CTAD 2020

Alzheimer

Clinical Trials on Alzheimer's Disease

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November 4-7, 2020

DIGITAL CONFERENCE

Montpellier '08 / Las Vegas '09 / Toulouse '10 / San Diego '11
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MONTPELLIER and TOULOUSE EADC Centers
European Alzheimer's Disease Consortium

Keck School of Medicine of USC
Alzheimer's Therapeutic Research Institute

JPAD

SUMMARY

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CTAD 2020 Lifetime Achievement Award

This year the Lifetime Achievement Award in Alzheimer's Disease Therapeutic Research is awarded to Maria Carrillo, Ph.D., in recognition for her extensive contributions to the advancement of AD clinical trials.

Maria C. Carrillo, Ph.D. Chief Science Officer Alzheimer's Association, Chicago, Illinois, USA As chief science officer, Maria C. Carrillo, Ph.D., sets the strategic vision for the Alzheimer's Association global research program. Under her leadership, the Association is the world's largest nonprofit funder of Alzheimer's research — investing more than $455 million since 1982 — and an internationally recognized pioneer in convening the dementia science community. Dr. Carrillo uses her platform as a noted public speaker to play an instrumental role in the Association's efforts to lobby for increased funding for the disease.

Dr. Carrillo oversees the implementation of the Association's growing portfolio of research initiatives, including the Alzheimer's Association International Conference® (AAIC®), the world's largest and most influential dementia science meeting, and the Research Roundtable, which enables international scien tific, industry and government leaders to work together to overcome shared obstacles in Alzheimer's science and drug development. In addition, she leads the Association's direct involvement in research by serving as a co-primary investigator for the Association-funded and led U.S. POINTER study, a lifestyle intervention trial to prevent cognitive decline and dementia.

Dr. Carrillo earned her Ph.D. from Northwestern University's Institute for Neuroscience and completed a postdoctoral fellowship focused on Alzheimer's brain imaging and risk factors at Rush University Medical Center in Chicago.

The Alzheimer's Association is the leading voluntary health organization in Alzheimer's care, support and research. Our mission is to eliminate Alzheimer's disease through the advancement of research, to provide and enhance care and support for all affected, and to reduce the risk of dementia through the promotion of brain health. Our vision is a world without Alzheimer's. For more information, visit alz.org.

Keynotes

"The LEADS Program: a new opportunity for therapeutic research"

Liana Apostolova, MD

Barbara and Peer Baekgaard Professor of Alzheimer's Disease Research, Indiana University School of Medicine, Indianapolis, USA

Dr. Apostolova graduated Summa cum Laude from the Medical University, Sofia, Bulgaria, and completed Neurology residency training at University of Iowa and Dementia fellowship at UCLA. Dr. Apostolova is a prolific researcher focused on the early symptomatic and pre-symptomatic stages of AD and on the development and validation of sensitive imaging and genetic biomarkers for AD and other dementing disorders. Dr. Apostolova is the Lead Principal Investigator of the Longitudinal Early-Onset Alzheimer's Disease Study (LEADS) – a multisite national consortium focused on early-onset AD, a rare form of Alzheimer's that affects middle-aged individuals.
Dr. Apostolova is a recipient of the 2019 de Leon Prize in Neuroimaging – Senior Scientist Category, 2010 American Academy of Neurology Research Award in Geriatric Neurology, the 2010 American Federation for Aging Research GE-Healthcare Junior Investigator Award for Excellence in Imaging and Aging Research, the 2007 Turken Research Award.

"Plasma biomarkers in the diagnosis and longitudinal follow-up of Alzheimer's Disease"

Oskar Hansson, MD, PhD

Professor of Neurology, Lund University, Lund, Sweden

Dr. Oskar Hansson gained his PhD in neurobiology in 2001 and his M.D. in 2005. He became senior consultant in neurology in 2012 at Skåne University Hospital, Sweden, and full professor of neurology in 2017 at Lund University, Sweden. Oskar Hansson has performed internationally recognized clinical and translational research focusing on the earliest phases of Alzheimer's and Parkinson's diseases. His landmark study on cerebrospinal fluid biomarkers for Alzheimer's disease from 2006 (Hansson et al, The Lancet Neurology, 2006) has been instrumental for the implementation of these biomarkers in the clinical work-up of Alzheimer's disease in Sweden and internationally. His work on biomarkers has led to over 250 original peer-reviewed publications. Ten years ago, he started the prospective and longitudinal Swedish BioFINDER study, where the research team focuses on the development of optimized diagnostic algorithms for early diagnosis, and also studies the consequences of different brain pathologies on cognitive, neurologic and psychiatric symptoms in healthy individuals and patients with dementia and parkinsonian disorders. Recently, the BioFINDER team has shown that tau-PET can differentiate Alzheimer's from other neurodegenerative diseases (Ossenkoppele et al, JAMA, 2018), and that plasma P-tau is a novel promising blood-based biomarker for early detection of Alzheimer's disease (Janelidze et al, Nature Medicine, 2020). Besides being responsible for the outpatient ward of the Memory Clinic at Skåne University Hospital, he is also in leading positions of several research networks and he is co-director of the strategic research area of neuroscience at Lund University.

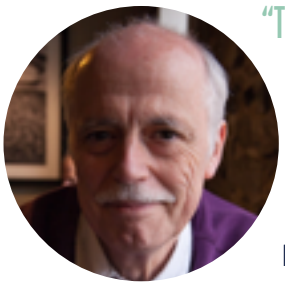
Keynotes

"Remote assessment of cognitive and clinical decline"

Jeffrey Kaye, MD

Layton Professor and Director, Layton Aging and Alzheimer's Disease Center, School of Medicine, Oregon Health and Science University, Beaverton, Oregon, USA

Jeffrey Kaye is the Layton Endowed Professor of Neurology and Biomedical Engineering at Oregon Health and Science University (OHSU). He directs the NIA - Layton Oregon Aging and Alzheimer's Disease Research Center (OADC) and ORCATECH, the Oregon Center for Aging and Technology which incorporates the NIA-Oregon Roybal Center for Care Support Translational Research Advantaged by Integrating Technology (ORCASTRAIT). Dr Kaye's long-standing research focus has been to advance methods to sustain healthy brain aging and treat dementia. This work has been facilitated by a remarkable cadre of interdisciplinary colleagues and collaborators both within the OADRC and ORCATECH, as well as many others at other ADRCs and research centers around the world. Through these many associations, Dr. Kaye has gained extensive experience in team-building, designing, conducting and analyzing studies of brain aging and dementia across a wide spectrum of environments (e.g., clinics, community residences, assisted living and nursing facilities, 'smart' homes), designs (e.g., program projects, longitudinal natural history studies, proof of concept studies, randomized controlled trials, online surveys), and approaches (e.g., cognitive and behavioral testing, genetics, neuroimaging, biomarkers, in-home continuous assessment technologies). He leads or has led several longitudinal studies on aging and clinical trials including the Intelligent Systems for Detection of Aging Changes (ISAAC), the Life Laboratory, the Ambient Independence Measures for Guiding Care Transitions, and the Collaborative Aging (in Place) Research using Technology (CART) Initiative, studies all using pervasive computing and sensing technologies for assessment and developing interventions directed toward transitions signaling imminent health, cognitive and functional change. Dr. Kaye has received the Charles Dolan Hatfield Research Award for his work. He is listed in Best Doctors in America. He has served on many national and international panels and boards in the fields of geriatrics, neurology and technology. He is an author of over 450 scientific publications and holds several major grant awards from federal agencies, national foundations and industrial sponsors.



"Translational research from Geroscience to Alzheimer's therapy"

Felipe Sierra, PhD

Geroscience Director, Gerontopole, Toulouse University, Toulouse, France

Trained as a biochemist in his native Chile, he obtained a PhD in Biochemistry and Molecular Biology from the University of Florida in 1983. After a postdoc at the University of Geneva, he worked in industry (at Nestlé, still in Switzerland), where he developed his interest in aging biology. This brought him back to Academia as an Assistant Professor at the Medical College of Pennsylvania, and later as Associate Professor at the Lankenau Institute for Medical Research in Pennsylvania. This last position was shared with a primary appointment at the University of Chile in Santiago. Four years after initiating this arrangement, Dr. Sierra relocated again to the US, this time as a Program Director within the Division of Aging Biology, NIA/NIH. He became the Director of this unit in April 2006.

During his tenure at the NIH, Dr. Sierra developed the concept of Geroscience and created the trans-NIH Geroscience Interest Group (GSIG). The group seeks to promote research on the "geroscience hypothesis" which states that slowing the rate of aging will delay the initiation or diminish the severity of adult-onset diseases and loss-of-resilience. He has received multiple recognitions for this work, including thrice the NIH Director's Awards, a BEACON Award and a Career Achievement Award from the American Aging Association.

Keynotes

"Implementing the lessons of epidemiology"

Kristine Yaffe, MD

Scola Endowed Chair and Vice Chair, Professor of Psychiatry, Neurology and Epidemiology, University of California at San Francisco, San Francisco, California – USA

Dr. Kristine Yaffe is the Scola Endowed Chair and Vice Chair, Professor of Psychiatry, Neurology, and Epidemiology, and Director of the Center for Population Brain Health at the University of California, San Francisco. She is also the Chief of NeuroPsychiatry and Director of the Memory Evaluation Clinic at the San Francisco Veterans Affairs Medical Center. In her research, clinical work, and mentoring, she has directed her efforts towards improving the care of patients with Alzheimer's and other dementias. Dr. Yaffe is an internationally recognized expert in the epidemiology of dementia and cognitive aging. She serves as PI of almost a dozen NIH, Department of Defense, Veterans Administration, and foundation grants and is the foremost leader in identifying modifiable risk factors for dementia. Dr. Yaffe was the first to determine that potentially 30% of dementia risk is preventable. With over 500 peer-reviewed articles dedicated to improving population brain health (H-index=141; recognized by Clarivate Analytics as one of the most highly cited researchers in her field), her transformative research, bridging neurology, psychiatry, and epidemiology, has formed the cornerstone for dementia prevention trials worldwide. In recognition of her groundbreaking work, Dr. Yaffe has received multiple honors including the Potamkin Prize for Alzheimer's Research in 2017 and election to the National Academy of Medicine in 2019.

Program at a glance

Wednesday, NOVEMBER 4

LIVE

- 9.30 a.m Opening Ceremony and CTAD Lifetime Achievement Award
- 9.50 a.m ORAL COMMUNICATIONS
- 10.35 a.m Live Q&A of oral communications
- 11.25 a.m Live Q&A or oral communications
- 11.35 a.m KEYNOTE 1: The LEADS Program: a new opportunity for therapeutic research
- 12.00 p.m SYMPOSIUM 1: Development of a Vaccine for Prevention and Treatment of Alzheimer's Disease
- 1.00 p.m Live interaction with poster presenters in the Virtual Poster Hall

ON DEMAND

- ORAL COMMUNICATIONS

Thursday, NOVEMBER 5

LIVE

- 9.30 a.m Welcome address
- 9.35 a.m ORAL COMMUNICATIONS
- 11.20 a.m Live Q&A of oral communications
- 11.35 a.m KEYNOTE 2: Plasma biomarkers in the diagnosis and longitudinal follow-up of Alzheimer's Disease
- 12.00 p.m SYMPOSIUM 2: Latest Advances: Blood and Imaging Biomarkers of Tau in Alzheimer's Patients
- 1.00 p.m Live interaction with poster presenters in the Virtual Poster Hall

ON DEMAND

- ORAL COMMUNICATIONS

Friday, NOVEMBER 6

LIVE

- 9.30 a.m Welcome address
- 9.32 a.m Tauriel Study: topline data results and panel discussion
- 10.00 a.m ORAL COMMUNICATIONS
- 11.15 a.m Live Q&A of oral communications
- 11.30 a.m KEYNOTE 3: Remote assessment of cognitive and clinical decline
- 12.00 p.m SYMPOSIUM 3: Trial-Ready Cohort for Preclinical and Prodromal Alzheimer's disease Platform (TRC-PAD Platform)
- 1.00 p.m Live interaction with poster presenters in the Virtual Poster Hall

ON DEMAND

- ORAL COMMUNICATIONS

Saturday, NOVEMBER 7

LIVE

- 9.30 a.m Welcome address
- 9.35 a.m KEYNOTE 4: Translational Research from Geroscience to Alzheimer's therapy
- 9.55 a.m LATE BREAKING SESSIONS
- 10.57 a.m Live Q&A of oral communications
- 11.12 a.m KEYNOTE 5: Implementing the lessons of epidemiology
- 11.34 a.m LATE BREAKING SESSIONS
- 12.34 p.m Live Q&A of oral communications
- 12.50 p.m Closing remarks
- 1.00 p.m Live interaction with poster presenters in the Virtual Poster Hall

ON DEMAND

- SYMPOSIA AND ORAL COMMUNICATIONS

Wednesday, NOVEMBER 4

9.30 - 12.40 p.m
LIVE SESSIONS

LIVE

9.30 a.m — **Welcome address**

Paul AISEN, Alzheimer's Therapeutic Research Institute, University of Southern California, San Diego, CA (United States)
Jacques TOUCHON, Montpellier University, Montpellier (France)

9.35 a.m — **Opening Ceremony and CTAD Lifetime Achievement Award**

Awarded to Maria Carrillo, Ph.D., in recognition for her extensive contributions to the advancement of AD clinical trials
Introduction by Paul AISEN, *Alzheimer's Therapeutic Research Institute, University of Southern California, San Diego, CA (United States)*, Jacques TOUCHON, *Montpellier University, Montpellier (France)*, Bruno VELLAS, *Gerontopole, Toulouse University, Toulouse (France)*, Mike WEINER, *UCSF, San Francisco, CA (USA)*

9.50 a.m — **ORAL COMMUNICATIONS**

9.50 a.m — **OC1 - Efficacy and Safety of AXS-05, a Novel Oral NMDA Receptor Antagonist with Multimodal Activity, in the Treatment of Alzheimer's Disease Agitation: Results of the ADVANCE-1 Trial**

Cedric O Gorman (1), Amanda Jones (1), Jeffrey Cummings (2), Herriot Tabuteau (1)
(1) Axsome Therapeutics Inc. - New York, New York (United States), (2) Center For Neurodegeneration And Translational Neuroscience; Cleveland Clinic Lou Ruvo Center For Brain Health; Cleveland Clinic Lerner College Of Medicine - Las Vegas, NV (United States)

