*, 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 Mathematics, Washington University, St. Louis, MO, USA; (4) Department of Radiology, Washington University School of Medicine, St. Louis, MO, USA; (5) 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; *Nellig Hig*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 Mactey*, PhD; *Nan Hu*, PhD; *Michael Ahmad*, MSC; *Yinghua Chen*, MSC; *Pietro Tariot*, MD; *Eric M Reiman*, MD; *Francisco Lopera*, MD; *Kewei Chen*, PhD; *Ronald Thomas*, PhD

(1) Genentech, Inc., South San Francisco, CA, USA; (2) Knight Alzheimer Disease Research Center, Washington University School of Medicine, St. Louis, MO, USA; (3) Department of Anatomy, University of Southern California, Los Angeles, CA, USA; (4) Department of Mathematrics, University of California, San Diego, CA, USA; (5) Universidad de Antioquia, Medellin, Colombia; (6) 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; *Ronald G. Thomas*, PhD; *James Brewer*, MD; *Suzanne Hendrix*, PhD; *Robert Rissman*, PhD; *David Salmon*, PhD; *Hiroshi Kobayashi*, Howard Feldman, MD; 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) Toyo 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**

*Miriana Andjelkovic*, PhD; *Danielle Abi-Saab*, Psy.D; *Nathalie Pross*, PhD; *Paul Delmar*, PhD; *Nicola Voyle*, PhD; *Michaela Mertes*, Smiljana Ristic, MD

(1) Hoffman La Roche, 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; *Ethan S. Burstein*, PhD

(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; *Caron Banister*, MBChB, MRCPsych; *Jim Youakim*, MD; *Bruce Coate*, MPH; *Srdjan Stankovic*, MD, MSPH; 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; *Randall Owen*, MD; *Doral Fredericks*, PharmD, MBA

(1) Banner Alzheimer’s Institute and University of Arizona College of Medicine, Phoenix, AZ, USA; (2) ACADIA Pharmaceuticals Inc., San Diego, CA, USA
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.,
Haihao Zhu, M.D., Ph.D.,
Robert A. Stern, Ph.D.,
Qishan Tao, Ph.D.,
Gustavo A. Mercier, M.D., Ph.D.,
Martin Farlow, M.D., Ph.D.

(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

**LB10** - Initial Experience with PET Imaging of Synaptic Density (5V2A) in Alzheimer's Disease: A New Biomarker for Clinical Trials?

Ming-Kai Chen, MD, PhD,
Adam P. Mecca, MD, PhD,
Mika Naganawa, PhD,
Sjoerd J. Finnema, PhD,
Takuya Toyonaga, PhD,
Shu-fei Lin, PhD,
Julia W. McDonald,
Sjoerd J. Finnema, PhD,
Takuya Toyonaga, PhD,
Shu-fei Lin, PhD,
Julia W. McDonald,
Sjoerd J. Finnema, PhD,
Takuya Toyonaga, PhD,
Shu-fei Lin, PhD,
Julia W. McDonald,
Sjoerd J. Finnema, PhD,
Takuya Toyonaga, PhD,
Shu-fei Lin, PhD,
Julia W. McDonald,
Sjoerd J. Finnema, PhD,
Takuya Toyonaga, PhD,
Shu-fei Lin, PhD,
Julia W. McDonald,
Sjoerd J. Finnema, PhD,
Takuya Toyonaga, PhD,
Shu-fei Lin, PhD,
Julia W. McDonald.

(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 Radiology, 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,
Claudia Y. Santos, MS,
Jessica Alber, PhD,
Lenworth N. Johnson, MD,
Stuart Sinoff, MD,
Paul Maruff, PhD.

(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,
Camacho M,
Insel PS,
Mackin RS PhD,
Finley S MS,
Fennihen D,
Fochler J,
Truran-Sacrey D,
Maruff P.

(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

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,
Craig Ritchie MD PhD,
Milia Kiwipelo MD PhD,
Alina Soloman MD PhD,
Brian Tom PhD,
Jose Luis Molinuevo MD PhD,
Scott Berry PhD,
Frederik Barthof MD PhD,
Gill Farrar PhD.

(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,
Péris Bordet MD PhD,
Jill Richardson PhD,
Pierre Payoux MD PhD,
Claudio Babiloni MD PhD,
David Bartzes-Faz MD PhD,
Catherine Casset-Porri MD,
Giovanni Frisoni MD PhD.

(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.

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

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

Symposium 4

**Results from the Phase 3 MINDSET STUDY:**

A Global, Double-Blind, Placebo-Controlled Study of Intepridine in Mild-to-Moderate Alzheimer’s Disease
Saturday, November 4

08:30 – 10:00 a.m.

Oral Communications

Chairs: Audrey Gabelle, Zaven Khachaturian

OC29 - OXY-2001 Rationale in Mild to moderate Alzheimer’s Disease
Roger Bulloch MD1, Cesar Molinero MD,PhD1, Tamara Maes PhD1
(1) Oryzon Genomics S.A. Barcelona Spain

OC30 - Plasma Amyloid Levels within the Alzheimer’s Process and Correlations with Central Biomarkers
Oliver Hanon, MD, PhD1, Jean-Sébastien Vidal MD, PhD2, Sylvain Lehmann MD, PhD2, Stéphanie Bombois MD, PhD2, Bernadette Alliagier MD4, Marie Godard Msc1, Patrick Gelé MD1, Christine Delmair MD1, Frédéric Blanc MD2, PhD3, S Schraen MD3, Audrey Gabelle MD, PhD2 and the BALTAZAR study group.
(1) Department of Gerontology, Broca Hospital, Paris, France ; (2) Laboratoire de Protéomique Clinique, Department of Biochemistry, Saint Eloi Hospital, RNC, Inserm U1188, France ; (3) CERM de Lille, Department of Neurology, Lille, France ; (4) Centre de Psychiatrie et Neurosciences, Université Paris Descenes, Paris, France ; (5) University of Lille Nord de France, Department of Biology and Pathology, Lille University Hospital INSEIR M CERMI 1172, Lille, France ; (6) CERM de Strasbourg, Department of Gerontology, Strasbourg, France ; (7) CERM de Montpellier, Department of Neurology, Inserm U1183, Montpellier, France.

OC31 - Online Clinical Research: Updates and Insights from the Brain Health Registry
Shannon Finley, MA1, Diana Truran1, Derek Flenniken1, Juliet Fochtler1, Rachel L. Nosheny PhD1, Monica Camacho1, R Scott Machin PhD2 and Michael W Weiner MD3
(1) Center for Imaging of Neurodegenerative Diseases, San Francisco Veteran's Administration Medical Center, San Francisco, CA, USA ; (2) UCSD Department of Psychiatry, San Francisco, CA, USA ; (3) UCSD 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 I Results
Marc Gurney, PhD1, Chong Zhang PhD2, Ying Xu PhD2, James O’Donnell PhD2, Masahiro Fujita MD, PhD1, Robert Innis MD, PhD1, Victor Piibe PhD1, Sanjay Telu PhD1 and Scott Reines, MD, PhD1
(1) Tetra Discovery Partners, Inc. Grand Rapids, MI, USA ; (2) School of Pharmacy and Pharmacological Sciences, University at Buffalo, Buffalo, NY, USA ; (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 MS1, Kara Ramsey, BS1, James Bollinger PhD1, Terry Hichs, BA1, Theresa Schneider1, Thomas Kasten, PhD1, Wendy Sigurdson, RN1, Melissa Sullivan, MS1, Tamara Donahue1, RN, Katrina Paumier, PhD1, David Holtzman MD, PhD1, John Morris, MD1, Tammie Benzinger MD, PhD2,3, Anne Fagan PhD2,3, Bruce Patterson, PhD1, and Randall Baleman, MD1
(1) Department of Neurology, Washington University School of Medicine, St Louis, MO, USA ; (2) Hope Center for Neurological Disorders, Washington University School of Medicine, St Louis, MO, USA ; (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, PhD1, Mart A. Mintun, MD2, Adam J. Schwarz, PhD2, For the Alzheimer’s Disease Neuroimaging Initiative1
(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 Ib/2a Safety Trial Outcomes
Lon S Schneider, MD1, Michael Grundman, MD, MPH2, MS, Steven DeKosby, MD3, Roger Morgan, MD3, Robert Gutendorf1, Michelle Higgin, PhD1, Julie Pribyl1, Kelsie Mozoni1, Nicholas J Izzo, PhD1, Hank Safferstein, PhD1, Celine Houser, RN1, Michael Woodward, MD2, Susan M. Catalano, PhD3
(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) MedSurf Inc, LLC, Raleigh, NC, USA; (6) Aclaro Pharmaceutical Development Group, Inc, Vienna, VA, USA; (7) PharmaDirections, Cary, NC, USA; (8) Memory and Wound Clinics, Austin Health, Melbourne, Australia

LB14 - “Proxy Antigens”: A new, definitive tool to guide successful clinical trials
Reddy Moela, PhD1, Ronald N. Zucherman, PhD2, William Shelander, MSE1
(1) Arven AlzdX Inc., Berkeley, California, USA. (2) Molecular Foundry, Lawrence Berkeley National Laboratory, Berkeley, California, USA
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; Thérèse Jonveaux, MD; Antoine Verger, MD, PhD; Pierre Krolak-Salmon, MD, PhD; Claire Houzard, MD; Olivier Godefroy, MD; Trevor Shields, MD; Audrey Perrotin, PhD; Rossella Gismondi, MD; Santiago Bullich, PhD; Aleksandar Jovaletic, PhD; Nicola Raffa, MSIO; Florence Pasquier, MD; Francine Semah, MD; Bruno Dubois, MD; Marie Odile Habert, MD; David Wallon, MD; Mathieu Chastain, MD; Pierre Payoux, MD; Andrew Stephens, MD, PhD; Eric Guedj, MD, PhD.
(1) AP-HM - Hôpital de la Timone, Neurology and Neuropsychology Department, and Aix Marseille University, Inserm, INRA, Institute of Neuroscience des Systèmes, Marseille, France; (2) CHRU de Nancy - Hôpital Brabois, Geriatric Department, Vandœuvre-les-Nancy, France; (3) INSERM U947, AD, Nancy, France; (4) Clinical and Research Memory Center of Lyon, Hospices civils de Lyon, UCBL, Inserm, U824, 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 IIT, Université de Lille, CHU, DistAlz, Lille, France; (12) Univ. Lille, U117, CHU Lille, Nuclear Medicine Department, Lille, France; (13) CHU de Rouen - Hôpital Pitié Salpêtrière, Memory and Alzheimer Disease Institute, I3CA, Paris, France; (14) Laboratoire d’Imagerie Biomédicale, Sorbonne Universités, UPMC, Univ Paris, Inserm U1166, CNRS UMR 7371, Paris, France; (15) CHU de Rouen - Hôpital Charles Nicolle, Neurology Department, Rouen, France; (16) Centre Henri Beaufays, 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, CEI-MED, 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 IB study in patients with prodromal or Mild Alzheimer’s disease
Philipp von Rosenstiel, MD; Sarah Gheuens, MD, PhD; Tianle Chen, PhD; John O’Gorman, PhD; Ping Chiao, PhD; Guanfang Wang, PhD; Christian von Hehn, MD, PhD; LeAnne Skordos, PharmD; Christoph Hock, MD; Roger Nitsch, MD; Samantha Budd Haeberlein, PhD; Alfred Sandrock, MD, PhD.
(1) Biogen, Cambridge, MA, USA; (2) Cytel, Cambridge, MA, USA; (3) Neurimmune, Schlieren-Zurich, and University of Zurich, Switzerland;