10.05 a.m — **OC2 - The AHEAD 3-45 Study of BAN2401 in Preclinical Alzheimer's Disease: Study Design and Initial Screening Results**

Reisa Sperling (1), Rebecca Amariglio (1), Shobha Dhadda (2), Michael C. Donohue (3), Michael C. Irizarry (2), Cecily Jenkins (3), David Jianjun Li (2), Keith A. Johnson (4), Lynn D. Kramer (2), Stephen Krause (2), Kathryn Papp (1), Martin Rabe (2), Rema Raman (3), Dorene Rentz (1), Gopalan Sethuraman (3), Chad J. Swanson (2), Jin Zhou (2), Paul S. Aisen (3)
(1) Brigham And Women's Hospital, Massachusetts General Hospital, Harvard Medical School - Boston, MA (United States), (2) Eisai - Woodcliff Lake, NJ (United States), (3) University Of Southern California - San Diego, CA (United States), (4) Massachusetts General Hospital, Brigham And Women's Hospital, Harvard Medical School - Boston, MA (United States)

10.20 a.m — **OC3 - EMBARK: A Phase 3b, open-label, single-arm, safety study to evaluate the long-term safety and efficacy of aducanumab in eligible participants with Alzheimer's disease**

Carmen Castrillo-Viguera, Spyros Chalkias, Patrick Burkett, Shuang Wu, Huaihou Chen, Katie Harrison, Carol Yurgalevitch, Samantha Budd Haeberlein
(1) Biogen, Boston, MA (United States)

10.35 a.m — **Live Q&A of oral communications OC1 to OC3**

Moderated by Reisa SPERLING, *Brigham And Women's Hospital, Massachusetts General Hospital, Harvard Medical School, Boston, MA (United States)*

10.42 a.m — **OC4 - Phase 2 study of tilavonemab, an anti-tau antibody, in early Alzheimer's disease: study design, baseline demographics, and biomarker profiles**

Nahome Fisseha (1), Anthony Bannon (1), Hana Florian (1), Qi Guo (1), Ziyi Jin (1), Beatrice Rendenbach-Mueller (1), Deli Wang (1), Dustin Wooten (1), Steven Arnold (2)
(1) Abbvie Inc., North Chicago, IL (United States), (2) Massachusetts General Hospital, Boston, MA (United States)

10.57 a.m — **OC5 - Ketones improve brain energetics and cognitive performance in mild cognitive impairment: Final results of the 6-month Benefic trial in MCI**

Stephen Cunnane (1), Mélanie Fortier (1), Alexandre Castellano (1), Valérie St-Pierre (1), Étienne Myette-Côté (1), Maggie Roy (1), Marie-Christine Morin (1), Francis Langlois (1), Carla Delannoy (2), Bernard Cuenoud (2), Christian Bocti (1), Tamas Fulop (1)
(1) Université De Sherbrooke - Sherbrooke (Canada), (2) Nestlé Health Science - Lausanne (Switzerland)

Wednesday, NOVEMBER 4

LIVE

11.12 a.m

OC6 - Voxel based morphometry reveals a distributed pattern of grey matter volume changes following verubecestat exposure in the EPOCH trial

David Scott (1), Katarzyna Adamczuk (1), Mehul Sampat (1), Ha Pham (1), James Kost (2), Michael Egan (2), Cyrille Sur (2)
(1) Bioclinica – Newark, NJ (United States), (2) Merck – Kenilworth, NJ (United States)

11.27 a.m

LIVE Q&A OF ORAL COMMUNICATIONS OC1 to OC6

Moderated by Reisa SPERLING, Brigham And Women's Hospital, Massachusetts General Hospital, Harvard Medical School, Boston, MA (United States)

11.37 a.m

KEYNOTE 1

The LEADS Program: a new opportunity for therapeutic research

Liana Apostolova, *MD - Indiana University School of Medicine, Indianapolis, IN (United States)*

12.00 p.m

SYMPOSIUM 1

Development of a Vaccine for Prevention and Treatment of Alzheimer's Disease

Chair: Richard MOHS, Global Alzheimer's Platform Foundation, Washington, DC (United States)

Presentation 1: Past and current vaccine and immunotherapy development in Alzheimer's disease
Suzanne Hendrix, *Pentara Corporation, Salt Lake City, UT (United States)*

Presentation 2: UB-311, a novel UBITh® amyloid beta peptide vaccine in development for Alzheimer's Disease
Jeffrey Cummings, *CNS Innovations, Las Vegas, NV (United States)*

Presentation 3: The promise of blood-based biomarkers in the evaluation, approval and affordability in Alzheimer's prevention therapies
Eric Reiman, *Banner Alzheimer's Institute, Phoenix, AZ (United States)*

Live panel discussion

1.00 p.m — **Live interaction with poster presenters: Meet the authors in the poster hall**

ON DEMAND

OC7 - Synaptic density is associated with cognitive performance in Alzheimer's disease: a PET imaging study with [11C]UCB-J

Christopher Van Dyck, Adam Mecca, Emily Sharp, Ryan O'dell, Emmie Banks, Hugh Bartlett, Ming-Kai Chen, Mika Naganawa, Takuya Toyonaga, Joanna Harris, Gessica Ni, Wenzhen Zhao, Nabeel Nabulsi, Brent Vander Wyk, Yiyun Huang, Amy Arnsten, Richard Carson
(1) Yale School Of Medicine, New Haven, CT (United States)

OC8 - Longitudinal 18F-RO948 PET and biomarker driven enrichment strategies for tau pathology in AD clinical trials

Antoine Leuzy (1), Gregory Klein (2), Nicholas Cullen (1), Niklas Mattsson-Carlgren (1), Shorena Janelidze (1), Sebastian Palmqvist (1), Xavier Teitsma (1), Olof Strandberg (1), Preciosa Coloma (2), Edilio Borroni (2), Erik Stomrud (1), Ruben Smith (1), Rik Ossenkoppele (1), Oskar Hansson (1)
(1) Lund University, Lund (Sweden), (2) F. Hoffmann-La Roche Ltd, Basel (Switzerland)

OC9 - Plasma biomarkers neurofilament light and glial fibrillary acidic protein highlight different components of Alzheimer's disease progression in a longitudinal mild cognitive impairment cohort

Claudia Cicognola (1, 2), Shorena Janelidze (1), Joakim Hertze (2), Henrik Zetterberg (3, 4, 5), Kaj Blennow (3, 4), Niklas Mattsson-Carlgren (1), Oskar Hansson (1, 2)
(1)Clinical Memory Research Unit, Lund University - Lund (Sweden), (2)Memory Clinic, Skåne University Hospital - Malmö (Sweden), (3) Department Of Psychiatry and Neurochemistry, Institute Of Neuroscience And Physiology, The Sahlgrenska Academy at The University Of Gothenburg - Mölndal (Sweden), (4)Clinical Neurochemistry Laboratory, Sahlgrenska University Hospital - Mölndal (Sweden), (5)Department of Neurodegenerative Disease, UCL Institute of Neurology, Queen Square - London (United Kingdom)

Wednesday, NOVEMBER 4

ON DEMAND

OC10 - Baseline Characteristics For CLARITY-AD: A Phase 3 Placebo-Controlled, Double-Blind, Parallel-Group, 18-Month Study Evaluating BAN2401 In Early Alzheimer's Disease

Shau Yu Lynch (1), Michael Irizarry (1), Shobha Dhadda (1), Yong Zhang (1), Jinping Wang (1), Tanya Bogoslovsky (1), Larisa Reyderman (1), June Kaplow (1), Heather Bradley (1), Martin Rabe (1), Keiichiro Totsuka (2), Lynn Kramer (1), Harald Hampel (1), Chad Swanson (1)

(1) Eisai Inc. - Woodcliff Lake (United States), (2) Eisai Co., Ltd. - Tokyo (Japan)

OC12 - Repeated Smartphone-Based Memory Assessment: the Boston Remote Assessment for Neurocognitive Health (BRANCH)

Kate Papp (1), Aubryn Samaroo (2), Hsiang-Chin Chou (2), Rachel Buckley (1), Dorene Rentz (1), Reisa Sperling (1), Rebecca Amariglio (1)

(1) Harvard Medical School, Boston, MA (United States), (2) Massachusetts General Hospital, Boston, MA (United States)

OC13 - MEDI1814, a beta-amyloid 42-specific antibody, lowered neurofilament light plasma levels in patients with mild-moderate Alzheimer's disease

Craig Shering (1), Thor Ostenfeld (2), Michael Pomfret (2), Andrew Billinton (3), Iain Chessell (2), Keith Tan (2), Nigel Brayshaw (4), Kaj Blennow (5), Staffan Persson (5), Fanni Natanegara (6), Yingdong Feng (6), John Sims (6), Jeffrey Dage (6)

(1) Astrazeneca, Neuroscience, Biopharmaceuticals R & D - Boston (United States), (2) Astrazeneca, Neuroscience, Biopharmaceuticals R & D - Cambridge (United Kingdom), (3) Former Astrazeneca Employee, Neuroscience, Biopharmaceuticals R & D - Cambridge (United Kingdom), (4) Empiridat Ltd - Deal (United Kingdom), (5) University Of Gothenburg, Clinical Neurochemistry Lab - Molndal (Sweden), (6) Eli Lilly And Company, Neuroscience – Indianapolis, IN (United States)

LATE BREAKING COMMUNICATIONS

LB1 - Avoid or Embrace? Practice Effects in AD Clinical Trials

Jason Hassenstab (1), Andrew Aschenbrenner (1), Guoquaio Wang (1), Yan Li (1), Chengjie Xiong (1), Eric Mcdade (1), David Clifford (1), Yaari Roy (2), Karen Holdridge (2), Randall Bateman (1)

(1) Washington University in St. Louis - St. Louis, MO (United States), (2) Eli Lilly – Indianapolis, IN (United States)

LB2 - SYNchronizing Exercises, Remedies in Gait and Cognition at Home: Feasibility of a home-based double-blind randomized controlled trial to improve gait and cognition in individuals at risk for dementia

Manuel Montero-Odasso (1, 2, 3), Chris A. Mcgibbon (4), Pamela Jarret (5, 6), Daniel Bouchard (7), Grant Handrigon (8), Carole C. Tranchant (9), Sylvie Belleville (10), Howard Chertkow (11), Howard Feldman (12), H Haakon Nygaard (13), Mark Speechley (14)

(1)Schulich School Of Medicine & Dentistry, University Of Western Ontario - London, Ontario (Canada), (2)Department of Medicine (Geriatrics), University of Western Ontario - London, Ontario (Canada), (3)Department of Epidemiology and Biostatistics, University of Western Ontario - London, Ontario (Canada), (4)Faculty Of Kinesiology And Institute Of Biomedical Engineering, University Of New Brunswick - Fredericton, New Brunswick (Canada), (5)Department Of Geriatric Medicine, Horizon Health Network - Saint John, New Brunswick (Canada), (6)Division of Geriatric Medicine, Department of Medicine, Dalhousie University - Halifax, Nova Scotia (Canada), (7)Faculty Of Kinesiology, University Of New Brunswick - Fredericton, New Brunswick (Canada), (8)School Of Kinesiology And Recreation, Faculty Of Health Sciences And Community Services, Université De Moncton - Moncton, New Brunswick (Canada), (9)School Of Food Science, Nutrition And Family Studies, Faculty Of Health Sciences And Community Services, Université De Moncton - Moncton, New Brunswick (Canada), (10)Department Of Psychology Université De Montréal - Montreal, Quebec (Canada), (11)Baycrest And Rotman Research Institute - Toronto, Ontario (Canada), (12)Department Of Neurosciences, University Of California - San Diego, California (United States), (13)Division Of Neurology, University Of British Columbia - Vancouver, British Columbia (Canada), (14)Department Of Epidemiology And Biostatistics, Schulich School Of Medicine & Dentistry, University Of Western Ontario - London, Ontario (Canada)

Wednesday, NOVEMBER 4

ON DEMAND

LB3 - GV-971 (Oligommanate) Background, Development, and Global Phase 3 study
Jeffrey Cummings
Cleveland Clinic Lou Ruvo Center For Brain Health - Las Vegas, NV (United States)

LB4 - Moved to Friday, November 6

LB5 - The Azeliragon Elevage Study: Study Update and Preliminary Data on Baseline Characteristics of Participants with Mild Alzheimer's Disease and Type 2 Diabetes Randomized in Part 1
Ann Gooch, Louis Kirby, Leslie Humphries, Imogene Dunn, Carmen Valcarce, Aaron Burstein
VtV Therapeutics, High Point, NC (United States)

Thursday, NOVEMBER 5

9.30 - 12.45 p.m
LIVE SESSIONS

LIVE

9.30 a.m

Welcome address

Mike WEINER, UCSF, San Francisco, CA (United States), Bruno VELLAS, Gerontopole, Toulouse University, Toulouse (France)

9.32 a.m

OC11 - LipiDiDiet results: 3-year evaluation of Fortasyn Connect in individuals with prodromal Alzheimer's Disease

Tobias Hartmann (1,2), Alina Solomon (3,4,5), Pieter Visser (6,7), Suzanne Hendrix (8), Kaj Blennow (9,10), Miia Kivipelto (3,11,5), Hilkka Soininen (12,13)

(1) Deutsches Institut Für Demenz Prävention (didp), Medical Faculty, Saarland University, Homburg (Germany), (2) Department of Experimental Neurology, Saarland University - Saarbrücken (Germany), (3) Department Of Neurology, Institute Of Clinical Medicine, University Of Eastern Finland - Kupio (Finland), (4) Department of Clinical Geriatrics, Department of Neurobiology, Care Sciences and Society, Karolinska Institutet, - Huddinge (Sweden), (5) Clinical Trials Unit, Theme Aging, Karolinska University Hospital - Stockholm (Sweden), (6) Department Of Neurology, Alzheimer Centre, Amsterdam Neuroscience, Vu University Medical Center - Amsterdam (Netherlands), (7) Department of Psychiatry and Neuropsychology, Alzheimer Centre Limburg, University of Maastricht - Maastricht (Netherlands), (8) Pentara Corporation – Millcreek, UT (United States), (9) Department Of Psychiatry And Neurochemistry, Institute Of Neuroscience And Physiology, The Sahlgrenska Academy At University Of Gothenburg - Mölndal (Sweden), (10) Clinical Neurochemistry Laboratory, Sahlgrenska University Hospital - Mölndal (Sweden), (11) Department Of Neurology, Institute Of Clinical Medicine, University Of Eastern Finland - Kuopio (Finland), (12) Department of Clinical Geriatrics, Department of Neurobiology, Care Sciences and Society, Karolinska Institutet - Huddinge (Sweden), (13) Neurocentre, Department Of Neurology, Kuopio University Hospital - Kuopio (Finland), (14) Department of Neurology, Institute of Clinical Medicine, University of Eastern Finland - Kuopio (Finland)

9.47 a.m

OC14 - BAN2401 And Aria-E In Early Alzheimer's Disease: Pharmacokinetic / Pharmacodynamic Time-To-Event Analysis From The Phase 2 Study In Early Alzheimer's Disease

Larisa Reyderman (1), Seiichi Hayato (2), Yong Zhang (1), Osamu Takenaka (2), Sanae Yasuda (1), Edgar Schuck (1), Akihiko Koyama (1), Chad Swanson (1), Ziad Hussein (1)

(1) Eisai Co., Ltd, Tokyo (Japan), (2) Eisai Inc., Woodcliff Lake, NJ (United States)

10.02 a.m

OC15 - Comparison of Aducanumab, Solanezumab and BAN2401 Using a Global Statistical Test for Assessing Impact on Overall Strength of Evidence

Samuel Dickson (1), Sean Hennessey (1), Jacob Neff (2), Tess Syndergaard (2), Madison Earnshaw (2), Suzanne Hendrix (1)

(1) Pentara Corporation, Salt Lake City, UT (United States), (2) Brigham Young University – Provo, UT (United States)

10.17 a.m

OC16 - Effects of omega-3 (n-3) polyunsaturated fatty acids (PUFA) on cerebral white matter hyperintensities, medial temporal lobe atrophy and white matter integrity in older non-demented adults: A 3-year randomized-controlled phase 2 trial

Gene Bowman (1), Charles Murchison (2), Lisa Silbert (1), Hiroko Dodge (1), Kirsten Hagen (1), Jason David (1), David Lahna (1), Jeffrey Kaye (1), Joseph Quinn (1), Lynne Shinto (1)

(1) Oregon Health &is Science University, Department Of Neurology, Portland, OR (United States), (2) University Of Alabama, Birmingham, Birmingham, AL (United States)

10.32 a.m

OC17 - Relationship between pimavanserin exposure and psychosis relapse in patients with dementia-related psychosis: clinical results and modeling analysis from the phase 3 HARMONY study

Mona Darwish (1), Erin P. Foff (1), Julie Passarell (2), David Jaworowicz (2), Mark Forman (1), Joel Owen (1), Srdjan Stankovic (1)

(1) ACADIA Pharmaceuticals, Inc., Princeton, NJ (United States), (2) Cognigen Corporation, A Simulations Plus Company, Buffalo, NY (United States)

10.47 a.m

OC18 - Monoclonal antibodies against amyloid-β in Alzheimer's disease. A meta-analysis of phase III clinical trials

Konstantinos Avgerinos, Luigi Ferrucci, Dimitrios Kapogiannis

National Institute On Aging, National Institutes Of Health, Baltimore (United States)

11.02 a.m

OC19 - Phase 2/3 GAIN trial of COR388 (atuzaginstat), a novel bacterial virulence factor inhibitor for the treatment of Alzheimer's disease: Update and Baseline Data

Michael Detke

(1) Cortexyme, South San Francisco, CA (United States)

Thursday, NOVEMBER 5

LIVE

11.17 a.m

LIVE Q&A OF ORAL COMMUNICATIONS OC14 to OC19

Moderated by Mike WEINER, UCSF, San Francisco, CA (USA)

11.35 a.m

KEYNOTE 2

Plasma biomarkers in the diagnosis and longitudinal follow-up of Alzheimer's Disease

Oskar Hansson, *MD, PhD - Lund University, Lund (Sweden)*

11.55 a.m

SYMPOSIUM 2

Latest Advances: Blood and Imaging Biomarkers of Tau in Alzheimer's Patients

Chair: Howard FILLIT, Alzheimer's Drug Discovery Foundation, New York, NY (United States)

Presentation 1: Phosphorylated Tau in Blood can Transform Alzheimer's Disease Research and Clinical Trials

Jeffrey Dage, *Eli Lilly & Company, Indianapolis, IN (United States)*

Presentation 2: Tau Imaging in Alzheimer's Disease Clinical Trials and in AD research

Michael Devous, *Avid Radiopharmaceuticals, Philadelphia, PA (United States)*

Presentation 3: What Could Tau Biomarker Research in Alzheimer's Disease Mean for Patients?

Takeshi Iwatsubo, *University Of Tokyo, Tokyo (Japan)*

Live panel discussion

1.00 p.m

Live interaction with poster presenters: Meet the authors in the poster hall

ON DEMAND

OC20 - IMPACT-AD: A novel clinical trials training program

Tyler Berkness (1), Maria C. Carrillo (2), Kristina Mclinden (3), Reisa Sperling (4,5), Ronald Petersen (6), Paul Aisen (1), Heather Snyder (2), Laurie Ryan (3), Joshua D. Grill (7), Rema Raman (1)

(1) Alzheimer's Therapeutic Research Institute, University Of Southern California - San Diego (United States), (2)Alzheimer's Association, Division Of Medical And Scientific Relations - Chicago (United States), (3)National Institute On Aging, Dementias Of Aging Branch - Bethesda (United States), (4)Department Of Neurology, Massachusetts General Hospital, Harvard Medical School - Boston (United States), (5)Department of Radiology, Division of Nuclear Medicine and Molecular Imaging, Massachusetts General Hospital, Harvard Medical School - Boston (United States), (6)Mayo Clinic - Rochester (United States), (7)Institute Of Memory Impairment And Neurological Disorders, Department Of Psychiatry & Human Behavior, Department Of Neurobiology & Behavior, University Of California At Irvine - Irvine (United States)

OC21 - Clinical phase I data and five successful PoC studies in transgenic and non-transgenic animal models of AD for the first anti-prionic drug candidate for Alzheimer's disease

Dieter Willbold (1,2), Janine Kutzsche (1), Sarah Schemmert (1), Antje Willuweit (3), Dagmar Jürgens (1)

(1) Forschungszentrum Jülich, Ibi-7 Structural Biochemistry - Jülich (Germany), (2)Heinrich-Heine-Universität Düsseldorf - Düsseldorf (Germany), (3)Forschungszentrum Jülich, Inm-4 - Jülich (Germany)

OC22 - Increased Power with Averaging Two Scores at Baseline and End of Study for Two Primary Outcomes: ADAS-cog and ADCS-CGIC

Newman Knowlton (1), Sam Dickson (1), Ron Thomas (2), Lon Schneider (3), Richard Kennedy (4), Marc Cantillon (5), Suzanne Hendrix (1)

(1) Pentara Corporation - Salt Lake City, UT (United States), (2)UCSD - La Jolla, cA (United States), (3)USC- Los Angeles, CA (United States), (4)UAB - Birmingham (United States), (5)Robert Wood Johnson Medical School - New Brunswick, NH (United States)

Thursday, NOVEMBER 5

ON DEMAND

OC23 - A Phase 1b, Randomized, Double-Blind, Placebo-Controlled, Parallel Cohort Safety, Tolerability, Pharmacokinetics, Pharmacodynamics and Preliminary Efficacy Study of Intravenously Infused BIIB092 in Patients with Four Different Tauopathy Syndromes

Adam Boxer (1), Peter Ljubenkov (1), Lawren Vandevrede (1), Julio Rojas (2), Richard Tsai (3), Mary Koestler (1), Lauren Fisher (1), Hannah Wiest (1), Catherine Wang (1), Howard Rosen (4), Danielle Graham (5), Tien Dam (5)

(1) University Of California, San Francisco - San Francisco, CA (United States), (2)University Of California, San Francisco - San Francisco, CA (United States) - San Francisco (United States), (3)Denali Therapeutics - San Francisco, CA (United States), (4)University Of California, San Francisco-San Francisco, CA (united States), (5)Biogen Inc. – Cambridge, MA (United States)

1.30 p.m

OC24 - Phosphorylated tau 181 in plasma as a biomarker for Alzheimer's disease in adults with Down syndrome: a cross-sectional study

Juan Fortea (1,2), Henrik Zetterberg (3), Jordi Pegueroles (1), Thomas Karikari (3), María Carmona-Iragui (1,2), Nicholas J Ashton (3), Víctor Montal (1), Isabel Barroeta (1), Laura Videla (1,2), Miren Altuna (1), Bessy Benejam (2), Susana Fernández (2), Silvia Valldeneu (1), Daniel Alcolea (1), Rafael Blesa (1), Kaj Blennow (3), Alberto Lleó (1)

(1) Sant Pau Memory Unit, Hospital De La Santa Creu I Sant Pau-Biomedical Research Institute Sant Pau-Universitat Autònoma De Barcelona - Barcelona (Spain), (2)Barcelona Down Medical Center, Fundació Catalana Síndrome De Down - Barcelona (Spain), (3)Department Of Psychiatry And Neurochemistry, Institute Of Neuroscience And Physiology, The Sahlgrenska Academy At The University Of Gothenburg - Mölndal (Sweden)

OC25 - Plasma Fractions in Alzheimer's Disease: Biomarker Analysis in the ALK6019-201 and ALK6019-202 Trials

Steven Braithwaite, Balazs Szoke, Jyotasana Gulati, Rebecca Ray, Scott Lohr, Jonas Hannestad

(1) Alkahest, San Carlos, CA (United States)

OC26 - The Methodology and Probability of Recruitment and Enrollment into Phase 2 and 3 Alzheimer's Disease and Mild Cognitive Impairment Clinical Research Trials

Domonique Nathan, Devon Anderson, Raza Warraich, Evan Cassar, David Weisman

(1) Abington Neurological Associates, Abington, PA (United States)

OC27 - Misfolding of Aβ as precise plasma structure biomarker for preclinical Alzheimer's

Klaus Gerwert (1,2)

(1) Ruhr University Bochum, Bochum (Germany), (2) Center for Protein Diagnostics, Bochum (Germany)

LATE BREAKING COMMUNICATIONS

LB6 - Spousal vs. Non-Spousal Dyads: A Flexible Approach to Quantifying Variability of Cognitive and Functional Assessments to Better Inform Future MCI and AD Trials

Navneet Hakhu (1), Daniel Gillen (1), Joshua Grill (2)

(1)Department Of Statistics, University of California, Irvine – Irvine, CA (United States), (2)Departments Of Psychiatry & Human Behavior and Neurobiology & Behavior, University Of California, Irvine – Irvine, CA (United States)

LB7 - A Pilot Randomized Controlled Trial of the Cognitive Effects of Aerobic Exercise in Alzheimer's Disease

Fang Yu (1), David Vock (2), Lin Zhang (2), Dereck Salisbury (2), Nathaniel Nelson (3), Lisa Chow (2), Glenn Smith (4), Maurice Dysken (2), Jean Wyman (2)

(1)Arizona State University, United States, (2)University Of Minnesota, United States, (3)University Of St Thomas, United States, (4)University Of Florida, United States 1Arizona State University – Phoenix, AZ (United States), 2University of Minnesota – Minneapolis, MN (United States), (3) University of St Thomas - St Paul, MN (United States), (4)University of Florida – Gainsville, FL (United States)

Thursday, NOVEMBER 5

ON DEMAND

LB8 - A 1-year randomized controlled trial of a nutritional blend to prevent cognitive decline among community-dwelling older adults: the NOLAN Study

Kelly V. Giudici (1), Sophie Guyonnet (1, 2), Christelle Cantet (1, 2), Philipe De Souto Barreto (1, 2), Michael W. Weiner (3, 4, 5), Duygu Tosun (3, 4), Corina Boschat (6), Julie Hudry (6), Tamas Bartfai (7), Sandrine Andrieu (8, 2), Bruno Vellas (1, 2), Jeroen A. J. Schmitt (6)

(1)Gerontopole of Toulouse, Institute Of Ageing, Toulouse University Hospital (CHU Toulouse) - Toulouse (France), (2)UPS/Inserm UMR1027, University of Toulouse III - Toulouse (France), (3)Department Of Veterans Affairs Medical Center - San Francisco, CA (United States), (4)Department of Radiology and Biomedical Imaging, University of California - San Francisco, CA (United States), (5)Department of Medicine, Department of Psychiatry, Department of Neurology, University of California - San Francisco, CA (United States), (6)Société Des Produits Nestlé Sa, Nestlé Research - Lausanne (Switzerland), (7)Department Of Neurochemistry, Stockholm University - Stockholm (Sweden), (8)Department Of Epidemiology And Public Health, Toulouse University Hospital (CHU Toulouse) - Toulouse (France)

LB9 - Remote smartphone-based and supervised neuropsychological assessments of episodic memory recall are highly correlated

Emrah Duzel (1), Ornella Billette (1), David Berron (2), Xenia Grande (1), Annika Spottke (1), Katharina Buerger (1), Robert Perneczky (1), Christoph Laske (1), Anja Schneider (1), Fliessbach Klaus (1), Stefan Teipel (1), Jens Wiltfang (1), Michael Wagner (1), Frank Jessen (1)

(1)Dzne - Magdeburg (Germany), (2)Lund Univ. - Lund (Sweden), (3)Dzne - Bonn (Germany), (4)Dzne - Munich (Germany), (5)Dzne - Tubingen (Germany), (6)Dzne - Rostock (Germany), (7)Dzne - Goettingen (Germany), (8)Dzne - Bonn/Cologne (Germany)

LB10 - Rescuing AD Clinical Trials Impacted by COVID-19 using Machine Learning and Existing Placebo Data to Recover Trial Power

Jonathan Walsh, Alejandro Schuler, Daniele Bertolini, Diana Hall, Yannick Pouliot, Aaron Smith, Charles Fisher

Unlearn.AI, San Francisco, CA (United States)

Friday, NOVEMBER 6

LIVE

9.30 - 12.30 p.m
LIVE SESSIONS

9.30 a.m

Welcome address

Jacques TOUCHON, Montpellier University, Montpellier (France), Mike WEINER, UCSF, San Francisco, CA (United States)