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) 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) 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) EIP Pharma, LLC, Cambridge MA, USA

Lunch* (ABC Rooms) *only for attendees who purchased the lunch package
and Poster Session (Georgian Room and Ballroom Foyer)
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
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, PhD1; Laura Campo2; Dhaval Desai3; Hans Peter Hundemer4; Octavio Rodriguez-Gomez, MD5; Bengt Winblad, Prof, MD, PhD6; Franti Jessen, MD, PhD7; Peter Jelle Visser, MD, PhD8; Milica Kramberger, MD, PhD9; Rafael Simó, MD, PhD10; Rafael Navajo11; Annette Dumas12; Jean Georges, BA13; David Krivec14; Peggy Maguire15; Dereck MacKenzie16
(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 Institute, 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 (IHRH), Barcelona, Spain; (10) CMV Soluciones Globales Internet S.A.U, Barcelona, Spain; (11) ASDM Consulting, Auderghem, Belgium; (12) Alzheimer Europe, Luxembourg, Luxembourg; (13) Spanimexa – Alzheimer Slovenia, Ljubljana, Slovenia; (14) European Institute of Women’s Health, Dublin, Ireland; (15) KITE Innovation (Europe) Ltd, Huddersfield, United Kingdom

Oral Communications

Chairs: Matthieu Ceccaldi and Curtis Tatsuoka

Jason Hassenstab, PhD1,2,3,4, Andrew J. Aschenbrenner, PhDD1,3,4, Martin J. Slivinski, PhD4, Eric McDade, DO1,3,4, Yen Ying Lim, PhD4, Paul Maruff, PhD3,4, David A. Balota, PhD1,2,4, John C. Morris, MD1,4, Randall J. Bateman, MD1,3,4, & The Dominantly Inherited Alzheimer Network-Trials Unit.
(1) Department of Neurology, Washington University School of Medicine, St. Louis, MO USA; (2) Department of Psychological & Brain 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 PhD1, Judith Jaeger PhD2,3, Nancy Maserejian ScD4, Ahmed Enayatallah5, Alan Lerner1,5, Yanming Wang6, Sheng Yang7, Wenting Wang8, Shijia Biang9, Curtis Tatsuoka PhD1,5 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, PhD1, Mark Belger, BSc1, J. Scott Andrews, PharmD2, Antje Tochhorn-Heidenreich, MSc3.
(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, MS1, Johann Meunier, PhD2, Francois J. Roman, PhD3, Jacques Touchon, MD, PhD4,5
(1) REGEnLIFE SAS, Montpellier, France; (2) Amylgen SAS, Montferrier-sur-Lez, France; (3) INSERM U1061, Montpellier, France; (4) University of Montpellier, France
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 Hatami1, Subrata Dutta2, Alejandro Rodriguez2, Patricia Spilman1, Jevgenij Rastatov2, Charles Glabe1, and Varghese John1
(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

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, PhD1; Frédéric Parmentier, PhD2; Ene I Ette, PhD3; Emmanuel O Fadiran, PhD3; Christopher U Missling, PhD3; (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, MS1; Gayle K. Deutsch, PhD2; Lu Tian, ScD, MS2; Kara Richardson3; Maria Coburn1; Jennifer Guadisoł, Tatiana Marcal1; Ethan Solomon, MS5; Athanasia Boumis1; Anthony Bet4; Steven P. Braithwaite, PhD5; Sam Jackson, MD, MBA6; Karoly Nikolich, PhD6; Darby Stephens6; Geoffrey A. Kerchner, MD, PhD, Tony Wyss-Coray, PhD6; (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 (5) Endocrinology, University of Southern California, Los Angeles, CA, USA (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, PhD1,2; Kaj Blennow, PhD3,4; Pieter Jelle Visser, PhD5,6; Alina Solomon, MD, PhD7,8,9; Suzann B Hendrix, PhD10; Milla Kiwipelo, MD, PhD11,12; Hilkka Soiminen, MD, PhD13,14,15 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, Sahlgrenska Academy at University of Gothenburg, Mölndal, Sweden (4) Clinical Neurochemistry Laboratory, Sahlgrenska University Hospital, Mölndal, Sweden (5) Department of Psychiatry and Neuropsychology, Alzheimer Centre 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, VVS, Karolinska Institute, Huddinge, Sweden (9) Clinical Trials Unit, Department of Geriatric Medicine, Karolinska University Hospital, I4152 Huddinge, Sweden (10) Pentara Corporation, Salt Lake City, UT, USA (11) Neurocenter, Department of Neuroscience, Kuopio University Hospital, Kuopio, Finland
Wednesday, November 1 and Thursday, November 2:
All posters presentations will be in Georgian Room (Mezzanine Level)

- **Theme 1. Clinical trials: Methodology**  
  Pages 20 - 23  
  P1 to P25 and LBP1 to LBP12

- **Theme 2. Clinical trials: Results**  
  Pages 24 - 26  
  P26 to P42 and LBP25 to LBP32

- **Theme 11. New therapies and clinical trials**  
  Pages 27 - 29  
  P114 to P129 and LBP15 to LBP24

Friday, November 3 and Saturday, November 4
All posters presentations will be in Georgian Room and Ballroom Foyer (Mezzanine Level)

- **Theme 3. Clinical trials: Imaging**  
  Pages 30 - 31  
  P43 to P55 and LBP35 to LBP38

- **Theme 4. Clinical trials: Biomarkers including plasma**  
  Pages 32 - 35  
  P56 to P77 and LBP39 to LBP46

- **Theme 5. Clinical trials: Cognitive and functional endpoints**  
  Pages 36 - 37  
  P78 to P86 and LBP47 to LBP49

- **Theme 6. Cognitive assessment and clinical trials**  
  Pages 37 - 38  
  P87 to P92 and LBP50 to LBP59

- **Theme 7. Behavioral disorders and clinical trials**  
  Page 39  
  P93 to P96 and LBP60 to LBP62

- **Theme 8. Health economics and clinical trials**  
  Page 40  
  P97 to P99 and LBP63 to LBP64

- **Theme 9. Epidemiology and clinical trials**  
  Pages 40 - 41  
  P100 to P108

- **Theme 10. Clinical Trials: Animal Models**  
  Page 42  
  P109 to P113 and LBP13 to LBP14
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, MD1, Atsushi Iwata, MD1, Kazushi Suzuki, MD1, Ryoko Ihara, MD1, Hiroyuki Arai, MD1, Kenji Ishii, MD1, Michio Senda, MD1, Kengo Ito, MD1, Takeshi Illeuchi, MD1, Ryozo Kuwano, MD1, Hiroshi Matsuda, MD1, for the Japanese ADNI and Chung-Kai Sun2, PhD, Laurel Beckett PhD3, Paul Aisen, MD4, Michael Donohue, PhD3, 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.D1., Ho-Lan Peng, Ph.D1., Valory N. Pavlik, Ph.D2 (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 FRCPC1, Stephen G. Thein, PhD2, Ian Cohen, MD CCFP1, Sophia Marie Pogralghan, 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.D1, Lev Gerstl, MD2, Zanya Mendoza, PsyD2, Katrina Patrich, Ph.D.2, Darlene Gullabal, Airybel Rodriguez1, and Stanford Jhee, PharmD1 (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, MD1 Mette G. Shahsen 2 Susanne B. Olesen 3 Aina S. Lihn, MD, PhD 2 Ulla Schmidt, MD 4 Hans Chr. Hoech 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, MD1, Atsushi Iwata, MD1, Kazushi Suzuki, MD1, Takeshi Iwatsubo, MD1, Hiroyuki Arai, MD1, Kenji Ishii, MD1, Michio Senda, MD1, Kengo Ito, MD1, Takeshi Illeuchi, MD1, Ryozo Kuwano, MD1, Hiroshi Matsuda, MD1, 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, PhD1, Chenguie Xiong, PhD2, Eric M. McCade, DO2, Jason Hassenstab, PhD1, Anne M. Fagan, PhD1, Tammie L.S. Benning, MD1, John C. Morris, MD1, Andrew J. Aschenbrenner, PhD1, Randall J. Bateman, MD1 (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, PhD1, Nan Hu, PhD1, Michael Malek-Ahmadi, MSc2, Yinghua Chen, MSc2, Pierre Tariot, MD2, Eric M Reiman, MD2, Francisco Lopera, MD1, Kewei Chen, PhD2, Ronald Thomas, PhD2
(1) Genentech, Inc, South San Francisco, CA, USA. (2) Banner Alzheimer’s Institute, Phoenix, AZ, USA. (3) Universidad de Antioquia, Medellin, 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, PhD1, Kate Zhong, MD1, John Dwyer, JD1, Jason Borh, MA1, Gabe Goldfeder, MA1
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, MD1, Felix Müller-Sarnowshi, MD1, Bing Si, PhD1, Jing Li, PhD1, Timo Grimm, MD1
(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, PhD1,2,3, Nathan Herrmann, MD, FRCPC1,2,3, Eleanor H. Abraham, BSc1,2, Chelsea Sherman, BSc1,2,3, Nicolaas Paul L.G. Verhoef1, MD, FRCPC, PhD, Alex Köss, PhD, Sandra E. Black1, MD, FRCPC2, Ana C. Andreatza, PhD2 and Krista L. Lanctot, PhD2,3
(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 Fockler1,2, Rachel L Nosheny PhD1,2, Diana Truran1, Shannon Finley, MA1, Monica Camacho1, Dereth Flenksten1, Aaron Ulbricht1, R Scott Machin, PhD1,2, Gil Rabinovici MD1,2, and Michael W Weiner MD1,2
(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, PhD1, Michele Moruzzi, PhD1, Francesco Amenta, MD1
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, PhD1, Peter Draxler, PhD1, Gísli Johannesson, PhD1, Magnus Johannsson, MSc1, Thorhild Gudmundsdottir, MSc1, Jon Snaedal, MD2
(1) Research and Development, MentisCura, Reykjavík, Iceland. (2) Geriatrics, Landsdalsi University Hospital, Reykjavík, Iceland.