9.32 a.m

Tauriel Study: topline data results

Edmond Teng (1)

(1) Genentech, Inc. - South San Francisco, CA (United States), (2) F. Hoffmann-La Roche - Basel (Switzerland)

Live Panel Discussion

10.02 a.m

OC28 - Complementary analyses of the AMBAR trial: plasma exchange treatment slows cognitive, functional and global decline of amyloid positive and negative individuals

Jessie Nicodemus-Johnson (1), Suzanne Hendrix (1), Miquel Barceló (2), Mercè Boada (3, 4), Oscar Lopez (5), Laura Nuñez (2), Carlota Grifols (2), Antonio Páez (2)

(1) Pentara Corporation - Salt Lake City, UT (United States), (2)Alzheimer's Research Group, Grifols - Barcelona (Spain), (3)Research Center And Memory Clinic, Fundació Ace, Institut Català De Neurociències Aplicades-Universitat Internacional De Catalunya - Barcelona (Spain), (4)Centro de Investigación Biomédica en Red de Enfermedades Neurodegenerativas (CIBERNED), Instituto de Salud Carlos III - Madrid (Spain), (5)Departments Of Neurology And Psychiatry, University Of Pittsburgh School Of Medicine - Pittsburgh, PA (United States)

10.17 a.m

OC29 - Late breaking communication (215) Constructing a more sensitive clinical trial outcome measure for agitation in Alzheimer's disease: incorporating IPA agitation criteria

Zahinoor Ismail (1), Adelaide De Mauleon (2), David Miller (3), Paul Rosenberg (4), Christelle Cantet (2), Cedric O'gorman (5), Bruno Vellas (2), Constantine Lyketsos (4), Soto- Maria Soto-Martin (2)

(1)University Of Toulouse - Toulouse (France), (2)University Of Calgary - Calgary (Canada), (3)Signant Health - Plymouth Meeting (United States), (4)Johns Hopkins - Baltimore (United States), (5)Axsome Therapeutics - New York (United States

10.32 a.m

OC30 - Evaluation of Liraglutide in treatment for Alzheimer's disease

Paul Edison (1, 2), Grazia Femminella (1), Clive Holmes (3), Craig Ritchie (4), Basil Ridha (5), Zuzana Walker (6), Christian Holscher (7), Eleni Frangou (6), Sharon Love (6), Robert Lawrence (8), Brady Mcfarlane (3), George Tadros (9), Hilary Archer (10), Elizabeth Coulthard (10), Benjamin Underwood (11), Paul Koranteng (12), Salman Karim (13), John Harrison (14), Peter Passmore (15), Clive Ballard (16)

(1) Imperial College London - London (United Kingdom), (2)Cardiff University - Cardiff (United Kingdom), (3)University Of Southampton - Southampton (United Kingdom), (4)University Of Edinburgh - Edinburgh (United Kingdom), (5)Brighton And Sussex University Hospitals - Brighton (United Kingdom), (6)University College London - London (United Kingdom), (7)Henan University Of Chinese Medicine - Zhengzhou (China), (8)St George's University Of London - London (United Kingdom), (9)Birmingham Heartlands Hospital - Birmingham (United Kingdom), (10)University Of Bristol - Bristol (United Kingdom), (11)University Of Cambridge - Cambridge (United Kingdom), (12)Northamptonshire Nhs Trust - Northampton (United Kingdom), (13)Lancashire Care NHS - Walton Summit Centre (United Kingdom), (14)Kings College London - London (United Kingdom), (15)Queens University, Belfast - Belfast (United Kingdom), (16)University Of Exeter - Exeter (United Kingdom)

10.47 a.m

OC31 - Impact of pimavanserin on cognitive measures in patients with neurodegenerative disease: results from 4 placebo-controlled clinical studies

Clive Ballard (1), Erin P. Foff (2), Pierre Tariot (3), Bradley Mcevoy (2), Bruce Coate (2), George Demos (2), Ana Berrio (2), Brandon Abbs (2), James M. Youakim (2), Srdjan Stankovic (2)

(1) University Of Exeter Medical School, Exeter (United Kingdom), (2) ACADIA Pharmaceuticals, Inc, Princeton, NJ (United States), (3) Banner Alzheimer's Institute, Phoenix, AZ (United States)

Friday, NOVEMBER 6

LIVE

11.02 a.m

LB25 - ANAVEX®2-73 (blarcamesine) Currently in Phase 2b/3 Early Alzheimer's Disease (AD): Analysis of Cognitive Outcome Measures Relevant in AD of Double-blind, Multicenter, Placebo-controlled Phase 2 Clinical Trial in 132 Patients with Parkinson's Disease Dementia

Dag Aarsland (1), Jaime Kulisevsky Bojarski (2), Mohammad Afshar (3), Coralie Williams (3), Frederic Parmentier (3), Martin Kindermans (3), Tayo Fadiran (4), Andy Mattai (4), Christopher U Missling (4), Walter E Kaufmann (4)

(1)King's College - London (United Kingdom); (2)University of Barcelona - Barcelona (Spain); (3)Ariana Pharma - Paris (France); (4)Anavex Life Sciences - New York, NY (United States)

11.17 a.m

LIVE Q&A OF ORAL COMMUNICATIONS OC28 to LB25

Moderated by Philip SCHELTENS, Alzheimer Center Amsterdam, Amsterdam (The Netherlands)

11.40 a.m

KEYNOTE 3

Remote assessment of cognitive and clinical decline

Jeffrey Kaye, *MD – Layton Aging and Alzheimer's Disease Center, School of Medicine, Oregon Health and Science University, Portland, OR (United States)*

12.00 p.m

SYMPOSIUM 3

Trial-Ready Cohort for Preclinical and Prodromal Alzheimer's disease Platform (TRC-PAD Platform)

Chair: Sarah WALTER, Alzheimer's Therapeutic Research Institute, University Of Southern California, San Diego, CA (United States)

Presentation 1: Trial-Ready Cohort for Preclinical and Prodromal Alzheimer's disease Platform (TRC-PAD Platform) Design and Scientific rationale

Paul Aisen, *Alzheimer's Therapeutic Research Institute, University Of Southern California, San Diego, CA (United States)*

Presentation 2: Building the Trial-Ready Cohort for Preclinical and Prodromal Alzheimer's Disease (TRC-PAD) - Experience from the first three years

Sarah Walter, *Alzheimer's Therapeutic Research Institute, University Of Southern California, San Diego, CA (United States)*

Presentation 3: Accelerating Participant Recruitment in Alzheimer's Disease Clinical Trials using adaptive statistical modeling

Oliver Langford, *Alzheimer's Therapeutic Research Institute, University Of Southern California, San Diego, CA (United States)*

Presentation 4: TRC-PAD: Accelerating Recruitment of AD Clinical Trials through Innovative Information Technology

Gustavo Jimenez-Maggiora, *Alzheimer's Therapeutic Research Institute, University Of Southern California, San Diego, CA (United States)*

Live panel discussion

1.00 p.m

Live interaction with poster presenters: Meet the authors in the poster hall

ON DEMAND

OC33 - The Amsterdam Instrumental Activities of Daily Living Questionnaire in prodromal vs. mild Alzheimer's disease: Analysis of baseline data from the Tauriel study

Edmond Teng (1), Paul Manser (1), Christopher Randolph (2), Karen Pickthorn (1), Mira Blendstrup (1), Michael Keeley (1), Phillip Scheltens (3), Sietske Sikkes (3)

(1) Genentech, Inc. - South San Francisco, CA (United States), (2)Medavante, Inc. – Hamilton, NJ (United States), (3)Amsterdam University Medical Center - Amsterdam (The Netherlands)

OC34 - Magnetic resonance imaging measures of brain atrophy across the EXPEDITION trials in mild and moderate Alzheimer's disease dementia

Diana O. Svaldi (1), Ixavier A. Higgins (1), Sergey Shcherbinin (1), Scott W. Andersen (1), David Scott (2), Karen C. Holdridge (1), Roy Yaari (1), John R Sims (1)

(1) Eli Lilly And Company, Indianapolis, IN (United States), (2) Bioclinica, Newark, CA (United States)

Friday, NOVEMBER 6

ON DEMAND

OC35 - The ADNI Diversity Taskforce: A closer look at the screening and enrolment of underrepresented populations in the Alzheimer's Disease Neuroimaging Initiative (ADNI)-3

Miriam T. Ashford (1), Rema Raman (2), Garrett Miller (2), Michael C. Donohue (2), Ozioma Okonkwo (3), Monica River Mindt (4), Rachel L. Nosheny (5), Ronald C. Petersen (6), Paul S. Aisen (2), Michael W. Weiner (7)

(1) Northern California Institute For Research And Education (NCIRE), Department Of Veterans Affairs Medical Center - San Francisco, CA (United States), (2)Alzheimer's Therapeutic Research Institute, University of Southern California - San Diego, CA (United States), (3)Wisconsin Alzheimer's Disease Research Center And The Department of Medicine, University of Wisconsin School Of Medicine And Public Health – Madison, WI (United States), (4)Psychology & Latin American Latino Studies Institute, Fordham University, Joint Appointment In Neurology, Icahn School of Medicine At Mount Sinai - New York, NY (United States), (5)Department of Psychiatry, University of California San Francisco - San Francisco, CA (United States), (6)Department of Neurology, Mayo Clinic – Rochester, MN (United States), (7)Department of Radiology and Biomedical Imaging, University of California San Francisco - San Francisco, CA (United States)

OC36 - Remote Collection of Over 600 Blood Samples from Participants Enrolled in an Online Registry in One Month During the COVID Epidemic

Juliet Fockler (1), Taylor Howell (1), Aniekan Ekanem (1), Derek Flenniken (2), Alexander Happ (2), Miriam Ashford (2), Jacqueline Hayes (2), Diana Truran (2), R. Scott Mackin (1), Kaj Blennow (3), Daniel Geschwind (4), Eran Halperin (4), Giovanni Coppola (5), Rachel Nosheny (1), Michael Weiner (1)

(1) UCSF, San Francisco, CA (United States), (2) NCIRE, San Francisco, CA (United States), (3) University Of Gothenburg, Gothenburg (Sweden), (4) UCLA, Los Angeles, CA (United States), (5) Regeneron Genetic Center, New York, NY (United States)

OC37 - Baseline characteristics of the Mild Alzheimer's Disease Patient Population Included in the Ongoing Randomized, Double-Blind, Placebo-Controlled Multiple Ascending Dose Phase 1b Study of Intrathecally Administered Tau Antisense Oligonucleotide (ISIS 81490)

Catherine Mummery (1), Candice Junge (2), Laury Mignon (2), Katrina Moore (2), Chris Yun (2), Dan Li (2), Dan Norris (2), Becky Crean (2), Elena Ratti (3), Ellen Huang (3), Roger Lane (2)

(1) University College London, London (United Kingdom), (2) Ionis Pharmaceuticals Inc., Carlsbad, CA (United States), (3) Biogen Inc., Cambridge, MA (United States)

OC38 - Translational pharmacology of IBC-Ab002, a novel fully human anti-PD-L1 antibody, for treating Alzheimer's disease

Eti Yoles (1), Kuti Baruch (1), Alexander Kertser (1), Omri Matalon (1), Ofir Fursht (1), Shai Braiman (1), Carol David (1), Eliezer Shochat (2), Jesse Cedarbaum (3, 1), Michal Schwartz (4, 1)

(1) Immunobrain Checkpoint Ltd., Ness Ziona (Israel), (2) Shochat Pharma Services, Reinach Bl (Switzerland), (3) Coeruleus Clinical Sciences Llc, Woodbridge, CT (United States), (4)Weizmann Institute Of Science, Rehovot (Israel)

OC39 - Detecting meaningful change in everyday functioning: A mixed-methods approach to establish clinical meaningfulness of changes on the Amsterdam IADL questionnaire

Mark Dubbelman (1), Merike Verrijp (1), Roos Jutten (1), Caroline Terwee (2), Leonie Visser (1, 3), Wiesje Van Der Flier (1), Philip Scheltens (1), Sietske Sikkes (1, 4)

(1) Alzheimer Center Amsterdam, Department of Neurology, Amsterdam Neuroscience, Vrije Universiteit Amsterdam, Amsterdam UMC - Amsterdam (The Netherlands), (2)Department Of Epidemiology And Biostatistics, Amsterdam UMC - Amsterdam (The Netherlands), (3)Department of Medical Psychology, Amsterdam Public Health research institute, University of Amsterdam, Amsterdam UMC - Amsterdam (The Netherlands), (4)Faculty of Behavioural and Movement Sciences , Clinical Developmental Psychology & Clinical Neuropsychology, Vrije Universiteit Amsterdam - Amsterdam (The Netherlands)

OC40 - The electronic Person-Specific Outcome Measure (ePSOM) development program

Craig Ritchie (1), Stina Saunders (1), Graciela Muniz-Terrera (1), Shane Sheehan (1), Saturnino Luz (1), Alison Evans (2)

(1) University Of Edinburgh, Edinburgh (United Kingdom), (2) Alzheimer's Research UK, Edinburgh (United Kingdom)

Friday, NOVEMBER 6

ON DEMAND

LATE BREAKING COMMUNICATIONS

LB4 - Development of a disease progression model for Alzheimer's disease informed by multiple clinical trials and ADNI to predict longitudinal trajectory of CDR-SOB score

Samira Jamalian (1), Michael Dolton (1), Pascal Chanu (2), Vidya Ramakrishnan (1), Kristin Wildsmith (1), Bali Toth (1), Paul Manser (1), Edmond Teng (1), Jin Jin (1), Angelica Quartino (1), Joy Hsu (1)

(1) Genentech, Inc. - South San Francisco, CA (United States), (2) F. Hoffmann-La Roche Ltd/Genentech - Lyon (France)

LB11 - Remote mobile app-based memory assessments reflect traditional memory measures and are sensitive to measures of tau pathology

David Berron (1), Felix Andersson (2), Shorena Janelidze (1), Erik Stomrud (2), Oskar Hansson (1)

(1) Clinical Memory Research Unit, Department Of Clinical Sciences Malmö, Lund University, Sweden, (2) Memory Clinic, Skåne University Hospital, Sweden

LB12 - Dementias Platform UK Clinical Studies and Great Minds register: A Targeted Brain Health Volunteer Re-Contact Platform