**P18:** Identifying Elevated Rates of CDR Scoring Errors: The Cognitive-Functional Difference Score
Christopher Weber, PhD1, Selam Negash, PhD1, Michael Ropachi, PhD1, Michael Randolph, PhD1
(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, PhD1, Sophie Guyonnet, PhD1, Corina Boschat PhD1, Julie Hudry PhD1, Sandrine Andrieu MD, PhD2,3, Jeronen Schmitt PhD1,5, Bruno Vellas MD, PhD1
(1) Gerontopôle, Department of Geriatrics, CHU Toulouse, Purpan University Hospital, Toulouse, France. (2) UM51027, 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.
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**P20:** Validating Trial Power in Presence of Non-Random Dropouts Using Disease Simulation
Ali Tafazzoli, PhD1, Peter L. Quon, MPH1, Sean Stern, MS1, Anuraag Kansal, PhD1
(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, PhD1; Michael Rosenblum, PhD2; Jon Steingrimsson, PhD2; Aidan McDermott, PhD2; Arnold Bakter, PhD2; Michela Gallagher, PhD3
(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

**P22:** An open-source implementation of data standards for Alzheimer’s Disease clinical trials
Chung-Kai Sun, MS1; Michael Donohue, PhD1; Karin Ernststrom, MS1; Yanxin Jiang, MS1; Zeyun Lu, MS1; Paul Aisen, MD1, Rema Raman PhD1
(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, PhD1,2; Jordan M. Barbone, BS1, Sarah M. Karas PsyD1, H. Todd Feaster PsyD1
(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. Solomon1,2, PhD; H. Todd Feaster PsyD1, Jordan M. Barbone, BS1 and David S. Miller, MD, MA1
(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, MD1,2; Elisabeth Bourkel, PhD1; Jean-Paul Steinmetz, PhD1,2
(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, MD1,2; Brittany Fox, BS1; Chelsea Steinmetz, BA1, Sabrina Schoneberg, BA1
(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
El 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 Chen1, P. N. Wang2, M. J. Chiu, MD3, C. C. Huang4, C. C. Chang5, T. C. Yen6, K. J. Lin6, John Seibyl7, Jacob Hesterman8, 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 Camacho1,2, Rachel L Nosheny PhD1,2, Shannon Finley MA1, Derek Flenniken1,2, Juliet Fochler2, R Scott Machin PhD2,3, Diana Truran-Sacrey1, Aaron Ulbricht1,2, J Wesson Ashford1,3, Curtis B Ashford2, Gil Rabinovici MD1, James Hendrix6, Maria Carrillo5, and Michael W Weiner MD2

(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 & Behavioral 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 Trebbastoni1, Marco Canevelli1, Federica Quarata1, Fabrizia D’Antonio1, Matteo Cesari2, Giuseppe Bruno1 and Carlo de Lena1

(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, PhD2, Laurie Millar, PhD2, Kaycee M. Sink, MD, MAS2, Jillian Smith, BSc2, Andres Schneider, MD1, Reina Fuji, VMD, PhD1, Angelica Quattino, PhD1, Howard Macey, PhD1, Michael Rabbia, MA1, Susan Yule, B.Pharm1, Susanne Ostrowitzki, MD, PhD1, Paulo Fontoura, MD, PhD1, Rachele Doody, MD, PhD1

(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 BSc1, Emmanuel Fuentes BSc1, Christopher Buchley PhD2, Rabia Ahmad PhD2, Christopher Foley PhD2, Ian Wolber PhD2

(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, MSc1, Devon Gessert, BS1, Elizabeth Shaffer-Bacareza, BS1, Karin Ernstrom, MS1, Rema Raman, PhD1, Paul Aisen, MD1

(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 Uspenksaya-Cadoz, MD, PhD1,2, Kenneth Stanley2, Natalia Balho1, Sadiq Lula1, Sam Khinda2, Milena Kanova, MD2, Penny Randall, MD1, Lynne Hughes2

(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. Belongia1, Sathya N. Ravi1, Rebecca Koscitl, PhD1, Erin Jonaitis, PhD1, Sterling C. Johnson, PhD2, Vikas Singh, PhD1

(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, Won-Iwa Kim, Nagesh Adluru, Rebecca Koscitl, Cynthia Carlsson, Sterling C. Johnson, Vikas Singh

University of Wisconsin–Madison, WI, USA
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, Takeshi Iwatsubo, MD, Kazushi Suzuki, MD, Ryozo Ito, MD, Takashi Itoeuchi, MD, Ryozo Kuwano, MD, Hiroshi Matsuda, MD for the Japanese ADNI

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, Nathan Herrmann, MD, FRCPC, Eleonor H. Abraham, BSc, Chelsea Sherman, BSc, Nicolaas Paul L.G. Verhoef, MD, FRCPC, PhD, Alex Kiss, PhD, Sandra E. Black, MD, FRCPC, Ana C. Andrezza, PhD and Krista L. Lancot, PhD

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

Mark Gurney, PhD, Chong Zhang PhD, Ying Xu PhD, James O’Donnell PhD, Masahiro Fujita MD, PhD, Robert Innis MD, PhD and Scott Reines, MD, PhD

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, A. Porsteinsson, MD, C. SAdowsky, MD, B. Vellas, MD, A. Power, MD, L. Shen, PhD, P. Wang, PhD, J.A. Hey, PhD, M. Tolar, MD, PhD

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

Ann Gooch, PhD, Aaron H Burstney, PharmD, Scott J Brantley, PhD, Michael J Lamson, PhD, Imogene Dunn, PhD, Larry D Altstiel, MD, PhD

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

Aaron H Burstney, PharmD, Michael J Lamson, PhD, Mark Sale, MD, Scott J Brantley, PhD, Ann Gooch, PhD, Imogene Dunn, PhD, Larry D Altstiel, MD, PhD

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

Sharon J. Sha, MD, MS, Gayle K. Deutsch, PhD, Lu Tian, ScD, MSc, Kara Richardson, Maria Coburn, Jennifer Guadisosol, Tatiana Marcal, Ethan Solomon, MSc, Athanasia Boumis, Anthony Betti, Steven P. Braithwaite, PhD, Sam Jackson, MD, MBA, Karoly Niholid, PhD, Darby Stephens, Geoffrey A. Kerchner, MD, PhD, Tony Wyss-Coray, PhD

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

Petr Novak, MD, PhD, Matej Ondrus, MD, MSc, Stanislav Katina, PaedDr. RNDr. Norbert Zilka, MVD, DrSc (Eva Kontsekova, RNDr, Prof, DrSc)
Wednesday, November 1 and Thursday, November 2

P34: Open-Label Extension Study of Idalopirdine as Adjunctive to Donepezil for the Treatment of Mild-Moderate Alzheimer’s Disease
Lutz Frölich, MD1, Jose Luis Molinuevo, MD2, Alireza Atri, MD, PhD3,4, Clive Ballard, MD5, Neli Boneva, MD, PhD3, Marie Aavang Geist, PhD6, Anna Bladström, PhD6, Jeffrey L. Cummings, MD, ScD1, Pierre N. Tariot, MD8
(1) Central Institute of Mental Health, University of Heidelberg, Mannheim, Germany (2) Alzheimer’s disease and other cognitive disorders unit, Neurology Service, ICN Hospital ClinIC i Universitari i Pasqual Maragall Foundation, Barcelona, Spain (3) Ray Dolby Brain Health Center, California Pacific Medical Center, San Francisco, CA, USA (4) Brigham and Women’s Hospital and Harvard Medical School, Boston, MA, USA (5) University of Exeter Medical School, Exeter, UK (6) H Lundbeck A/S, Valby, Denmark (7) Cleveland Clinic Lou Ruvo Center for Brain Health, Las Vegas, NV, USA (8) Banner Alzheimer’s Institute, Phoenix, AZ, USA

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, PhD2, Christian-Alexandre Castellano, PhD1, Melanie Fortier, MSC1, Francis Langlois, PhD1, Tamas Fulop, MD, PhD4, Stephen Cunnane, PhD3
(1) Research Center on Aging, CIUSSS – 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.D1, Mirjana Andjelkovic, PhD1, Nathalie Pross, PhD1, Paul Delmar, PhD1, Nicola Voyle, PhD1, Nelli Esau1, Smiljana Ristic, MD1
(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, PhD1, Anna Carotenuto, PhD2, Angiola M Fasanaro, MD1,2, Valentino Manzo, MD2, Francesco Amenta, MD1
(1) Centre for Clinical Research, Telemedicine and Telepharmacy, University of Camerino, Camerino, (2) Alzheimer’s Evaluation Unit, National Hospital, “A. Cardarelli”, Naples, Italy

P38: Safety and Efficacy Results from Phase 2 pilot trial of GM-CSF/Leutin® in mild-to-moderate AD
Huntington Potter, PhD2, Jonathan H. Woodcock, MD3, Timothy Boyd, PhD2, Stefan H. Sillau, PhD2, Brianne M. Bettcher, PhD2,3, Joseph Daniels1,1, Kate Heffernan,1, and H. Gray2
(1) Rocky Mountain Alzheimer’s Disease Center, Department of Neurology, University of Colorado School of Medicine, Aurora, CO, USA (2) Crnic Institute for Down Syndrome, University of Colorado Anschutz Medical Campus, Aurora, CO, USA (3) Department of Neurosurgery, University of Colorado School of Medicine, Aurora, CO, USA

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, PhD1, Aaron H Burstein, PharmD1, Larry D Altstiel, MD, PhD1
(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 PhD1, Pierre-Jean Ousset, MD2, Florence Pasquier, MD PhD3, Claude Guériot, MD4, Philippe Robert, MD PhD5, Sophie Aubiacome, MD1, Jean-Marc Orgogozo, MD, PhD5, Jacques Hugon, MD, PhD1, Peter Schmitt, PhD1, Anne-Claire Coyne, PhD5, Rodolphe Hajji, PhD1, René Goedkoop, MD8
(1) Memory Research Resource Center for Alzheimer’s disease, University Hospital Montpellier, France (2) Alzheimer’s Disease Clinical Research Centre, Gérontopôle, Toulouse University Hospital, France (3) Memory Clinic, University Hospital Lille, France (4) Memory Research Resource Center for Alzheimer’s disease, University Hospital La Timone, Marseille, France (5) Memory Center CHU – EHA CotéTel, University of Nice Sophia Antipolis, Nice, France (6) Memory Research Resource Center for Alzheimer’s disease, University Hospital Pellegrin, Bordeaux, France (7) Memory Clinical Center CMMR Paris Nord Ile-de-France, Louis-Lanibosier, Fernand Widal Hospital, AP-HP, Paris, France (8) Pharmex SA, Issy-les-Moulineaux, France

P41: Phase I Study of a Novel Humanized Anti-Amyloid beta (Aβ) Aggregates Specific Antibody KHK6640 in Alzheimer’s Disease
Marc Cantillon, MD1, Louisa Wilson, MSC2, Eri Ohta, PhD1, Niels Prins, MD, PhD1, Niels Andreasen, MD, PhD1, Katsuyoshi Tsukii, MSC1
(1) Kyowa Kirin Pharmaceutical Development, Inc., USA (2) Kyowa Kirin Pharmaceutical Development, Ltd, UK (3) VUmc Alzheimer Center, Netherlands (4) Karolinska University Hospital, Sweden

Hiroyuki Shimada, MD, PhD1, Kenichiro Sugiyama, Pharm.B.2, Yoshiumi Ouchi, MEng2, Katsuyoshi Tsukii, MSC3
(1) Osaka City University Hospital, Osaka, Japan (2) Kyowa Hakko Kirin Co., Ltd, Japan (3) Kyowa Kirin Pharmaceutical Development, Inc., USA
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; Jianping Jia, PhD, MD; Tingting Li, MS; Wei Wang, MD; Tingting Hou, MD; Xiuyu Wang, MD; Hui Xu, MD  
(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; Laila Abdullah, PhD; Fiona Crawford, PhD; Ricardo Segurado, PhD; Suzanne Hendrix, PhD; Brian Lawlor, MBBS. The NILVAD consortium.  
(1)Archer Pharmaceuticals, Sarasota, FL, USA; (2)University College Dublin, Dublin, Ireland; (3)Pentara Corporation, Soft Lake City, UT, USA; (4)Trinity College Dublin, Dublin, Ireland