Ivan Koychev, Simon Young, Michael Ben Yehuda, John Gallacher

University Of Oxford, Oxford (United Kingdom)

LB13 - Serotonin receptor 7 (5-HT7R) as a novel target for treatment of Alzheimer's disease

Evgeni Ponimaskin (1), Josephine Labus (1), Kian-Fritz Roehrs (1), Hristo Varbanov (1), Rahul Kaushik (2), Shaobo Jia (2)

(1) Hanover Medical School - Hannover (Germany), (2) Dzne - Magdeburg (Germany)

LATE BREAKING COMMUNICATIONS ON ANIMAL STUDIES

LB14 - The dual GLP-1/GIP receptor agonist DA4-JC shows superior protective properties compared to liraglutide in the APP/PS1 mouse model of Alzheimer's disease

Christian Hölscher

Kariya Pharmaceuticals - Copenhagen (Denmark)

LB15 - Irregular Sleep-Wake Rhythm Disorder in Alzheimer's Disease: SAMP8 Mouse Strain as an Animal Model and Efficacy of the Dual Orexin (Hypocretin) Receptor Antagonist Lemborexant

Carsten Beuckmann 1, Hiroyuki Suzuki 1, Erik Musiek 2, Takashi Ueno 1, Toshitaka Sato 1, Yoshihide Osada 1, Margaret Moline 3

(1)Eisai Co., Ltd., Tsukuba - Ibaraki (Japan), (2)Washington University School Oof Medicine - St. Louis (United States), (3)Eisai Inc. - Woodcliff Lake (United States)

LB16 - Induction of phagocytic monocytes by a proteosome-based adjuvant (Protollin) for the treatment Alzheimer's disease

Panagiota Kolypetri

Brigham and Women's Hospital - Boston, MA (United States)

Saturday, NOVEMBER 7

9.30 - 12.30 p.m
LIVE SESSIONS

LIVE

9.30 a.m

Welcome address

Paul AISEN, Alzheimer's Therapeutic Research Institute, University of Southern California, San Diego, CA (United States), Bruno VELLAS, Gerontopole, Toulouse University, Toulouse (France)

9.35 a.m

KEYNOTE 4

Translational Research from Geroscience to Alzheimer's therapy

Felipe Sierra, *PhD, Gerontopole, Toulouse University, Toulouse (France)*

9.55 a.m

LB17 - Multidomain intervention and/or omega 3 in non-demented subjects according to plasma Aβ42/40 ratio: cognitive impact at 3 and 5 years in a subgroup analysis from the randomized clinical MAPT trial

Julien Delrieu (1), Bruno Vellas (1), Christelle Cantet (1), Randall Bateman (2), Sandrine Andrieu (1)

(1) Toulouse University Hospital and Inserm UMR1027 - Toulouse (France), (2) Knight Alzheimer Disease Research Center, Washington University School Of Medicine, St. Louis, MO - Washington (United States)

10.10 a.m

LB18 - Plasma P-tau217 predicts longitudinal amyloid accumulation, tau burden, brain atrophy and cognitive decline in early Alzheimer's disease

Joana Pereira (1, 2), Shorena Janelidze (1), Stomrud Erik (1), Sebastian Palmqvist (1), Jeffrey Dage (3), Niklas Mattsson-Carlgren (1), Oskar Hansson (1)

(1)Lund University - Lund (Sweden), (2)Karolinska Institute - Stockholm (Sweden), (3)Eli Lilly And Company - Indianapolis (United States)

10.25 a.m

LB19 - Regional Effects of Gantenerumab on Neuroimaging Biomarkers in the Dominantly Inherited Alzheimer Network Trials Unit (DIAN-TU)

Tammie Benzinger (1), Austin Mccullough (1), Brian Gordon (1), Charles Chen (1), Guoqiao Wang (1), Gregory Klein (2), Randall Bateman (1)

(1)Washington University School Of Medicine - St. Louis, MO (United States), (2)Roche - Basel (Switzerland)

10.40 a.m

LB20 - Modifications in Response to Disruption from COVID-19 in Alzheimer's Trials

Lon Schneider (1), Karen Messer (2), Ronald Thomas (2), Carol Evans (2), Diane Jacobs (2), Shelia Jin (2), Jeffrey Kaye (3), Andrea Lacroix (2), Yuqi Qiu (2), David Salmon (2), Mary Sano (4), Kimberly Schafer (2), Howard Feldman (2)

(1)Keck School Of Medicine Of USC - Los Angeles, CA (United States), (2)UCSD - San Diego, CA (United States), (3)Oregon Health Sciences University – Portland, OR (United States), (4)Icahn School Of Medine At Mt. Sinai - New York , NY (United States)

10.55 a.m

LIVE Q&A OF ORAL COMMUNICATIONS LB17 to LB20

Moderated by Lon SCHNEIDER, Keck School of Medicine, USC, Los Angeles, CA (USA)

11.12 a.m

KEYNOTE 5

Implementing the lessons of epidemiology

Kristine Yaffe, *MD - University of California at San Francisco, San Francisco, CA (United States)*

11.34 a.m

LB21 - Sumifilam (PTI-125) significantly improves eleven CSF biomarkers in a randomized, placebo-controlled, one-month clinical trial in Alzheimer's disease patients

Lindsay Burns (1), Hoau-Yan Wang (2), Zhe Pei (2), Kuo-Chieh Lee (2), Yaneicy Gonzalez-Rojas (3), Tamara Doehner (4), John Puente (4), Patrick Sciara (4), Brian Beck (4), Evelyn Lopez-Brignoni (5), Boris Nikolov (5), Carrie Crowley (1), Nadav Friedmann (1)

(1)City University Of New York School Of Medicine - New York, NY (United States), (2)Optimus U Corp - Miami (United States), (3)Cognitive Clinical Trials – Omaha, NE (United States), (4)Cognitive Clinical Trials – Phoenix, AZ (United States), (5)Imic Research - Palmetto Bay, FL (United States), (6)Cassava Sciences, Inc. – Austin, TX (United States)

Saturday, NOVEMBER 7

LIVE

11.49 a.m

LB22 - The p38α kinase inhibitor neflamapimod significantly improves cognition in patients with mild-to-moderate dementia with Lewy bodies (DLB)

John J Alam (1), Steven N Gomperts (2), Paul Dautzenberg (3), A.w. Lemstra (3, 4), Steven E Arnold (2), Niels Prins (3, 4), Hui-May Chu (5), Amanda Gardner (1), Kelly Blackburn (1), Chris Edgar (6), Paul Maruff (7), Philip Scheltens (4), John E. Harrison (4, 8)

(1)E I P Pharma, Inc – Boston, MA (United States), (2)Massachusetts Alzheimer's Disease Research Center, Massachusetts General Hospital – Charlestown, MA (United States), (3)Brain Research Center - Den Bosch (Netherlands), (4)Brain Research Center - Amsterdam (Netherlands), (5) Amsterdam UMC - Amsterdam (Netherlands), (6)Anoixis Corporation – Natick, MA (United States), (7)Cogstate Ltd - London (United Kingdom), (8)Cogstate Ltd - Melbourne (Australia), (9)Metis Cognition Ltd - Kilmington (United Kingdom)

12.04 p.m

LB23 - A Phase 1, First-In-Human (FIH), Single Ascending Dose (SAD) Study of the Novel Anti-Tau Therapeutic Antibody E2814 in Healthy Volunteers

Pau Aceves (1), Monique Giroux (2), Peter Boyd (1), Jagadeesh Aluri (2), Muneo Aoyama (3), Pallavi Sachdev (2), Stacie O'sullivan (2), Eri Takahashi (3), Robert Gordon (1), Larisa Reyderman (2)

(1)Eisai Co., Ltd - Hatfield (United Kingdom), (2)Eisai Inc. - Woodcliff Lake, NJ (United States), (3)Eisai Co., Ltd - Tsukuba (Japan)

12.19 p.m

LB24 - Preliminary Analysis Of BAN2401 Effects On Brain Amyloid And ARIA-E Findings Over 12 Months Of Treatment In The Open-Label Extension Of The Phase2b Study BAN2401-G000-201 In Subjects With Early Alzheimer's Disease

Chad J Swanson (1), Shobha Dhadda (1), Mark Hodgkinson (2), David Li (1), Michio Kanekiyo (1), June Kaplow (1), Martin Rabe (1), Helena Heanue-Travers (2), Robert Gordon (2), Robert Lai (2), Lynn Kramer (1)

(1)Eisai Co., Ltd - Hatfield (United Kingdom), (2)Eisai Inc. - Woodcliff Lake, NJ (United States)

12.34 p.m

LIVE Q&A OF LATE-BREAKING COMMUNICATIONS LB21 to LB24

Paul AISEN, Alzheimer's Therapeutic Research Institute, University of Southern California, San Diego, CA (United States)

1.00 p.m

Live interaction with poster presenters: Meet the authors in the poster hall

ON DEMAND

SYMPOSIUM 4

Accelerating the Development of Novel Biomarkers for Alzheimer's Disease and Related Dementias: A Progress Report From The Diagnostics Accelerator Initiative

Howard Fillit (1), Niranjan Bose (2) Henrik Zetterberg (3,4), Simon Lovestone (5), Rhoda Au (6)

(1) Alzheimer's Drug Discovery Foundation, New York, NY (United States), (2) Gates Ventures LLC, Kirkland, WA (United States), (3) University of Gothenburg, Gothenburg (Sweden), (4) University College London, London (United Kingdom), (5) Janssen-Cilag, High Wycombe (United Kingdom), (6) Boston University Schools of Medicine, Boston, MA (United States)

SYMPOSIUM 5

Composite cognitive endpoints for clinical trials in neurodegenerative disease

Chair: Michael Donohue, Keck School of Medicine, Los Angeles, CA (United States)

Presentation 1: Conceptual and methodological issues related to composite development and validation

Terry Goldberg, *Columbia University Medical Center, New York, NY (United States)*

Presentation 2: The PACC: Development, validation, and current-status

Kathryn V. Papp, *Brigham And Women's Hospital, Boston, MA (United States)*

Presentation 3: The HD-CAB: Data summarization approaches, and clinical meaningfulness

Julie C. Stout, *School of Psychological Sciences At Monash University, Melbourne (Australia)*

Saturday, NOVEMBER 7

ON DEMAND

OC41 - Predicting the impact of blood biomarkers on cost and wait time in diagnosing treatment-eligible patients for Alzheimer's disease

Soeren Mattke (1), Sang Kyu Cho (1), Tobias Bittner (2), Jakub Hlavka (1), Mark Hanson (1)
(1) University Of Southern California, Los Angeles, CA (United States), (2) Roche, Basel (Switzerland)

OC42 - Neuroimaging-derived Neurite Density and Orientation Dispersion Are More Informative for Predicting Alzheimer's Clinical Diagnosis than CSF Amyloid and Tau Status Alone

Rigina Louise Gallagher (1), Nagesh Adluru (1), Nick Vogt (1), Carol A. Van Hulle (1), Erin Jonaitis (1), Rebecca Koscik (1), Steven R. Kecskemeti (1), Nathaniel A. Chin (1), Sanjay Asthana (1), Gwendlyn Kollmorgen (2), Cynthia M. Carlsson (1), Sterling C. Johnson (1), Henrik Zetterberg (3), Kaj Blennow (3), Andrew L. Alexander (1), Barbara Bendlin (1)
(1) University Of Wisconsin-Madison, Madison, WI (United States), (2) Roche Pharmaceuticals, Basel (Switzerland), (3) University Of Gothenburg, Gothenburg (Sweden)

OC43 - Accounting for Cognitive Practice Effects Results in Earlier Diagnosis and Can Save Millions of Dollars in a Clinical Trial

William Kremen (1), Mark Sanderson-Cimino (1), Jeremy Elman (1), Xin Tu (1), Alden Gross (2), Mark Bondi (1), Amy Jak (1), Michael Lyons (3), Carol Franz (1)
(1) UC San Diego, La Jolla, CA (United States), (2) Johns Hopkins University, Baltimore, MD (United States), (3) Boston University, Boston, MA (United States)

OC44 - The Innate Immune System Modulator GM-CSF/Sargramostim is Safe and Potentially Efficacious in Participants with Mild-to-Moderate Alzheimer's Disease

Huntington Potter (1), Jonathan Woodcock (1), Timothy Boyd (1), Stefan Sillau (1), Christina Coughlan (1), John O'shaughnessy (1), Manuel Borges (1), Ashesh Thaker (1), Balaibail Raj (2), Vanesa Adame (1), Katarzyna Adamszuk (3), David Scott (3), Heidi Chial (1), Helen Gray (1), Joseph Daniels (1), Michelle Stocker (1)
(1) University Of Colorado Anschutz Medical Campus, Aurora, CO (United States), (2) University Of South Florida, Tampa, FL (United States), (3) Bioclinica, Newark, CA (United States)

OC45 - The Alzheimer's Disease Event Inventory: Analysis of baseline data from the Tauriel study

Edmond Teng (1), Paul Manser (1), Geoffrey Kerchner (2), Michael Ward (1), Karen Pickthorn (1), Mira Blendstrup (1), Claire Lansdall (2), Michael Keeley (1), Fiona Mcdougall (1)
(1)Genentech, Inc. - South San Francisco, CA (United States), (2)F. Hoffmann-La Roche - Basel (Switzerland)

POSTERS SESSION

POSTER PRESENTATIONS

THEME 1
Clinical trials: methodology

P2 **Comparing the Down Syndrome Community Experience with Sporadic AD Participant Insights: Overcoming Barriers to Clinical Trial Recruitment**
J. Hendrix 1, P. Ferrell 2, M. Chevrette 1, H. Barce 2, T. Batdorf 2, H. Hillerstrom 1
1Lumind Idsc - Burlington (United States), 2Eli Lilly & Company - Indianapolis (United States)

P3 **Key baseline characteristics of participants enrolled using tau PET screening in two phase 2 trials**
S. Shcherbinin 1, S. Andersen 1, W. You 1, C. Evans 1, L. Munsie 1, A. Lo 1, J. Sims 1
Eli Lilly And Company - Indianapolis (United States)