**LBP28:** Biomarker Outcomes from the Phase Ib/2a Safety Trial of the Anti-Ab Oligomer Drug CT1812 in Alzheimer’s Patients  
Susan M. Catalano, PhD; Lon S Schneider, MD; Steven DeKoshy, MD; Roger Morgan, MD; Courtney Reahlt; Kelsie Mozoni; Nicholas J Izzo, PhD; Michael Grundman, MD, MPH; Michael Schirm, PhD; Rudolf Guibaud, MSC; Daniel Chelsky, PhD  
(1)Cognition Therapeutics Inc., Pittsburgh, PA, USA; (2)Global R&D Partners, LLC, San Diego, California USA; (3)Keci School of Medicine of USC, Los Angeles, CA, USA; (4)McKnight Brain Institute, University of Florida, Gainesville, FL, USA; (5)MedSurge, 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 Ab oligomers and fibrils without evidence of ARIA-E or encephalopathy in a completed Phase I and an ongoing Phase 2a study in Alzheimer's disease.  
(1)United Neuroscience, Inc. Hauppauge, NY, USA; (2)Cogstate Limited, Melbourne, Victoria, Australia; (3)Department of Neurology, Taipei Veterans General Hospital, Taipei, Taiwan; (4)Department of Neurology, National Taiwan University Hospital, Taipei, Taiwan; (5)Department of Neurology, Linchun Chang Gung Memorial Hospital, Taoyuan, Taiwan; (6)Department of Neurology, Kaohsiung Chang Gung Memorial Hospital, Kaohsiung, Taiwan.

**LBP30:** Multiparameter Analyzes of Progression from Mild Cognitive Impairment to Alzheimer’s Dementia: A 10 Year Long-Term Follow-Up Study  
Oliver Peters MD; Dominik Diesing MD; Stefan Klöppel MD; Johannes Komhuber MD; Roberto Goya MD; Jens Wiltfang MD; Isabella Heuser, MD, PhD  
(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; George J. Atiee, MD; Michael Marsman, PharmD and Nadav Friedmann, PhD, MD  
(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; Michael Grundman, MD, MPH; Giridhar Tirucherai, PhDr; Clifford Bechtold, MS; Michael Ahfikian, PhD; Gerry Kolaitis, MS; Lawrence I. Golbe, MD; Lawrence S. Honig, MD, PhD; Stuart Isaacs, MD; Murray Grossman, MD EdD; Nikolaus R. McFarland, MD, PhD; Irene Litvan, MD; David S. Geldmacher, MD; Tao Xie, MD, PhD; Yvette Bordelon, MD, PhD; Paul Tuite, MD; Padraig O’Suilleabhain, MD  
(1)Kristol-Myers Squibb, Lawrenceville, NJ, USA and Waltingford, 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.
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, PhD1,2, Mark Taylor, PhD1,2, Nigel Fullwood, PhD1, Maria Michael1, Anthony Aggidis1, Shoona Vincent, PhD1, Mark Dale, MD2
(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 Cummings1, Garam Lee1, Travis Mortsdorf1,4, Aaron Ritter1, Kate Zhong1
(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, MD1,2, Elisabeth Bourhel, PhD1, Jean-Paul Steinmetz, PhD1,2
(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 Willbold1,2, Janine Kutzsche1, Manfred Windisch3, Dagmar Jurgens2
(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, PhD1, Penny A. Dacks, PhD2, Ann Marie Hahe, MD1, James Hendrix, PhD1, Monica Moreno4, Lisa A. Gold, PhD1, Dagmar Theis, PhD1, Mark F. Gordon, M.D.1,2, Voller D. Kern, PhD1, George Vradenburg1
(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, PhD1, Gang Li, MD, PhD1, Ying Chen, PhD1, Ge Gao, MD, PhD1 and Jian Zhao, PhD1
(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 PhD1, Niels Prins MD PhD1, Adriaan Lammertsma PhD2, Maqsood Yaqub PhD2, Hui-May Chu PhD1, Bart van Berckel MD PhD1, John Alam MD1
(1) Department of Neurology and Alzheimer's Center, VU University Medical Center; and the Alzheimer's Research Center (ARC), Amsterdam, NL (2) Department of Radiology & Nuclear Medicine, VU University Medical Center, Amsterdam, NL (3) Anaaxis Corporation, Natick, MA, USA; (4) Elp Pharma LLC, Cambridge, MA, USA

P122: ACD678, A novel gamma-secretase modulator for the treatment of Alzheimer Disease
Bengt Winblad1, Johan Lundtvist2, Helena Karlström1 Magnus Halldin2, Johan Sandin2, Gunnar Nordvall1
(1) Department of Neurobiology, Care Sciences and Society, Center for Alzheimer Research, Division of Neurogeriatrics, Karolinska Institutet, Huddinge, Sweden (2) Alzecure Pharma AB, Huddinge, Sweden
POSTER PRESENTATIONS

Wednesday, November 1 and Thursday, November 2

**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 Alam¹, Charlotte Teunissen²

(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, PhD¹,², PhD, Gunnar Nordvall¹,², PhD, Johan Lundtwist¹,², PhD, Magnus Halldin¹,², PhD, Märta Dahliström³, M.Sc. and Maria Eritsdotter⁴, MD, Prof, and Johan Sandin², 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. Dewji¹,², S. Jonathan Singer¹,³, Leah Hanson⁴, William Frey¹, Bruce Morimoto¹, David Johnson¹,², Daniel Dolan¹, Bruce A. Razafinena

(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) Celereon 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 Johansson¹, Anat Boehm-Cagan³, Henrik Zetterberg³,⁴,⁵, Kaj Blennow¹,³,⁵, John K. BIELICKI¹, Daniel M. Michaelson²

(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 Academy 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, Berkeley, 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, PhD¹, Étienne Croteau, PhD², Melanie Fortier, MSc³, Christian Boci³, MD⁴, Tamas Fulop, MD⁵, Guy Lacombe, MD⁶, Nancy Paquet, MD⁷, Isabelle Dionne, PhD⁸ and Stephen Cunnane, PhD⁹

(¹ Research Center on Aging, CRASSSSE – CHUSS, 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 BIIBO76 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, PhD¹, Renny Abraham, PhD¹, Vijay Benade, MS¹, Pradeep Jayarajan, PhD¹, KoteshwaraMudigonda, PhD¹, JyothsnaRa-
vula, MS¹, Devender Reddy Ajjala,PhD¹, Ramasasya Kambhampati, PhD¹, Pranith Reddy Bandyala, PhD² and VentkatJasthi MS²

(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 Singh¹ and Charles Ramassamy¹

(¹ IITRS- Institut Armand Frappier, Laval, Quebec, Canada)
Wednesday, November 1 and Thursday, November 2

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

Paul A Newhouse, MD; Alexandra Key, PhD; Alexander Conley, PhD; Robert Gould, PhD; Carrie Jones, PhD
(1) Center for Cognitive Medicine, Department of Psychiatry and Behavioral Sciences, Vanderbilt University Medical Center; (2) Vanderbilt Kennedy Center, Vanderbilt University; (3) Vanderbilt Center for Neuroscience Drug Discovery, Department of Pharmacology, Vanderbilt University

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

Jianping Jia, MD; Cuibai Wei, MD; Shuqiang Chen, MD; Fangyu Li, MD; Yi Tang, MD; Lu Shi, MD; Min Gong, MD; Hui Xu, MD; Fang Li, MD; Jia He, MD; Haiqing Song, MD; Shanshan Yang, MD; Aihong Zhou, MD; Fen Wang, MD; Xiumei Zuo, MD; Changbiao Chu, MD; Junhua Liang, MD; Longfei Jia, MD; Serge Gauthier, MD
(1) Department of Neurology, Xuan Wu Hospital, Capital Medical University, Beijing, China; (2) Beijing Key Laboratory of Geriatric Cognitive Disorders; (3) Center of Alzheimer’s Disease, Beijing Institute for Brain Disorders, Beijing, China; (4) Key Laboratory of Neurodegenerative Diseases, Ministry of Education, Beijing, China; (5) National Clinical Research Center for Geriatric Disorders, Beijing, China; (6) Department of Gerontology, FuJing Hospital, Capital Medical University, Beijing, China; (7) Department of Health Statistics, Second Military Medical University, Shanghai, China; (8) Department of Neurology, Daping Oilfield General Hospital, China; (9) Department of Neurology, Henry Ford Hospital, Detroit, USA; (10) Centre for Studies in Aging, McGill University, Montreal, Canada

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

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; E. Hart, PhD; A. Maeliche, PhD; Sonja Simpraga, Klaus Linken-Ah-Lei, Simon-Shlomo Poli, G.J. Groeneveld, MD, PhD
(1) Neurodyn Cognition Inc., Charlottetown, PE, Canada; (2) Centre for Human Drug Research (CHDR), Leiden, the Netherlands; (3) Galantos Pharma, Neder-Olm, Germany; (4) Vrije Universiteit Amsterdam, the Netherlands; (5) NBT Analytics BV, Amsterdam, the Netherlands

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

Dulce Papy-Garcia, PhD; Andreas Houston, MD; Anne Le, MD; Tanguy Netter, MD; Christophe Et’Hart, PhD; Mariel Pons, PhD; Simon-Shlomo Poli, PhD; G.J. Groeneveld, MD, PhD
(1) CRRET-CNRS 9215, Université Paris Est Créteil, Créteil, France; (2) CNRS, Université Paris Est Créteil, Créteil, France; (3) ENS Paris-Saclay, Université Paris Est Créteil, Créteil, France; (4) CRRET-CNRS 9215, Université Paris Est Créteil, Créteil, France; (5) ENS Paris-Saclay, Université Paris Est Créteil, Créteil, France

LBP24: ALLOPREGNANOLONE AS A REGENERATIVE THERAPEUTIC FOR ALZHEIMER’S DISEASE: PHASE IB/2A OUTCOMES

Roberta Diaz Brinton, PhD; Gerson Hernandez, MD; Christine Solinsky, PharmD; Meng Law, MD; Yonggang Shi, PhD; Dogu Aydogan, PhD; Jin Gahm, PhD; Wendy Mach, PhD; Naoto Kono, MPH; Kathleen Rodgers, PhD; Claudia Lopez; Ronald Irwin, PhD; Michael Rogawski, MD; Chun-Yi Wu, PhD; Lon Schneider, MD
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POSTER PRESENTATIONS

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, MD, PhD; Philippe Robert, MD, PhD; Eric Asseman, MD; Claudine Bert, MD; Mathieu Ceccaldi, MD, PhD; Bruno Dubois, MD, PhD; Stephanie Epelbaum, MD, PhD; Bruno Vellas, MD, PhD; Audrey Gabelle, MD, PhD
(Clinical and Research Memory Centre of Lyon, Hospices civils de Lyon, University Lyon 1, INSERM U1028, UMR CNRS 5292, Lyon, France; Clinical and Research Memory Centre of Nice, France; Memory Clinic Alpes Nord, France; University of Montpellier, 34093 Montpellier, France; Clinical and Research Memory Centre of Paris Pitié-Salpêtrière, France; Clinical and Research Memory Centre of Toulouse, France; Clinical and Research Memory Centre of Montpellier, France)

P44: Divergent topological networks of grey and white matter in Alzheimer’s disease: A diffusion kurtosis imaging analysis
Jun Xu1, Hongying Zhang2, Jiaxing Cheng1
(1) Neurology Department, Northern Jiangsu People’s Hospital, Yangzhou University, Yangzhou, China; (2) Radiology Department, Northern Jiangsu People’s Hospital, Yangzhou University, Yangzhou, China

P45: Impact of two distinct MRI parallel imaging implementations on hippocampal volume estimates obtained from two methodologically different methods
Oliver Peters, MD1; Per Suppa1,2; Catharina Lange, MSC3; Ralph Buchert, PhD4; Lothar Spies, PhD4; Isabella Heuser, MD, PhD5
(1) Department of Psychiatry, Charité, Berlin, Germany; (2) Jung diagnostics GmbH, Hamburg, Germany; (3) Department of Nuclear Medicine, Charité, Berlin, Germany; (4) Department of Nuclear Medicine, University Medical Center Hamburg-Eppendorf, Germany

P46: MRI markers of neurodegeneration in preclinical Alzheimer’s disease
Adam J. Schwarz, PhD1; Michael G. Case, MS1; Peter F. Castelluccio, MS1
(1) Eli Lilly and Company, Indianapolis, IN, USA

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, PhD1; Klaus Romero, MS, MD1; Derek L. Hill, PhD2; Patricia Cole, MD, PhD2; Dawn Matthews, PhD2; Gerald Novalt, MD3; Volker D. Kern, PhD1; Robin Wolz, PhD1; Richard Meibach, PhD2; Jackson Burton, PhD3; Brian Corrigan, PhD4; Timothy Nicholas, PhD4; Danny Chen, PhD4; Julie Stone, PhD4; Vikram Sinha, PhD4; Brian Willis, PhD4; Wenping Wang, PhD4; Stephen P. Arneric, PhD4; Richard Meibach, PhD6; Jackson Burton, PhD1; Brian Willis, PhD4; Wenping Wang, PhD4; Stephen P. Arneric, PhD4; (1) Critical Path Institute, Tucson, AZ, USA; (2) XICO, London, United Kingdom; (3) Advisor, MA, USA; (4) ADMDX, Chicago, IL, USA; (5) Janssen Pharmaceutics (J&J), Titusville, NJ, USA; (6) Advisor, NJ, USA; (7) Pfizer Inc, Groton, CT, USA; (8) Merck, West Point, PA, USA; (9) Eli Lilly, Indianapolis, IN, USA

P48: Cerebral Atrophy in Alzheimer’s Disease Patients: Effect of Combined Therapy Between the Cholinesterase Inhibitor Donepezil and the Cholinergic Precursor, Choline Alphoscerate
Enea Traini, PhD1; Anna Carotenuto, PhD1,2; Angiola Maria Fasanaro, MD2; Francesco Amenta, MD1
(1) Centre for Clinical Research, Teleremedicine and Telepharmacy, University of Camerino, Camerino, (2) Alzheimer Evaluation Unit, National Hospital, “A. Cardarelli”, Naples, Italy

P49: Cerebral hypoperfusion is not associated with an increase in β-amyloid pathology
Ruben Smith, MD, PhD1; Sebastian Palmqvist, MD, PhD1,2; Hanna Ljung, MS3,2; Tobias Cronberg, MD, PhD1,3; Danielle van Westen, MD, PhD1,4; and Oskar Hansson, MD, PhD1,5
(1) Lund University, Clinical Memory Research Unit, Dept. of Clinical Sciences Malmö, Malmö, Sweden; (2) Skåne University Hospital, Dept. of Neurology, Lund, Sweden; (3) Lund University, Skane University Hospital, Department of Clinical Sciences, Neurology, Lund, Sweden; (4) Lund University, Skane University Hospital, Department of Clinical Sciences Lund, Diagnostical radiology, Lund, Sweden; (5) Skåne University Hospital, Memory clinic, Malmö, Sweden

P50: Optimized detection of disease and treatment effect in preclinical and prodromal autosomal dominant Alzheimer’s disease with imaging biomarkers
Dawn C Matthews MS MM1; Ana S Luhic PhD1; Randolph D Andrews MS1; Miles N Wernick PhD1,2; Stephen C Strother PhD1,3; Tammie L S Benzinger MD PhD1,5; Dominantly Inherited Alzheimer Network
**P51: Cognitive Function and Prevalence of Amyloid Pathology in Frail Adults – The COGFRAIL Study**
Sourdet S, MD, Soriano G, RD, Steinmeyer Z, MD, Delrieu J, MD, Osset Pj, MD, Vellas B, MD, PhD.
(1)Gérontopôle, Centre Hospitalier Universitaire de Toulouse, Toulouse, France.

**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, Ziad Saad, Hartmuth Kolbl, Gerald Novak, Nzeera Ketter, Nandini Raghavan, Chi Udeh-Momoh, Nina Mansoor, Michael Ropach, Shenyi Meeh, Robert Perneckzy, Steve Einstein, Gary Romano and Leftos Middleton
(1)Kanssen Neuroscience LLC, California, USA (2)Kanssen Neuroscience LLC, New Jersey, USA (3)Neuroepidemiology and Ageing Research, Imperial College London, London, UK (4)MedAvante Inc., New Jersey, USA

**P53: Impact on Sample Size and Screening Using Amyloid Visual Read versus Quantitative Values for Inclusion**
Donald G. McLaren, PhD, Felix Carbonell, PhD, Alex P. Zijdenbos, PhD, Barry J. Bedell, MD,PhD
(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, Janos Redei, MD, PhD, John Mann, MD, Ramin Parsey, MD, PhD
(1) GDDx, 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, Beth Gorman, BS CNMT, Maureen Runtle, BS CNMT, Nicolas Pannetier, PhD, David Scott, PhD, Joyce Suhy, PhD
(1)Bioclinica, Newark, CA, USA; 2Bioclinica, Philadelphia, PA, USA

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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, Sandra Sanabria Bohorquez, PhD, Paul T. Manser, PhD, Edmond Teng, MD PhD, Gai Ayalon, PhD, Kristin R. Wildsmith, PhD, Geoffrey A. Kerchner, MD PhD, Robby M Weimer, PhD
(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, Henryk Barthel, MD, PhD, Santiago Bullich, PhD, Norman Koglin, PhD, Georg A. Becker, PhD, Aleksandar Jovaletic, PhD, Susan De Santi, PhD, Osama Sabri, MD, PhD
(1) Piramal Imaging GmbH, Berlin, Germany (2) Department of Nuclear Medicine, University Hospital Leipzig, Leipzig, Germany (3) Piramal Pharma Inc., Boston, MA, USA

**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, Suthanika Mathoaarachchi MSc, Min Su Kang BSc, Joseph Ttherriault, Monica Shin MSc, Andrea L. Benedet MSc, Sara Mohades BSc, Jean-Paul Soucy MD, MSc, Serge Gauthier MD, FRCPC, and Pedro Rosa-Neto MD, PhD for the Alzheimer’s Disease Neuroimaging Initiative**
(1)Translational Neuroimaging Laboratory, The McGill University Research Centre for Studies in Aging, Alzheimer’s Disease Research Unit, Douglas Hospital, McGill University, Montreal, Canada. (2)Department of Neurology and Neurosurgery, McGill University, Montreal, Canada. (3)Montreal Neurological Institute, Montreal, Canada. (4)PERFORM Centre, Concordia University, Montreal, Canada.
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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 therapeutics for Alzheimer’s disease

Christoferos Hadjichrysanthou, PhD1, Alison Ower, MSc1, Stephanie Evans, PhD1, Kevin McRae-McKee, MSc1 Mei Mei Wong, PhD1, Frank de Wolf, MD, PhD2, Roy M. Anderson, PhD1

(1) Department of Infectious Disease Epidemiology, School of Public Health, Imperial College London, London, United Kingdom (2) Janssen Prevention Center, Leiden, The Netherlands

**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, PhD1; Ming-Jang Chiu, MD, PhD2; Ta-Fu Chen, MD, PhD3 and Shieh-Yueh Yang, PhD1

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

**P58:** A cross-validation study on plasma biomarker study in clinical diagnosis of Alzheimer’s disease

Ming-Jang Chiu, MD4, Ta-Fu Chen, MD, Chaur-Jong Hu, MD2, Sui-Hing Yan, MD3, Yu Sun, MD4, Bing-Hsien Liu, PhD2, Yun-Tsui Chang, MS5, Che-Chuan Yang, PhD1; and Shieh-Yueh Yang, PhD3

(1)Department of Neurology, National Taiwan University Hospital, College of Medicine, National Taiwan University, Taipei, Taiwan (2) Department of Neurology, Taipei Medical University, Shuang-Ho Hospital, New Taipei City, Taiwan (3) Department of Neurology, Renai Branch, Taipei City Hospital, Taipei, Taiwan (4) Department of Neurology, En Chu Kong Hospital, New Taipei City, Taiwan (5)MgQu Co., Ltd, New Taipei City, Taiwan

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

H.N. YASSINE1, V. RAWAT1, A. BOEHM-CAGAN2, A. N. FONTEH2, J. JOHANSSON4, J. BIELICK3, H. C. CHUI, D. M. MICHAELSON4, M. G. HARRINGTON2

(1)USC, Los Angeles, CA; (2)Tel Aviv Univ., Herzliya, Israel; (3)Huntington Med. Res. Inst., Pasadena, CA; (4)Artery Therapeut., San Ramon, CA; (5)UC Berkeley, Berkeley, CA; (6)Tel-Aviv Univ., Tel-Aviv, Israel

**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, MD1, Do-Gyun Kim, MD, PhD2, Bon D Ku, MD3

(1) Department of Ophthalmology, Kim’s Eye’s Hospital, Konyang University, South Korea (2) Department of Ophthalmology, Myongji Hospital, Seonam University College of Medicine, South Korea (3) Department of Neurology, International St. Mary’s Hospital Institute for Translational & Clinical Research College of Medicine Catholic Kwandong University, South Korea

**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 Watimo, RN, BSc, PhD1, Kai Blennow, MD, PhD2, Lennart Minthon, MD, PhD2, Oskar Hansson, MD, PhD2

(1) Clinical Memory Research Unit, Department of Clinical Sciences, Malmö, Lund University, Malmö, Sweden (2) Institute of Neuroscience and Physiology, Department of Psychiatry and Neurochemistry, the Sahlgrenska Academy, University of Gothenburg, Mölndal, Sweden

**P62:** An Amyloid Blood Biomarker for Preclinical Alzheimer’s Disease

Klaus Gerwen, Prof., PhD1, Andreas Nabers, PhD1, Julia Lange1, Jonas Schartner, PhD2, Jörn Güldenhaupt, PhD1