P4 **First in Human study with ALZ-101, a unique and highly specific therapeutic vaccine against the neurotoxic oligomeric form of Aβ 1-42.**
A. Sandberg 1, I. Nylander, 1, M. Sheinin 2, 3, J. Rinne 2, 4, 5, Z. Lovro´ 2, K. Torfgård 1, A. Bylock 1
1Alzinova Ab - Gothenburg (Sweden), 2Crst - Turku (Finland), 3University of Turku, Institute of Biomedicine - Turku (Finland), 4Turku PET centre, University of Turku - Turku (Finland), 5Division of Clinical Neurosciences, Turku University Hospital - Turku (Finland)

P5 **Salvaging COVID-19 Interrupted Alzheimer Clinical Trials Using Virtual Patient Simulations**
P. Van Der Graaf 1, H. Geerts 2
1Certara - Canterbury (United Kingdom), 2Certara - Berwyn (United States)

P6 **Predicting CDR-SB progression using data from 6 interventional clinical trials and ADNI**
B. Toth 1, V. Steffen 1, Y. Chen 1, C. Rabe 1, M. Friesenhahn 1, T. Bittner 2
1Genentech - South San Francisco (United States), 2Roche - Basel (Switzerland)

P7 **Can Pharmacodynamic Interaction With Genotypes and Comedications Explain Variability In Clinical Trials? A Quantitative Systems Analysis**
H. Geerts 1, A. Spiros 2
1Certara - Berwyn (United States), 2In Silico Biosciences - Portland (United States)

P8 **Finding treatment effects in Alzheimer's trials in the face of heterogeneity in disease progression**
R. Jutten 1, S. Sikkes 1, W. Van Der Flier 1, P. Scheltens 1, P.J. Visser 1, B. Tijms 1
Amsterdam Umc, Location Vumc - Amsterdam (Netherlands)

P9 **Analytical validation of APTUS-Aβ assay: an accurate, reproducible and precise LC-MS/MS assay for quantifying plasma amyloid beta 40 and 42**
K. Kirmess 1, M. Holubasch 1, S. Knapik 1, M. Meyer 1, J. Contois 1, Y. Hu 1, P. Verghese 1, E. Smith 1, S. Harpstrite 1, T. West 1, I. Fogelman 1, J. Braunstein 1, K. Yarasheski 1
C2n Diagnostics - St Louis (United States)

P10 **Reducing sample size requirements for randomized control trials using high-frequency markers**
D. Taylor-Rodriguez 1, D. Lovitz 1, N. Mattek 2, C.Y. Wu 2, J. Kaye 2, H. Dodge 2, B. Jedynak 1
1Portland State University - Portland (United States), 2Ohsu - Portland (United States)

P11 **Disparities in Alzheimer's Disease Clinical Trial Enrollment in the United States and Canada: An Indigenous Perspective**
N. Olson 1, B. Albensi 1
St Boniface Hospital Research - Winnipeg (Canada)

P12 **The Impact of Protocol Design on Data Quality Findings in Dementia Clinical Trials**
D. Miller 1, X. Wang 1, A. Kott 2
1Signant Health - Blue Bell (United States), 2Signant Health - Prague (Czech Republic)

P13 **Recruitment and Retention in Two Decades of NIH-Funded Alzheimer's Disease Clinical Trials**
M. Ritchie 1, 2, D. Gillen 3, 2, J. Grill 1, 4, 2
1Department Of Neurobiology And Behavior, University Of California, Irvine - Irvine (United States), 2Institute for Memory Impairments and Neurological Disorders, University of California, Irvine - Irvine (United States), 3Department Of Statistics, University Of California, Irvine - Irvine (United States), 4Department of Psychiatry & Human Behavior, University of California, Irvine - Irvine (United States)

P14 **Using Digital Twins to Decrease Enrollment and Increase Statistical Power in Alzheimer's Disease Clinical Trials**
D. Hall 1, A. Schuler 1, Y. Pouliot 1, D. Bertolini 1, A. Smith 1, C. Fisher 1, J. Walsh 1
Unlearn.ai – San Francisco (United States)

P15 **Validation of a novel technology for non-invasive prognosis of amnestic MCI in clinics and clinical trials**
K. Vejdani 1, E. Khosravi 1, T. Liebmann 1, P. Krishnamurthy 1, P. Kamali-Zare 1
1Darmiyan San Francisco (United States)

LP01 **Factors affecting willingness to participate in an FMT study for Alzheimer's disease**
J. Thorstenson 1, M. Heston 1, 2, N. Vogt 1, S. Harding 1, M. Beilfuss 1, R. Aune 1, J. Langfus 3, N. Davenport-Sis 1, N. Chin 1, F. Rey 2, B. Bendlin 1, 4
1Wisconsin Alzheimer's Disease Research Center, University Of Wisconsin School Of Medicine And Public Health - Madison (United States), 2University Of Wisconsin-Madison (United States), 3Department Of Psychology And Neuroscience, University Of North Carolina At Chapel Hill - Chapel Hill (United States), 4Wisconsin Alzheimer's Institute, University of Wisconsin School of Medicine and Public Health - Madison (United States)

POSTER PRESENTATIONS

LP02 **Use of predictive algorithms for the selection of patients in clinical trials: an enrichment strategies comparison**
A. Movschin 1, C. Longo Dos Santos 1, A. Mascia 1, J. Samper-González 1, U. Thoprakarn 1, P. Tran 1, 2, J.B. Martini 1, E. Cavedo 1
1Qynapse Sas - Paris (France), 2Equipe-projet ARAMIS, ICM, CNRS UMR 7225, Inserm U1117, Sorbonne Université UMR_S 1127, Centre Inria de Paris, Groupe Hospitalier Pitié-Salpêtrière Charles Foix, Faculté de Médecine Sorbonne Université - Paris (France)

LP03 **Applying Feedback from an Advisory Board of Research Participants to Improve Clinical Trials in Alzheimer's Disease and Related Dementias**
S. Walter 1
Alzheimer's Therapeutic Research Institute, University Of Southern California - San Diego, CA (United States)

THEME 2
Clinical trials: results

P16 **New Horizons in Alzheimer Research from Amyloid and Beyond**
J. Apter 1, R. Iqbal 2, O. Aung 2
1 Global Clinical Trials - Princeton (United States), 2Princeton Medical Institute - Princeton (United States)

P17 **Administering tricaprilin after a meal optimises bioavailability and minimises adverse events**
J. Walker 1, L. Nelleman 1, L. Chow 1, B. Morimoto 2
1Cerecin - Singapore (Singapore), 2Cerecin - Denver (United States)

P18 **Novel formulation AC-SD-03 of tricaprilin leads to excellent PK and safety in doses of up to 30g BID**
L. Chow 1, L. Nelleman 1, B. Morimoto 2, J. Walker 1
1Cerecin - Singapore (Singapore), 2Cerecin - Denver (United States)

P19 **An evidence-based risk-mitigation approach to study design in APOE4(-) mild to moderate AD**
J. Walker 1, L. Nelleman 1, B. Morimoto 2, L. Chow 1
1Cerecin - Singapore (Singapore), 2Cerecin - Denver (United States)

P20 **Tricaprilin Shows Similar PK, Safety and Tolerability in Caucasians and Asians**
B. Morimoto 1, L. Nelleman 2, L. Chow 2, J. Walker 2
1Cerecin - Denver (United States), 2Cerecin - Singapore (Singapore)

P21 **Frequency of Antipsychotic-Associated Adverse Events with Pimavanserin Treatment in Patients with Dementia-related Psychosis**
G. Demos 1, E.P. Foff 1, D. Weintraub 2, B. Mcevoy 1, S. Stankovic 1
1ACADIA Pharmaceuticals, Inc. - Princeton (United States), 2University Of Pennsylvania School Of Medicine - Philadelphia (United States)

P22 **The Alzheimer's disease THErapy with NEuroaid (ATHENE) Study: Assessing the Safety and Efficacy of Neuroaid II (MLC901) in patients with mild to moderate Alzheimer's disease stable on Cholinesterase inhibitors or Memantine: A 6-month Randomized, double-blind, placebo-controlled trial with a 6-month open label extension: RESULTS**
C.L. Chen 1, B.Y. Tan 2, L. Qingshu 3, N. Venketasubramanian 4
1National University Of Singapore - Singapore (Singapore), 2St Luke's Hospital - Singapore (Singapore), 3Singapore Clinical Research Institute - Singapore (Singapore), 4Raffles Neuroscience Centre - Singapore (Singapore)

P23 **A multiple ascending dose study to evaluate the safety, tolerability, pharmacokinetics, and pharmacodynamics of the anti-phospho-tau antibody JNJ-63733657**
W. Galpern 1, K. Haeverans 2, L. Janssens 2, G. Triana-Baltzer 3, H. Kolb 3, L. Li 1, P. Nandy 4, M. Mercken 2, K. Van Kolen 2, H. Sun 1, L. Van Nueten 2
1Janssen Research & Development - Titusville (United States), 2Janssen Research & Development - Beerse (Belgium), 3Janssen Research & Development - La Jolla (United States), 4Janssen Research & Development - Raritan (United States)

P24 **The Critical Path for Alzheimer's Disease (CPAD) – Pre-competitive data sharing and generation of innovative high-impact quantitative tools to support Alzheimer's disease drug development**
S. Sivakumaran 1, K. Romero 1, N. Hanan 1, Y. Karten 1, V. Sinha 2, S. Budd Haeberlein 3, N. Rabbee 4
1Critical Path Institute - Tucson (United States), 2Merck & Co. - Kenilworth (United States), 3Biogen - Cambridge (United States), 4Eisai - Woodcliff Lake (United States)

P25 **Sensory Gamma Stimulation Therapy Reduces Sleep Disruptions in Alzheimer's Subjects as Assessed by Continuous Actigraphy Recordings**
A. Cimenser 1, E. Hempel 1, T. Travers 1, M. Williams 1, M. Hajos 1, Z. Malchano 1
Cognito Therapeutics, Inc - Cambridge (United States)

LP04 **Applying machine learning algorithms to predict amyloid risk in Japanese Trial-Ready Cohort webstudy**
K. Sato 1, R. Ihara 2, K. Suzuki 3, Y. Niimi 4, A. Iwata 2, T. Iwatsubo 5
1Department Of Neurology, University Of Tokyo - Bunkyo City (Japan), 2Department Of Neurology, Tokyo Metropolitan Geriatric Medical Center Hospital - Itabashi City (Japan), 3Division Of Neurology, National Defence Medical College - Tokorozawa (Japan), 4Unit For Early And Exploratory Clinical Development, University Of Tokyo - Bunkyo City (Japan), 5Department Of Neuropathology, University Of Tokyo - Bunkyo City (Japan)

POSTER PRESENTATIONS

THEME 3
Clinical trials: imaging

P27 Molecular Imaging of Tau Pathology in Myotonic Dystrophy Type 1 and Alzheimer's disease: Implications for Underlying Mechanisms

E. Poulin 1, C. Dallaire-Théroux 2, 3, A.M. Cayer 2, 1, D. Bédard-Tremblay 2, 1, T. Rouleau-Bonenfant 2, 1, F. St-Onge 4, J.M. Beauregard 5, N. Sergeant 6, J. Puymirat 5, R. Jr. Laforce 2, 3, 1

1Clinique Interdisciplinaire De Mémoire, Département Des Sciences Neurologiques, CHU de Québec - Québec (Canada), 2Université Laval, Faculté De Médecine - Québec (Canada), 3Clinique Interdisciplinaire de Mémoire, Département des Sciences Neurologiques, CHU de Québec - Québec (Canada), 4Douglas Health Institute - Montréal (Canada), 5Centre De Recherche du CHU de Québec - Québec (Canada), 6Université De Lille, CHRU, Inserm, UMRS 1172, Equipe Alzheimer & Tauopathies - Lille (France)

P28 A Multi-input, Multi-modal Deep Learning Model to Predict Time to Conversion to Alzheimer's Disease

D. Hibar 1, B. Toth 1, C. Rabe 1, D. Clayton 1

Genentech, Inc - South San Francisco (United States)

P29 Perceptions of Amyloid Imaging Among Cognitively Normal Older Adults with Elevated and Not Elevated Amyloid

M. Ryan 1, 2, D. Gillen 1, 2, J. Grill 1, 3, 4

1Institute For Memory Impairments And Neurological Disorders, University Of California, Irvine - Irvine (United States), 2Department Of Statistics, University Of California, Irvine - Irvine (United States), 3Department of Psychiatry and Human Behavior, University of California, Irvine - Irvine (United States), 4Department of Neurobiology and Behavior, University of California, Irvine - Irvine (United States)

P30 Neuroimaging results of the AMBAR Study, a randomized, controlled clinical trial of plasma exchange with albumin replacement for Alzheimer's disease

G. Cuberas-Borrós 1, E. Franquet 2, I. Roca 2, J. Castell-Conesa 2, L. Nuñez 3, M. Boada 4, 5, O.L. López 6, C. Grifols 3, M. Barceló 3, A. Páez 3

1Research & Innovation Unit, Althaia Xarxa Assistencial Universitària De Manresa - Manresa (Spain), 2Department Of Nuclear Medicine, Hospital Universitari Vall D'hebrón, Universitat Autònoma De Barcelona - Barcelona (Spain), 3Alzheimer's Research Group, Grifols - Barcelona (Spain), 4Research Center And Memory Clinic, Fundació Ace, Institut Català De Neurociències Aplicades-Universitat Internacional De Catalunya - Barcelona (Spain), 5Centro de Investigación Biomédica en Red de Enfermedades Neurodegenerativas (CIBERNED), Instituto de Salud Carlos III, - Madrid (Spain), 6Departments Of Neurology And Psychiatry, University Of Pittsburgh School Of Medicine - Pittsburgh, Pennsylvania (United States)

P31 Greater sleep disturbance is associated with lower myelin content in the cingulum in a cohort enriched for Alzheimer's disease risk

K.L. Yang 1, D.C. Dean 2, 3, 4, J.M. Oh 1, N. Davenport-Sis 1, D.T. Plante 5, B.A. Riedner 5, S. Asthana 1, 6, 7, S.C. Johnson 1, 6, 7, A. Alexander 3, 4, B.B. Bendlin 1, 6, 7