(1) Department of Biophysics, Ruhr-University Bochum, Germany

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

Niklas Matsson, MD, PhD1,2,3, Oscar Eriksson, MD1, Olof Lindberg, PhD1, Michael Schöll, PhD1, Björn Lampinen, PhD2, Markus Nilsson, PhD2, Philip S. Insell2,7, Ronald Lautner, MD1,10, Olof Strandberg, PhD1, Daniell van Westen, MD, PhD6, Henrik Zetterberg, MD, PhD9,10,11, Kaj Blennow, MD, PhD1,10, Sebastian Palmqvist, MD1,10, Erik Stomrud, MD, PhD1,2, Oskar Hansson, MD, PhD1,2

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Friday, November 3 and Saturday, November 4

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

Virginia Pérez-Griñalba1, Judith Romerol1, Pedro Pesín1, Leticia Sarasa1, Itziar San-José1, Javier Arbizu1, Lluís Tárraga2, Agustín Ruiz2, Mercé Boada3, Manuel Sarasa1 and The AB255 Araclon Group4.
(I)Araclon Biotech S.L., Zaragoza, Spain (2) Clínica Universitaria de Pamplona, Pamplona, Spain (3) Alzheimer Research Center and Memory Clinic; Fundación ACE. Instituto Catalán de Neurociencias Aplicadas. Barcelona, Spain (4) www.araclon.com

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, PhD1, P. KOCIS, PhD1, S. ABUSHAKRA, MD1, J. YU, MD, PhD2, A. POWER, MD1, K. BLENNOW, MD2, M. TOLAR, MD, PhD1
(1)Alzheon Inc., Framingham, MA, USA; (2)University of Gothenburg, Molndal, Sweden

P66: Elecsys CSF Biomarkers Predict Clinical and Cognitive Outcomes

Chenqie Xiong123, PhD, Dean Coble12, PhD, Julia D. Gray123, BS, Elizabeth Grant12, PhD, Lena McCue123, PhD, John C. Morris123, MD, Jason Hassenstab123, PhD, Richard Batilla1, MD, Udo Eichenlaub1, PhD, Katharina Zinth6, MSc, Sandra Rutz6, PhD, Marian Quan1, BS, MBA, Anne M. Fagan123, PhD
(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) Roche Diagnostics International, Roche Diagnostics GmbH, Penzberg, Germany (7) Roche Diagnostics Operations, Indianapolis, IN, USA

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

Ann De Vos, PhD1, Dirk Jacobs, Eng1, Nele Dewit, BSc1, Carola Schipke, MD, PhD1, Oliver Peters, MD, PhD1, Eugeen Vanmechelen, PhD1
(1)ADx NeuroSciences N.V., Gent, Belgium (2) Charité-Universitätsmedizin Berlin, Memory Clinic at the ECRC, Berlin, Germany

P68: Conversion prevalence among pre-dementia AD patients and risk factors

Beatrice Blanc, PhD13, Nicolas Pelletier PhD23, Clotilde Biscarra', Pauline Martinasso1, Samantha Galluzzi, MD1, Moira Marizzoni PhD4, Jorge Jovicich PhD5, Giovanni B. Frisoni MD6, Gianluigi Forloni PhD7, Diego Albani MSc1, Jill Richardson PhD2, Lucilla Parnetti MD, PhD7, Magda Tsalah MD, PhD7, Flavio Nobili MD1, David Bartre-Faz PhD2, Mira Didic MD7, Peter Schoenemehrt MD7, Pierre Payoux, MD, PhD7, Andrea Soricelli MD6, Paolo M Rossini MD, PhD7, Pieter Jelle Visser MD8, Regis Bordet MD, PhD8, Ute Fiedler PhD9, Olivier Blin MD, PhD9, Joëlle Micallef22, Laura Lanteaume22, Nathalie Sambuchi, PhD9, Isabelle Muraccioni13, Elizabeth Jouve2, Bernard Michel, MD, PhD2, Nathalie Compagnone, PhD2
(1) Departamento de Biostatística, Instituto de Medicina Molecular, Lisboa, Portugal (2) Research Center for Bioprediction of Alzheimer’s Disease, Paris, France (3) IDIBAPS, Barcelona, Catalunya, Spain (4) I2BC, Paris, France

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

Kira Sheinerman, PhD1, Anne Fagan, PhD2, Elizabeth Grant, PhD2, Aabhas Mathur, BS, Beth Shaz, MD2, Jon Toledo, MD, PhD1, David Wolt, MD, John Trojanowski, MD, PhD1, Vladimir Tsvinsky, PhD1, Samuil Umantsky, MD, PhD1
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P71: European validation of the PLM-scale, a cerebrospinal fluid biological scale for positive Alzheimer’s disease diagnosis.
Audrey Gabelle1, Sebastiaan Engelborgh2, Koen Poesen3, Panos Alexopoulos4, Martin Vynhaele5, Julien Dumurgier6, Vincent De la Sayette7, Susanna Schraen8, Stéphanie Bombois9, Mathilde Sauvée10, Jean-Louis Laplanche1, Jakub Hört1, J. Hugo4, F. Pasquier2, Alzheimer’s Disease Neuroimaging Initiative, Sylvain Lehmann11 and Claire Paquet6.
(1)Memory Resources and Research Center of Montpellier, Department of Neurology, CHU Gui de Chauliac; and Montpellier University and IRMB, Inserm U1183, Montpellier, France; (2)University of Antwerp (UA), Belgium; (3)Laboratorium voor Moleculaire Neurobiomarker, Universiteit Hasselt, Hasselt, Belgium; (4)Universiteit Hasselt, Hasselt, Belgium; (5)2nd Faculty of Medicine and Motol University Hospital, Czech Republic; (6)International Clinical Research Center, St. Anne’s University Hospital Brno, Brno, Czech Republic; (7)CMRR, Paris Nord Ile-de-France; (8)CMRR de Caen, France; (9)CMRR de Lille, France; (10)CMRR de Grenoble, Grenoble, France; (11)Laboratoire de Biochimie Laroisioisère-Fernand Vidal Hospital, APHP, Université Paris 7-Denis Diderot, Université Paris Descartes, Paris, France; (12)Laboratoire de Proteomique clinique, Laboratoire de Biochimie and IRMB, Inserm U1183, Montpellier, France.

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 Liptsa, PhD1; Ekaterina Manuilova, MSc1, Christian Knop, PhD1, Tobias Selle, PhD1, Werner Kraus, PhD1, Tobias Oelschlaegl, PhD1, Lars Hillringhaus, PhD1
(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, PhD1, Kaj Blennow, MD, PhD1, Nikki Mattsson, MD PhD1, John Sebly, MD1, Michal Figurshi, PhD1, John Q. Trojanowshi, MD1, PhD1, Katherina Buch, PhD1, Christina Rabe, PhD1, Udo Eichenlaub, PhD1, Sandra Rutz, PhD1, Monika Widmann, ChTech1, Maryline Simon, PhD1, Oskar Hansson, MD PhD1
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P74: Cereuzumab 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 Yoshida1, Anita Moein1, Tobias Bittner2, Lee Honigberg1, Jin Y Jin1, Angelica Quartino1
(1) Department of Pathology and Laboratory Medicine, Perelman School of Medicine, University of Pennsylvania, PA, USA (2) Clinical Neurochemistry Laboratory, Sahlgrensa University Hospital, Malmö, Sweden

P75: HGF is Associated with Decreased Subcortical Gray Matter and Hippocampal Volumes on MRI in Young and Middle-Aged Adults
Mehala R. Raman PhD1,2, Jayandra J. Himali PhD1,2,3, Sarah C. Conner MPH1,2, Charles DeCarli5 MD, Ramachandran S. Vasan, MD1,2, Alexa Beiser PhD1,2,3 Sudha Seshadri MD1,2, Claudia L. Satizabal PhD2,3
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P76: CSF and genetic biomarkers in MCI and AD subjects in J-ADNI for predicting future outcome.
Kazushi Suzuki1, Ryuho Ibara1, Atsushi Iwata1, Taeheki Iwatsubo1, Hiroyuki Iraii1, Kenji Ishi2, Michio Senda3, Kengo Ita3, Taeheki Ikeuchi3, Ryozo Kuwano3, Hiroshi Matsuda4, for the Japanese ADNI
(1) The University of Tokyo, Tokyo, Japan (2) Tohoku University, Sendai, Japan (3) Tohyo 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

P77: Concordance between in vivo amyloid imaging and CSF AD biomarkers measured by the automated LUMIPULSE G assay platform
Anne M. Fagan, PhD1, Julia Gray, BS1, Courtney Supthen, BS1, Amanze Orusakwe, BS1, Gina Jerome, MS1, CJ Traynham, PhD2, Manu Vandijsch, MD1, Zijvena Vucetic, MD, PhD3, Ryan Gailey, MBA1, John Lawson, BS, MT (ASCP)1, Brian Gordon, PhD1, Tammie Benzingter, MD, PhD1, David Holtzman, MD1, John C. Morris, MD1
(1) Department of Neurology, Washington University School of Medicine, St. Louis, MO, USA (2) Fujirebio Diagnostics, Malvern, PA, USA (3) Fujirebio Europe NV, Ghent, Belgium (4) Department of Radiology, Washington University School of Medicine, St. Louis, MO, USA
LBP39: Neuroimaging markers of cerebrovascular disease predict cognitive impairment, brain atrophy and dementia in a cohort of community dwelling elders
Tammy M. Scott PhD1,2, Rafeeqe A. Bhadelia MD3, and Irwin H. Rosenberg MD1,2
(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, PhD1, Randall J. Bateman, MD2, Bruce W. Patterson, PhD1, Justyna A. Dobrowolska Zaharia, PhD1
(1)Department of Cell & Molecular Biology, Northeastern University, Feinberg School of Medicine, Chicago, IL, USA (2) Department of Neurology, Washington University in St. Louis, St. Louis, MO, USA

LBP41: High Serum Levels of Malondialdehyde and 8-OHdG are both Associated with Early Cognitive Impairment in Patients with Acute Ischemic Stroke
Jincai He1, PhD, Zhihua Liu1, Yuntao Liu1, Xinjie Tu1, Huiping Shen1, Huihua Qiu1, Huijun Chen1
(1) Department of Neurology, the First Affiliated Hospital of Wenzhou Medical University, Wenzhou, China

Robert A. Rissman, PhD1, Louise Monte, MS1, Floyd Sarsoza, BS1, Amanze Orusakwe, B.S.1, Ryan Gailey, MBA; John Lawson, B.S., M.T. (ASCP)2, CJ Tranyham, PhD2, Zivjena Vucetic, MD, PhD2
(1) Department of Neurosciences, University of California, San Diego, School of Medicine, (2) Fujirebio Diagnostics, Malvern, PA, USA

LBP43: Utility of Event Related Potentials in a Memory Disorders Clinic
Katherine Turk, MD1,2, Cheongmin Suh1, Prayerna Uppal1, August Price1, Ala’a El-Shaar MS1, Andrew E.udson, MD1,2
(1)Center for Translational and Cognitive Neuroscience, VA Boston Healthcare 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, MD1, Helen M Hochstetler, PharmD2, Melissa Anna Maria Pugh, PhD, MS1, Sara Kollach-Walter, PhD1
(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, PhD1, Joachim Vandroemme, PhD2, Walter Hofer, BSc2, Els Decoster, PhD2, Astrid Coppens, PharmD, DCP2
(1) BARC Global Central Laboratory, Ghent, Belgium (2) CRI Medical Laboratory, Ghent, Belgium