1Wisconsin Alzheimer's Disease Research Center, University Of Wisconsin - Madison (United States), 2Department Of Pediatrics, University Of Wisconsin - Madison (United States), 3Department Of Medical Physics, University Of Wisconsin - Madison (United States), 4Waisman Center, University of Wisconsin - Madison (United States), 5Wisconsin Institute For Sleep And Consciousness, University Of Wisconsin - Madison (United States), 6Wisconsin Alzheimer's Institute, University Of Wisconsin - Madison (United States), 7Geriatric Research Education and Clinical Center, William S. Middleton Veterans Hospital - Madison (United States)

P32 Cerebellar atrophy can predict conversion of amnestic mild cognitive impairment to dementia in patient with amyloid negative

H.J. Kim 1, S. Lee 1, S. Jo 1, J.H. Lee 1

Department Of Neurology, Asan Medical Center - Seoul (Korea, Republic of)

P33 Early impairment in the ventral visual pathway can predict conversion to dementia in patients with amyloid-negative amnestic mild cognitive impairment

H.J. Kim 1, E.N. Cheong 2, S. Jo 1, S. Lee 1, W.H. Shim 3, J.H. Lee 1

1Department Of Neurology, Asan Medical Center, University Of Ulsan College Of Medicine - Songpa-Gu, Seoul (Korea, Republic of), 2Department Of Medical Science And Asan Medical Institute Of Convergence Science And Technology, Asan Medical Center, University Of Ulsan College Of Medicine - Songpa-Gu, Seoul (Korea, Republic of), 3Health Innovation Big Data Center, Asan Institute For Life Sciences, Department Of Radiology And Research Institute Of Radiology, Asan Medical Center, University Of Ulsan College Of Medicine - Songpa-Gu, Seoul (Korea, Republic of)

P34 Prognosis of mild cognitive impairment of uncertain etiology: Assessment and analysis of concordant cases from the IDEAS study

D. Weidman 1, V. Ghisays 1, H. Protas 1, Y. Chen 1, V. Devadas 1, G. Sidarous 1, Y. Su 1

Banner Alzheimer's Institute - Phoenix (United States)

P35 The effect of cerebral amyloid angiopathy on regional cortical atrophy, independent of cortical amyloid pathology

S. Jo 1, E.N. Cheong 1, H.J. Kim 1, S.J. Lee 1, J.H. Lee 1

Asan Medical Center - Seoul (Korea, Republic of)

POSTER PRESENTATIONS

P37 Effect of multidomain interventions on brain functional connectivity of elderly people with spontaneous memory complaint

L. Perus 1, 2, 3, E. Le Bars 4, J. Deverdun 5, J.F. Mangin 6, A. Gabelle 1

1Memory Resources and Research Center, Montpellier University Hospital, 34 295 Montpellier and Inserm U1061 and University Of Montpellier I-Site Muse - Montpellier (France), 2Institut d'Imagerie Fonctionnelle Humaine, I2FH, Montpellier University Hospital, Montpellier, France. - Montpellier (France), 3Neurospin, CEA, Gif-sur-Yvette, France - Saclay (France), 4Institut D'imagerie Fonctionnelle Humaine, I2fh, Neuroradiology Department, Montpellier University Hospital, Montpellier, France. - Montpellier (France), 5Institut D'imagerie Fonctionnelle Humaine, I2fh, Montpellier University Hospital, Montpellier, France. - Montpellier (France), 6Neurospin, CEA - Gif-Sur-Yvette (France)

LP05 Regional Retinal Amyloid Imaging in a Cohort of Patients with Mild Cognitive Impairment

M. Koronyo-Hamaoui 1, 2, T. Torbati 1, 3, J. Sheyn 1, P.D. Lyden 4, A. Sherzai 5, D. Sherzai 5, D. Sherman 6, S. Frautschy 7, 8, A.D. Czeszynski 9, S. Verdooner 9, K.L. Black 1, Y. Koronyo 1, O. Dumitrascu 4

1Department Of Neurosurgery, Maxine Dunitz Neurosurgical Institute, Cedars-Sinai Medical Center- Los Angeles (United States), 2Department of Biomedical Sciences, Cedars-Sinai Medical Center- Los Angeles (United States), 3Western University Of Health Sciences, College Of Osteopathic Medicine Of The Pacific- Pomona (United States), 4Department Of Neurology, Cedars-Sinai Medical Center- Los Angeles (United States), 5Department Of Neurology, Loma Linda University- Loma Linda (United States), 6Department Of Neuropsychology, Cedars-Sinai Medical Center- Los Angeles (United States), 7Department Of Neurology, University Of California, Los Angeles - Los Angeles (United States), 8Geriatric Research Education and Clinical Center, Veterans Administration- Los Angeles (United States), 9Neurovision Imaging Inc.- Sacramento (United States)

LP06 The effects of home-based, robot cognitive intervention on the functional brain network in patients with mild cognitive impairment

G.H. Kim 1, B.R. Kim 1, K. Yoo 2, M.Y. Chun 1, K.D. Park 1, J. Jee Hyang 3

1Ewha Womans University Mokdong Hospital - Seoul (Korea, Republic of), 2Department Of Psychology Yale University - New Haven, Ct (United States), 3Ewha Womans University Seoul Hospital - Seoul (Korea, Republic of)

LP07 Update on Ideas and New Ideas Studies

G.D. Rabinovici 1, 2, C. Gatsonis 3, C. Apgar 4, P. Dilworth-Anderson 5, I. Gareen 6, L. Hanna 6, C.V. Hill 7, B.E. Hillner 8, S. Hoover 9, A. March 4, S. O'bryant 10, R.A. Rissman 11, M. Rodriguez 12, K.S. Smith 13, Y. Song 14, R.A. Whitmer 15, C.H. Wilkins 16, C. Windon 13, B.A. Siegel 17, M.C. Carrillo 7

1Depts. Of Neurology, Ucsf - San Francisco (United States), 2Department Of Radiology & Biomedical Imaging, , University Of California San Francisco - San Francisco (United States), 3Dept Of Biostatistics And Center For Statistical Sciences, Brown University - Providence (United States), 4American College Of Radiology - Philadelphia (United States), 5Gillings School Of Global Public Health & Center For Health Equity Research, University Of North Carolina-Chapel Hill - Chapel Hill (United States), 6Center For Statistical Sciences & Department Of Epidemiology, Brown University School Of Public Health - Providence (United States), 7Alzheimer's Association - Chicago (United States), 8Department Of Medicine, Virginia Commonwealth University - Richmond (United States), 9Center For Health Equity Research, University Of North Carolina-Chapel Hill - Chapel Hill (United States), 10Institute For Translational Research, University Of North Texas Health Science Center - Philadelphia (United States), 11Department Of Neurosciences, Ucsd & Alzheimer's Therapeutic Research Institute, Usc - San Diego (United States), 12Department Of Medicine, Vanderbilt University School Of Medicine - Nashville (United States), 13Dept. Of Neurology, Ucsf - San Francisco (United States), 14Center For Statistical Science, Brown University School Of Public Health - Providence (United States), 15Department Of Public Health Sciences, Uc Davis - Davis (United States), 16Department Of Medicine, Vanderbilt University School Of Medicine & Department Of Medicine, Meharry Medical College - Nashville (United States), 17Dept. Of Radiology, Washington University - St. Louis (United States)

THEME 4
Clinical trials: biomarkers including plasma

P40 Bio-Hermes: A Biomarker Study Initiated By The Global Alzheimer's Platform Foundation® To Compare Select Digital and Blood-Based Biomarkers With Clinical Diagnosis and Amyloid-β PET Images

J. Dwyer 1, S. Walsh 1, D. Beauregard 1, E. Gorman 1, J. Bork 1, K. Smith 1, S. Hollingshead 1, R. Mohs 1

Global Alzheimer's Platform Foundation - Washington (United States)

P41 Down Syndrome Associated Alzheimer's Disease: Early Data from the Longitudinal Investigation for Enhancing Down Syndrome Research (LIFE-DSR) Study

J. Hendrix 1, H. Hillerstrom 1, D. Airey 2, A. Britton 1, R. Chavez 3, J. Dage 2, K. Faber 4, T. Foroud 4, D. Ladesma 3, C. Revta 3, K. Schafer 3, K. Wilmes 4, J. Zimmer 2, H. Feldman 3, W. Mobley 5

1Lumind Idsc - Burlington (United States), 2Eli Lilly And Co. - Indianapolis (United States), 3Department of Neurosciences, Alzheimer's Disease Cooperative Study, University of California San Diego - San Diego (United States), 4National Centralized Repository for Alzheimer's Disease and Related Dementias (NCRAD), Indiana University School of Medicine - Indianapolis (United States), 5Department of Neurosciences, University of California, San Diego - San Diego (United States)

P42 Studies on the Practical Performance of a Plasma Amyloid β Measurement System by Immunoprecipitation Combined with MALDI-TOF Mass Spectrometry

N. Kaneko 1, Y. Hioki 1, 2, R. Yoda 1, A. Korenaga 1, Y. Ohashi 3, M. Honda 3, S. Sekiya 1, S. Iwamoto 1, K. Tsujino 3, K. Tanaka 1

1Koichi Tanaka Mass Spectrometry Research Laboratory, Shimadzu Corporation - Kyoto (Japan), 2Shimadzu Scientific Instruments - Frederick, Md (United States), 3Shimadzu Techno-Research - Kyoto (Japan)

P43 Identification of ADAMTS4 as an Amyloid Precursor Protein Cleaving Enzyme at 669 Site in APP669-711 Production Pathway

T. Tomita 1, M. Matsuzaki 1, N. Kaneko 2, M. Yokoyama 1, Y. Yoshizawa 1, Y. Hioki 2, 3, S. Iwamoto 2, K. Tanaka 2

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P44 Identification of prognostic protein biomarkers for cognitive dysfunction in the Origin trial

S. Hess 1
Sanofi - Frankfurt (Germany)

P45 Deep Proteomic Profiling of AD CSF for Unbiased Biomarker Discovery and Subject Stratification

Y. Feng 1, R. Bruderer 1, D. Heinzmann 1, L. Reiter 1
Biognosys - Schlieren (Switzerland)

P46 Antibody free, Mass Spectrometric procedure for the determination of Aβ40 and Aβ42 in human plasma

L. Sarasa 1, P. Pesini 1, M. Sarasa 1, J.A. Allué 1
Araclon Biotech - Zaragoza (Spain)

P47 Cholesterol and triglyceride levels in Alzheimer's disease patients undergoing therapeutic plasma exchange with albumin replacement

A.M. Ortiz 1, C. Minguet 1, L. Nuñez 1, A. Ruiz 2, 3, O.L. Lopez 4, M. Boada 2, 3, A. Páez 1, M. Costa 1
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P48 PK/PD model of the effects of the anti-Sortilin antibody ALO01 in humans

M. Ward 1, R. Paul 1, F. Yeh 1, H. Long 1, O. Siddiqui 1, M. Hagey 1, I. Siah 1, T. Schwabe 1, S. Kathman 2, C. Hines 2
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P49 Platelet-miRNAs as biomarkers for dementia with Lewy bodies

A. Gamez-Valero 1, D. Vilas 2, L. Ispierto 2, F. Borras 1, R. Alvarez 1, K. Beyer 1
1Research Institute Germans Trias I Pujol (Spain), 2University Hospital Germans Trias I Pujol (Spain)

P50 Elecsys CSF assays accurately distinguish AD from frontotemporal lobar degeneration

M. Ortner 1, O. Goldhardt 1, J.P. Weinberger 2, F. Müller-Sarnowski 1, J. Diehl-Schmid 1, H. Förstl 1, I. Yakushev 3, T. Grimmer 1
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P51 Using cortical diffusivity analysis to predict progression in early Alzheimer's Disease

M. Torso 1, I. Hardingham 1, M. Jenkinson 2, S. Chance 1
1Oxford Brain Diagnostics - Oxford (United Kingdom), 2University of Oxford - Oxford (United Kingdom)

P52 Level of neurodegeneration-inducing memory CD8 T cells predicts Alzheimer's disease and Alzheimer's-related MCI, and correlates with cognitive decline in banked blood samples from multiple cohorts

C. Wheeler 1, D. Van Dam 2, Y. Vermeiren 2, H. De Reu 2, V. Van Tendeloo 2, P.P. De Deyn 3, K. Trujillo 1
1T-Neuro Pharma, Inc. - Albuquerque (United States), 2University of Antwerp - Antwerp (Belgium), 3University of Antwerp, University Center Groningen - Groningen (Netherlands)

P53 Transcranial Electromagnetic Treatment (TEMT) Normalizes Plasma Cytokine Levels in Alzheimer's Patients: Both Immediate and Long-term Immunoregulation

H. Abulaban 1, R. Baranowski 2, X. Lin 3, E. Goodwin 4, B. Gordon 4, A. Gary 4, C. Cao 3
1Axiom Clinical Research of Florida - Tampa (United States), 2Left Coast Engineering - Escondido (United States), 3University of South Florida Taneja College of Pharmacy - Tampa (United States), 4Neuroem Therapeutics, Inc - Phoenix (United States)

LP08 The analytical assessment of three research Simoa assays for plasma measurement of phosphorylated tau (pT181, pT217, pT231)

Jeroen Vanbrabant (1), Erik Stoops (1), Kaj Blennow (2,3), Eugeen Vanmechelen (1)
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LP09 Blood-based Detection of Early-stage Alzheimer's Using Multiomics and Machine Learning

B. Souchet 1, A. Michaïl 1, B. Billoir 1, F. Mouton-Ligier 2, 3, 4, J. Fortea 5, 6, 7, A. Lleo 6, 7, C. Paquet 2, 3, 4, J. Braudeau 1
1Agent - Paris (France), 2Universite De Paris - Paris (France), 3Centre de Neurologie Cognitive Hopital LARIBOISIÈRE Paris APHP - Paris (France), 4INSERM U1144 - Paris (France), 5Barcelona Down Medical Center, Fundació Catalana De Síndrome De Down - Barcelona (Spain), 6Sant Pau Memory Unit, Department of Neurology, Hospital de la Santa Creu i Sant Pau, Biomedical Research Institute Sant Pau, Universitat Autònoma de Barcelona - Barcelona (Spain), 7Center of Biomedical Investigation Network for Neurodegenerative Diseases - Madrid (Spain)

LP10 Plasma Aβ ratio measured on a fully automated immunoassay predicts amyloid positivity defined by amyloid PET centiloid