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, PhD1,2, Pieter Jelle Visser, PhD1,2, Alina Solomon, MD, PhD1,2,3, Suzanne B Hendrix, PhD2, Miia Kivipelto, MD, PhD1,2, Hilthta Soininen, MD, PhD1,2 on behalf of the LipiDidiet clinical study group
(1) Deutsches Institut für Demenz Prävention (DIDP), Medical Faculty, Saarland University, Hamburg, Germany (2) Department of Experimental Neurology, Saarland University, Hamburg, 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 Institute, Huddinge, Sweden (9) Clinical Trials Unit, Department of Geriatric Medicine, Karolinska University Hospital, Huddinge, Sweden (10) Pentara Corporation, Salt Lake City, UT, USA (11) Neurocenter, Department of Neurology, Kuopio University Hospital, Kuopio, Finland
P78: Short-term repeat cognitive testing and its relationship to hippocampal volumes in older adults
Kevin Duff PhD1, Jeff Anderson MD PhD2, Atul Mallihi MD PhD2, Kayla R. Suhrie BS1, Bonnie C. Allred Dalley BSI, Taylor J. Atkinson BA1, & John M. Hoffman MD1,3
(1) Center for Alzheimer's Care, Imaging and Research, Department of Neurology, University of Utah, Salt Lake City, UT, USA (2) Department of Radiology, University of Utah, Salt Lake City, UT, USA (3) Huntsman Cancer Institute, University of Utah, Salt Lake City, UT, USA

P79: Development and validation of a short version of the Amsterdam IADL Questionnaire: a potential functional outcome measure for clinical trials
Roos J Jutten, MSc1, Carel FW Peeters, PhD2, Sophie MJ Leijdesdorff, MSc1, Pieter Jelle Visser, MD, PhD4, Andrea B Maier, MD, PhD5,6, Caroline B Terwee, PhD7, Philip Scheltens, MD, PhD7 Sietske AM Sijtkes, PhD7
(1) Alzheimer Center, Department of Neurology, VU University Medical Center, Amsterdam, Neuroscience, Amsterdam, The Netherlands (2) Department of Epidemiology & Biostatistics, Amsterdam Public Health research institute, VU University Medical Center, Amsterdam, The Netherlands. (3) Alzheimer Center Rotterdam, Erasmus Medical Center, Rotterdam, The Netherlands. (4) Alzheimer Center, School for Mental Health and Neuroscience, University Medical Center Maastricht, The Netherlands (5) MOVE Research Institute Amsterdam, Department of Human Movement Sciences, VU University of Amsterdam, The Netherlands (6) Department of Medicine and Aged Care, Royal Melbourne Hospital, University of Melbourne, Australia

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, PhD1, Anzalee Khan PhD1,2, Ioan Stroescu PhD1,2, Kathleen A. Welsh-Bohmer PhD1, Brenda L. Plassman PhD1, Christopher Randolph, PhD1, John Harrison PhD1,2, Adam W. Vaughn, PhD1, Daniela Balentin, MA1, Dean Holbert, BA1, Caty Hooks, MSW1, & Richard S.E. Keefe, PhD2
(1) inVentiv Health, Somerset, New Jersey, United States (2) Centre de Recherche Interdisciplinaire en Readaptation du Montreal, McGill University, (4) MAPI, Lyon, France

P81: Extracting digital biomarkers of sleep from 3-axis accelerometry using Deep Learning
Robin Wolz, PhD1, Janet Munro, MBBS Mphil MRCPsych, Ricardo Guerrero, PhD1, Dereh Hill, PhD1, Yves Dauvilliers, MD PhD1
(1) Ebeling Pic; London, UK (2) Imperial College London, London, UK (3) Sleep Unit, Department Neurology, Centre Hospitalier Universitaire, Montpellier, INSERM 1061, France

P82: Assessing the Potential of Patient Dependence Levels as a Treatment Outcome – Insights from EXPEDITION3
Daniel E. Ball, DrPH1, J. Scott Andrews, PharmD1, Wenyu Ye, PhD1, Ann M. Halte, MDs, Helen M. Hochstetler, PharmD1, Brandy R. Matthews, MD, Kristin K. Wroblewski, PhD1
(J)Eli Lilly and Company, Indianapolis, IN

P83: Maximum Walking Speed, Physical Activity, and AD Biomarkers: Results from the Harvard Aging Brain Study
Dylan R. Kim, MPH1, Rachel Buchley, PhD1,2, & Bernard Hanseewu1, Hannah M. Klein1, Dorene M. Rentz, PsyD1, Reisa A. Sperling, MD MMSc1,2,3, Keith A. Johnson, MD1,2,3
(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) Florey Institutes of Neuroscience and Mental Health, Melbourne, Australia (5) Melbourne School of Psychological Science, University of Melbourne, Australia

P84: Providing Culturally Sensitive Training and Monitoring to Clinicians Administering Functional Assessments in Dementia Global Trials
Magdalena Perez1, Julie Marsh1, Chris Brady1, Patricia Belchior2, Isabelle Gelinas3, Christelle Giroudet4, Caroline Anfray4, Shuhong Zhao1
(1) inVentiv Health, Somerville, New Jersey, United States (2) Centre de recherche Institut Universitaire de Geriatrie de Montreal, McGill University, Montreal, Quebec, Canada (3) Centre de recherche Interdisciplinaire en Readaptation du Montreal, McGill University. (4) MAP, Lyon, France

P85: Gaining Efficiencies in Prevention Trial Design: Sample Size Projections across Categorical and Continuous Cognitive Endpoints
Rebecca L. Kosciel, PhD1, Erin M. Jonaitis, PhD1, Bruce P. Herrmann, PhD2,3, Lindsay R. Clark, PhD1,3, Cindy M. Carlsson, MD, MS1, Sterling C. Johnson, PhD1
(1) Wisconsin Alzheimer’s Institute, Department of Medicine, University of Wisconsin School of Medicine and Public Health, Madison, WI, USA (2) Department of Neurology, University of Wisconsin School of Medicine and Public Health, Madison, WI, USA (3) Geriatric Research Education and Clinical Center, Wm. S. Middleton Veterans Hospital, USA, Madison WI USA
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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, PhD1, Prof. Martin Hofmann-Apitius 1, 2

Let’s discuss the approach to enable the prediction of biomarker trajectories for Alzheimer’s disease.

**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, PsyD1, 2, Kathyk V. Papp, PhD1, 2, Irina Orlovsy, MA2, William Souillard-Mandar4, Dana Penney, PhD3, 4, Randall Davis, PhD4, Keith A. Johnson, MD2, 5

This poster explores the utility of the Digital Clock Drawing Test in capturing subtle cognitive changes and biomarker evidence at the preclinical stage of Alzheimer’s disease.

**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, PhD1, 2, Justin Stanley, BSc1, Helen Wong, MSc1, Arnold Mitnitski, PhD1, 2, Kenneth Rochwood, MD1, 2

This poster discusses the clinical meaningfulness of the CIBIC-Plus scale in relation to goal attainment in participants on cholinesterase inhibitors.

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

Alexandra S. Altman, PhD1, 2, Anzalee Khan PhD1, 2, Ioan Stroescu PhD1, Kathleen A. Welsh-Bohmer PhD1, Brenda L. Plassman PhD1, Adam W. Vaughan, PhD1, Daniela Balenić, MA1, 2, Richard S.E. Keefe, PhD1, 4

This poster assesses iADL functioning in individuals with subjective cognitive decline using the VRFCAT.

**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.**

Mariette Caial, PhD1, Lauren Trottier, MS, CSP1, Katherine Kruzelt, MS1, Pamela Voccia1, Kay Smith, MS, CSP1, Craig Curtis, MD, Ira Goodman, MD1

This poster discusses the use of the CVLT-II as a pre-screening tool to reduce screen fails in MCI clinical trials.

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

Kenton Zavit, Rosemary Abbott, Francesca Cormach, Pasquale Dente, Jennifer H Barnett

Research - BioClinica, Orlando, FL, USA

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

Ellen Grober, PhD1, Amy E. Veroff, PhD2

This poster presents an objective clinical vocabulary for the temporal unfolding of AD biomarkers: stages of objective memory impairment.

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

David Berron1, 2, Hartmut Schützel, Arturo Cardenas-Blanco6, Klaus Flessbach6, Michael Wagner6, Annika Spotte6, Martin Reuter6, 7, Stefan Teipel6, 8, Katharina Bürger6, 8, Schneider, Anja6, 8, Oliver Peters6, 8, Peter Nestor6, 8, Josef Priller6, 8, Jens Willfang6, 8, Christoph Laske6, 8, Frank Jessen6, 8, Emrah Duzel6, 8 and the DELCODE consortium

This poster examines the differential association of object and scene memory with CSF markers of Alzheimer’s Disease and MRI volumetry.
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**P91:** Effectiveness of Rater Training and Data Surveillance in Alzheimer’s Disease (AD) Clinical Trials  
Rolana Avrumson, MS1, Melissa A. Carbo, MS2, Henry J. Riordan, PhD, Michael F. Murphy, M.D., PhD2, 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. Nidos1, D. Kasselimis2, K. Zavitz3, F. Cormack1  
(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, PhD1 and Jesus Gomar, PhD2  
(1)Genetic Psychiatry, Columbia University Medical Center, NYC, NY (2)Jsus 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, PhD2, Clint Hagen, MS5, Henhilt Lof, PhD, Yen Ying Lim, PhD5, Andrew Aschenbrenner, PhD5, Marta Segerdahl, MD, PhD5, Gary Tong, MD, PhD5, Michelle Mielke, PhD5, Jason Hassenstab5, PhD, Nitrii Stritker, PhD5  
(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 Cormack1, Rosa Bachx1, Jack Cotter4, Nich Taptiti5lis, Lucie de Coch32, Kenton Zavit5z, Jennifer H. Barnett13  
(1)Cambridge Cognition, Cambridge, UK (2)Department of Pharmacology, University of Cambridge, UK (3)Department of Psychology, University of Cambridge, UK

**LBP53:** Automated voice-based testing: applications in recruitment of patients in clinical trials  
Nich Taptiti5lis, Francesca Cormack PhD5, Jennifer H Barnett PhD13  
(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, PhD1, Michelle Gee, PhD2, Adrian Schembri, PsyD1, Paul Maruff, PhD1  
(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, PhD1, Matej Rakusa, MD, Miro Cokolic, MD1  
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 Kruzczet, M.S.,Joy Kettren, M.S1, Jennifer Cody, B.S.1, Nichole Stiirvin, B.A1  
(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. Bitt, PsyD2, Alex Lange, MS3, Robert Cosgriff, MS3, Paul Clopton, MS3, Beth Buffalio, PhD34, Stuart Zola, PhD35, Claudia Y. Santos BS6, Peter Snyder, PhD2  
(1) Department of Medicine, Stanford University School of Medicine, Stanford, CA, USA (2)Neurotech Technologies, Inc., Redwood City, California, USA (3)University of California San Diego School of Medicine, San Diego, California, USA (4)University of Washington, Seattle, Washington, USA (5)Emory University Office of the Provost, Atlanta, Georgia, USA (6)Interdisciplinary Neurosciences Program, University of Rhode Island, Kingston, RI, U.S.A (7)Lifespan Clinical Research Center, Rhode Island Hospital, Providence, RI, USA. (8) Department of Neurology, Alpert Medical School of Brown University, Providence, RI, USA.

**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, PhD1, Adrian Schembri, PsyD1, Shau Yu Lynch, PhD1, Bruce Albala, PhD2  
(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, William Souillard-Mandar1, Randall Davis2, Rhoda Au3, Dana Penney1,4
(1) Digital Cognition Technologies, Inc, Waltham, MA, USA (2) MIT Computer Science and Artificial Intelligence Laboratory, Cambridge, MA, USA (3) Boston University Schools of Medicine and Public Health, Boston, MA, USA (4) Lahey Hospital and Medical Center, Burlington, MA, USA

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 MD1, Helen Saillard1, Michal Weingart Ph.D.1, Sharon Mates Ph.D.1

P94: Alzheimer’s Disease Cooperative Study (ADCS) Multicenter Trail: Prazosin for Agitation in Alzheimer’s Disease (PEACE-AD)
Elaine R. Peskind, MD1,2, Murray A. Raskind, MD1,2, Howard Feldman, MD, FRCP3,4; 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, PhD1, Simon Dietlin, MD, Vera Kiyasova PhD2, Maria Pueyo, MD, PhD2, Adeleade de Mauéléon, MD1, Julien Delrieu, MD1, Pierre Jean Ousset, MD1, Bruno Vellas, MD, PhD1
(1) Gerontopôle, INSERM U1027, 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 M1, Waterman F1, Bird S1, De Jong-Laird A1, Baker R1, Mejerian T1
(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, MD1, Gregory H. Pelton, MD2, Kristina D’Antonio, MSW2, Adam Ciarleglio, PhD3, Jennifer Scodes, MS4, Howard Andrews, PhD5, Julia Lumsford, MD1, John L. Beyer, MD1, Jeffrey R. Petrella, MD1, Joel Sneed, PhD5, P. Murali Doraiswamy, MD6
(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) Biostatics, 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, Ken Kramer, PhD, Suzanne Hendrix, PhD, Noel Ellison, MSc, Majid Kerolous, PharmD, MPH
(1) Saint Louis University, Saint Louis, MO, USA (2) Allergan, Jersey City, NJ, USA (3) Penvata 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, MD1, Zachary Kabelac, MEng2, Chen-Yu Hsu, MSc3, Rumen Hristov, MEng4, Patrick Monette, BS5, David Harper, PhD6, William McGrory, LCSW3, Brent Forester, MD1, Dina Katabi, PhD2
(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.
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**Theme 8. Health economics and clinical trials**

**P97: Cost of illness and economic burden of early Alzheimer’s disease: a systematic review**
Richard Lawson, MSc¹, Weiguang Xue, MSc², Adam Lloyd, MPhil³, Christina-Jane Crossman-Barnes, MSc⁴, Rebekah Fong, MSc⁵
(¹AstraZeneca, US (2) QuintilesIMS, UK (3) University of East Anglia, UK)

**P98: Challenges in Optimising Real World Evidence for Alzheimer’s Disease**
Catherine Reed, PhD¹; Frederic de Reydet de Vulpillieres, MSc², John Gallacher, PhD³, and the ROADMAP consortium
(¹Eli 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, PhD¹; Joshua T. Cohen, PhD², Peter J. Neumann, ScD², Carolyn W. Zhu, PhD³, Yaakov Stern, PhD⁴, Sean D. Sullivan, PhD⁵
(¹Hutchinson 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**
Myrleen Sanon Aigbogun, MPH¹; Milena Anatchkova, PhD²; Anne Brooks, BS³; Laura Swett, PhD³; Ann Hartry,³; Ruth A. Duffy, PhD⁴; Ross A. Baker, PhD⁴

**LBP64: The Natural Progression of Agitation in Alzheimer’s Disease/Dementia: A Systematic Literature Review**
Milena Anatchkova, PhD¹; Anne Brooks, BS¹; Laura Swett, PhD¹; Ann Hartry, PhD³; Ruth A. Duffy, PhD³; Ross A. Baker, PhD⁴ Myrleen Sanon Aigbogun, MPH⁴

**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, Jeremiah A. Ahre, MPH², Walter K. Kremers, PhD³, Maria Vassilaki, MD, MD, Michelle M. Mielke, PhD⁴, David S. Knopman, MD⁵, Yonas E. Geda, MD, MD, Preciosa Coloma, MD, PhD⁶, Barbara Schaubie, MD, MD⁶, Val J. Lowe, MD⁷, Clifford R. Jack Jr., MD⁷, Ronald C. Petersen, PhD, MD⁸
(¹Department 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. Hoffman-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 MD¹; Jing Qian PhD²; Rebecca A. Betensky PhD³; Steven E. Arnold MD¹
(¹Department 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)
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**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.
Taiiki Sugimoto, RPT, MSc1,2,4, Takashi Sakurai, MD, PhD1,3, Ai Kimura, RD, MSc2,5, Rei Ono, RPT, MPH2, Naoki Saji, MD, PhD1, Shumpei Niida, PhD2, Kenji Toba, MD, PhD
(1) Center for Comprehensive Care and Research on Memory Disorders, National Center for Geriatrics and Gerontology, Obu, Japan (2) Medical Genome Center, National Center for Geriatrics and Gerontology, Obu, Japan (3) Department of Community Health Sciences, Kobe University, Graduate School of Health Sciences, Kobe, Japan (4) Japan Society for the Promotion of Science, Tokyo, Japan (5) Department of Cognitive and Behavioral Science, Nagoya University Graduate School of Medicine, Nagoya, Japan

**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, PharmD1, Urvi Desai, PhD2, Noam Y. Kirson, PhD2, Miriam Zichlin, MPH,2 Sophie Schonfeld, BA,2 Daniel E. Ball, DrPH1, Colin Green, PhD2
(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, MSc1,2,4 Takashi Sakurai, MD, PhD1,3 Taiiki Sugimoto, RPT, MSc2,4,5 Kazuya Kitamori, RD, PhD1, Naoki Saji, MD, PhD1, Shumpei Niida, PhD2, Kenji Toba, MD, PhD
(1) Center for Comprehensive Care and Research on Memory Disorders, National Center for Geriatrics and Gerontology, Obu, Japan (2) Medical Genome Center, National Center for Geriatrics and Gerontology, Obu, Japan (3) Department of Cognitive and Behavioral Science, Nagoya University Graduate School of Medicine, Nagoya, Japan (4) Department of Community Health Sciences, Kobe University, Graduate School of Health Sciences, Kobe, Japan (5) Japan Society for the Promotion of Science, Tokyo, Japan (6) College of Human Life and Environment, Kinjo Gakuin University, Nagoya, Japan

**P106: **Optimizing Dietary Intervention Studies of Modifiable Risk Factors and Comorbidities for Late Onset Alzheimer’s Disease
Feng-Yen Li, PhD1 and Ann Lam, PhD2
(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 Udoh-Momoh, PhD1 Bowen Su MD1, Geraint J Price, DClinPsych1, David Muller, PhD1, Darina Bassil, MPH1, Catherine Robb, MSc1, Heather Ward, PhD1, Michael T. Ropach1, PhD1,4, Robert Pernecky, MD2,4, Ioanna Tzoulaki, PhD4 and Leif Tos T Middleton, MD1
(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, Nueva León, México.
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Theme 10. Clinical Trials: Animal Models


Aruna SHARMA, José V LAFUENTE, Dafin F MURESANU, Rudy J CASTELLANI, Mark A SMITH, Ranjana PATNAIK, Z Ryan TIAN, Asya OZKIZILCIK, Herbert MÖSSLER, Hari S SHARMA

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**PI10: 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, José V LAFUENTE, Dafin F MURESANU, Rudy J CASTELLANI, Mark A SMITH, Ranjana PATNAIK, Z Ryan TIAN, Asya OZKIZILCIK, Stephen D SKAPER, Herbert MÖSSLER, Aruna SHARMA

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**PI11: Can the use of approved imaging compounds also be used a therapy in Alzheimer’s Dementia**

James Fontanesi MD; Daniel B Michael MD; Alaa Hanna MD; Michael Maddens MD; Prakesh Chitaiyani; Giovanni Fontanesi; Thomas Wilson; Alvaro Martinez MD; Katie Buelow; Barbara Pruetz; George D Wilson Ph.D

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

**PI12: Inhibition of Caspase-1 as a novel treatment against age-dependent cognitive decline and Alzheimer Disease**

Andrea C. LeBlanc, Joseph Flores

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

**PI13: Combination radiation techniques may play a role in the treatment of Alzheimer’s Dementia**

James Fontanesi MD; Daniel B Michael MD; Michael Maddens; Alaa Hanna MD; Thomas G Wilson BS; Giovanni Fontanesi; Prakesh Chitaiyani MD; Alvaro Martinez MD; Katie Buelow; George D Wilson Ph.D

(1)William Beaumont Health Systems (2) 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; Vijay Benade MS; Renny Abraham, PhD; Govindaprasad Bhyrapuneni, PhD; Jyothisna Ravula, MS; Koteshwara Mudigonda, PhD; Devender Reddy Ajiyal, PhD; Ramasasya Kambhampati, PhD; Anil Shinde, PhD and Venkat Jasti MS

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

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

Arian Blokland, PhD; Wim Riedel, PhD; Marlies Van Dunin, PhD; Ante Sambeth, PhD; Pim Heechman, PhD; Max Tsai, PhD; Gezim Lahu, PhD; Tolga Uz, MD, PhD; Jos Prichaerts, PhD

(1) Department of Neuropsychology and Psychopharmacology, Maastricht University, Maastricht, The Netherlands (2) Department of Psychiatry and Neuropsychology, Maastricht University, Maastricht, The Netherlands (3) Taheeda Development Center, Taheeda, Deerfield, USA (4) Taheeda Pharmaceuticals International, Taheeda, Zurich, Switzerland
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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*:
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- 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 LBPI to LBPI2
Theme 2. Clinical trials: Results - P26 to P42 and LBPI5 to LBPI3
Theme 11. New therapies and clinical trials - P114 to P129 and LBPI5 to LBPI12

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 LBPI6 to LBPI8
Theme 4. Clinical trials: Biomarkers including plasma - P56 to P77 and LBPI9 to LBPI46
Theme 5. Clinical trials: Cognitive and functional endpoints - P78 to P86 and LBPI47 to LBPI49
Theme 6. Cognitive assessment and clinical trials - P87 to P92 and LBPI50 to LBPI59
Theme 7. Behavioral disorders and clinical trials - P93 to P96 and LBPI60 to LBPI62
Theme 8. Health economics and clinical trials - P97 to P99 and LBPI63 to LBPI64
Theme 9. Epidemiology and clinical trials - P100 to P108
Theme 10. Clinical Trials: Animal Models - P109 to P113 and LBPI13 to LBPI14
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