K. Yamashita 1, S. Watanabe 1, K. Matsumoto 1, M. Miura 1, T. Iino 1, T. Watanabe 2, S. Iwanaga 1, D. Verbel 3, M. Kanekiyo 3, S. Dhadda 3, M. Ino 4, A. Koyama 3, T. Yoshida 1
1Sysmex Corporation - Kobe (Japan), 2Sysmex R&d Center Americas, Inc. - Mundelein (United States), 3Eisai Inc. - Woodcliff Lake (United States), 4Eisai Co., Ltd. - Tsukuba (Japan)

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LP11 **Biomarkers of response to nabilone in agitated patients with moderate-to-severe Alzheimer's disease patients**
M. Ruthirakuhan 1, N. Herrmann 1, A.C. Andreazza 2, N.P.L.G. Verhoeff 3, D. Gallagher 1, S.E. Black 1, K.L. Lanctot 1
1Sunnybrook Research Institute - Toronto (Canada), 2University Of Toronto - Toronto (Canada), 3Baycrest Health Sciences - Toronto (Canada)

LP12 **Pre-Analytical Effects of Cap Contact, Temperature, and Mixing on CSF Aβ1–42 Concentrations when Measured on an Automated Chemiluminescent Platform**
J. Darrow 1, R. Esquivel 2, S. Gannon 2, A. Calabro 2, J. Lantham 2, A. Orusakwe 2, N. Benina 2, A. Rao 1, S. Gulyani 1, K. Khingelova 1, K. Bandeen-Roche 1, M. Albert 1, A. Kapoor 1, A. Moghekar 1
1Johns Hopkins - Baltimore (United States), 2Fujirebio Diagnostics, Inc. - Malvern (United States)

THEME 5
Clinical trials: cognitive and functional endpoints

P54 **The effect of multi-tasking exercise intervention on cognitive function in elderly and cognitive impairment patients: a pilot multicenter study**
K.W. Park 1, H.J. Lee 2, H. Park 3
1Dong-A University College of Medicine - Busan (Korea, Republic of), 2Busan Metropolitan Dementia Center - Busan (Korea, Republic of), 3Dong-A University - Busan (Korea, Republic of)

P56 **Exercise and carbohydrate-restricted diet associates with improved insulin resistance and cognitive performance**
M.B. Heston 1, 2, J.M. Gaitan 1, Y. Ma 1, B. Derynda 3, S. Lose 1, M.P. Kozuch 1, 4, O.C. Okonkwo 1, K.A. Gretebeck 5, 6, R.J. Gretebeck 5, 7, B.B. Bendlin 1
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P57 **Real-time capture of gait and actigraphy using industry-grade wearable devices in older adults with and without subjective cognitive decline: Preliminary compliance, sensitivity, and correlations with cognition**
A. Atkins 1, W. Horan 1, M. Kraus 1, J. Linthicum 1, R. Keefe 1
Verasci - Durham, NC (United States)

THEME 6
Cognitive assessment and clinical trials

P58 **Using speech measures as prognostic markers of rapid cognitive decline: Applications to clinical trial enrichment**
K. Mueller 1, R. Koscik 1, S. Hahn 2, G. Stegmann 2, J. Liss 2, V. Berisha 2
1University of Wisconsin-Madison – Madison, WI (United States), 2Arizona State University – Tempe, AZ (United States)

P59 **Generation of an optimized neuropsychological feature set for the quick screening of mild cognitive impairment in clinical settings**
M.J. Kleiman 1, J. Galvin 1
University of Miami Miller School Of Medicine - Miami, FL (United States)

P60 **Congruence of clinical assessment instruments with online narratives over social media by patients with Alzheimer's disease and caregivers**
A. Tahami 1, Y. Stern 2, S. Doogan 3, Q. Zhang 1
1Eisai, Inc. - Woodcliff Lake (United States), 2Columbia University - New York (United States), 3Real Life Sciences, Inc. - New York (United States)

P61 **Remote assessment of speech and language changes in Primary Progressive Aphasia (PPA) and behavioral variant FTD**
J. Robin 1, M. Xu 1, L. Kaufman 1, M. Hagey 2, R. Paul 2, O. Siddiqui 2, M. Ward 2, W. Simpson 1, 3
1Winterlight Labs - Toronto (Canada), 2Alector, Inc. - South San Francisco, CA (United States), 3McMaster University - Hamilton (Canada)

P63 **Cognitive Profiles of Common Neurological Co-morbidities: A Review of Systematic Reviews**
C. Ganzer 1, A. Seifan 2
1Hunter College School of Nursing - New York, NY (United States), 2The Neuro Well Free Corporation - Miami Beach, FL (United States)

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P64 Insulin resistance and longitudinal cognition in middle-aged and older adults

G. Ennis 1, E. Jonaitis 1, R. Koscik 1, L. Clark 1, S. Bouges 1, T. James 1, N. Chin 1, C. Engelman 1, R. Anderson 1, S. Asthana 1, S. Johnson 1, B. Bendlin 1
University of Wisconsin-Madison – Madison, WI (United States)

P65 Polygenic Risk for Alzheimer's Disease Predicts MMSE Decline in Amyloid Positive Older Adults

A. Moore 1, J. Cara 1, L. Schneider 2, A. Torkamani 3, C. Cruchaga 4, J. Collens 1
1Vivid Genomics - San Diego, CA (United States), 2Departments Of Neurology, Psychiatry and Behavioral Sciences, Keck School Of Medicine, University Of Southern California - Los Angeles, CA (United States), 3Scripps Research Translational Institute - La Jolla, CA (United States), 4Knight Alzheimer's Disease Research Center, Washington University School Of Medicine - St. Louis, MI (United States)

P66 Toward Discriminating Alzheimer's Disease from Other Dementing Disorders with Modeled Cognitive Processes

J.R. Bock 1, M.D. Lee 2, W.R. Shankle 1, 2, 3, J. Hara 1, 3, D. Fortier 1, T. Mangrola 1
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P67 Clinical correlates of types of memory complaints in subjective cognitive decline and amnestic mild cognitive impairment

S.Y. Ryu 1, S.B. Lee 1, T.J. Lee 1, Y.J. Jung 1
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LP13 Predictive model incorporating polygenic risk score for Alzheimer's Disease predicts MMSE decline in APOE4 carriers and noncarriers

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THEME 8
Health economics and clinical trials

P69 Mortality Risk and Use of Long-Term Custodial Care for Patients With Dementia and Psychosis Versus Patients With Dementia Only: A Longitudinal, Matched Cohort Analysis of Medicare Claims Data

N. Rashid 1, J. Wetmore 2, 3, M. Irfan 4, V. Abler 1
1 ACADIA Pharmaceuticals, Inc. - San Diego, CA (United States), 2 Chronic Disease Research Group – Minneapolis, MN (United States), 3 Hennepin County Medical Center – Minneapolis, MN (United States), 4 University Of Minnesota And Veterans Affairs Medical Center – Minneapolis, MN (United States)

P70 Estimating progression rates across the spectrum of Alzheimer's disease for amyloid positive individuals using National Alzheimer's Coordinating Center data

M. Potashman 1, M. Buessing 2, M. Levitchi Benea 1, J. Cummings 3, 4, S. Borson 5, P. Pemberton Ross 6, A.J. Epstein 2
1 Biogen – Cambridge, MA (United States), 2 Medicus Economics – Boston, MA (United States), 3 Chambers-Grundy Center For Transformative Neuroscience Unlv - Las Vegas, NV(United States), 4 Cleveland Clinic Lou Ruvo Center for Brain Health - Las Vegas, NV(United States), 5 University Of Washington – Seattle, WA (United States), 6 Biogen - Baar (Switzerland)

P71 Comparative efficacy, safety, tolerability, and effectiveness of antipsychotics in the treatment of dementia related psychosis (DRP): A systematic literature review

I. Yunusa 1, N. Rashid 2, S. Chaugule 1, V. Abler 2, K. Rajagopalan 1
1 An-L-It-Iks, Inc – Boston, MA (United States), 2 Acadia Pharmaceuticals, Inc - San Diego, CA (United States)

P72 Caregiver perspectives on the burden and impact of agitation in caring for loved ones with Dementia/Alzheimer's disease: A collaboration with UsAgainstAlzheimer's A-LIST®

M. Sanon Aigbogun 1, M. Cloutier 2, E. Serra 2, T. Frangiosa 3, V. Biggar 3, R. Baker 1, M. Michael 4, H. Gandhi 1, M. Gauthier-Loiselle 2
1 Otsuka Pharmaceutical Development & Commercialization, Inc. – Princeton, NJ (United States), 2 Analysis Group, Inc. - Montreal (Canada), 3 Usagainst Alzheimer's – Washington, DC (United States), 4 Otsuka America Pharmaceutical, Inc. – Princeton, NJ (United States)

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THEME 9
Epidemiology and clinical trials

P74 **Comparing Alzheimer's disease (AD) progression in Alzheimer's Disease Neuroimaging Initiative (ADNI) subjects with mild cognitive impairment (MCI) to progression observed in the SCarlet RoAD clinical trial**

S. Yiu 1, F. Model 2, L. Butler 2, C. Gower-Page 1, X. Teitsma 2, P. Delmar 2

1 Roche Products Limited - Welwyn Garden City (United Kingdom), 2 F. Hoffmann-La Roche Ltd - Basel (Switzerland)

LP14 **Alzheimer's Association International Cohort Study of Chronic Neuropsychiatric Sequelae of SARS-Cov-2 (CNS-SARS-CoV-2)**

G. De Erausquin 1, H.M. Snyder 2, M.C. Carrillo 2, A. Hosseini 3, T.S. Brugha 3, S. Seshadri 4, A.A. Cns Sars-Cov-2 Consortium 5

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THEME 11
New therapies and clinical trials

P75 **Impact of pimavanserin treatment on motor function in patients with neurodegenerative disease: results from 3 clinical studies**

D. Weintraub 1, E.P. Foff 2, C. Ballard 3, B. Mcevoy 2, B. Coate 2, G. Demos 2, A. Berrio 2, B. Abbs 2, J.M. Youakim 2, S. Stankovic 2

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P76 **A phase 2a, open-label multicenter study to evaluate the safety and tolerability of repeated intrathecal administration of NurOwn® (autologous mesenchymal stem cells secreting neurotrophic factors (in patients with prodromal to mild Alzheimer's Disease**

B. Dubois 1, R. Kern 2, S. Ward 2, S. Lindborg 2, C. Lebovits 2, P. Scheltens 3

1Salpétrière University Hospital - Paris (France), 2Brainstorm Cell Therapeutics - New York (United States), 3Amsterdam Umc - Amsterdam (Netherlands)

P77 **The epigenetic BET protein inhibitor apabetalone counters brain endothelial activation and monocyte adhesion**

E. Kulikowski 1, S. Wasiak 1, L. Fu 1, E. Daze 1, D. Gilham 1, B. Rakai 1, S. Stotz 1, L. Tsujikawa 1, C. Sarsons 1, D. Studer 2, K. Rinker 2, R. Jahagirdar 1, N. Wong 1, M. Sweeney 1, J. Johansson 1

1 Resverlogix Corp - Calgary (Canada), 2 University Of Calgary - Calgary (Canada)

P78 **ACD856, a novel cognitive enhancer targeting neurotrophin signaling for the treatment of Alzheimer's Disease**

P. Forsell 1, G. Nordvall 1, M. Halldin 1, M. Dahlström 1, N. Madjid 1, M. Rother 1, A. Van Es Johansson 1, J. Lundkvist 1, M. Eriksdotter 2, 3, M. Jönsson 1, B. Winblad 2, 3, J. Sandin 1

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P79 **Therapeutic efficacy of a small molecule inhibitor targeting tau self-association in mouse models of tauopathy**

J. Moe 1, P. Lopez 1, H. Jimenez-Bravar 2, L. Adrien 2, J. Eun 2, A. Wolin 2, J. Koppel 2, P. Davies 2, E. Davidowitz 1

1Oligomerix, Inc. - White Plains (United States), 2The Litwin-Zucker Research Center For The Study Of Alzheimer's Disease, The Feinstein Institute For Medical Research, Northwell Health - Manhasset (United States)

P80 **Development of a Dual Aβ-Tau Vaccine for the Prevention and Treatment of Alzheimer's Disease**

R. Barbour 1, F. Bard 1, A. Elmaarouf 1, H. Prill 1, K. Thomas 1, G. Kinney 1, W. Zago 1

Prothena Biosciences Inc - South San Francisco, CA (United States)

P81 **Novel Amyloid Beta Monoclonal Antibodies with Superior Binding Properties: Potential for More Convenient Dosing and Greater Patient Access in Alzheimer's Disease**

M. Skov 1, R. Barbour 1, P. Dolan 1, A. Elmaarouf 1, E. Goldbach 1, M. Holden 1, L. Li 1, T. Nijjar 1, H. Prill 1, J. Salmans 1, K. Thomas 1, S. Tam 1, C. Tourino 1, F. Bard 1, G. Kinney 1, Z. Wagner 1

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P82 **Gamma-secretase modulators show selectivity for gamma-secretase-mediated amyloid precursor protein intramembrane processing**

J. Lundkvist 1, 2, T. Weber 3, 2, J. Wanngren 2, H. Kvartsberg 4, 5, P. Larssen 2, 6, D. Wu 2, 7, D. Oliveira 2, J. Sandin 1, 2, H. Zetterberg 4, 5, 8, K. Blennow 4, 5, G. Nordvall 1, 2, B. Winblad 2, E. Portelius 4, 5, H. Karlström 2

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POSTER PRESENTATIONS

P83 Predicting Response to Virtual Reality Therapy for Treatment of BPSD in Acute-care Settings

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1 York University - Toronto (Canada), 2 University Of Toronto - Toronto (Canada), 3 Uhn - Toronto (Canada)

P84 Administering Virtual Reality Therapy to Manage Behavioural and Psychological Symptoms in Patients with Dementia Admitted to an Acute-care Hospital: Results of a Pilot Study

L. Appel 1, E. Kisonas 2, E. Appel 2, D. Bartlett 3, J. Klein 1, J. Rosenberg 4, C. Smith 4
1 York University - Toronto (Canada), 2 Uhn - Toronto (Canada), 3 York U - Toronto (Canada), 4 Mgh - Toronto (Canada)

P85 Introducing Virtual Reality therapy for inpatients with dementia admitted to an acute-care hospital: Learnings from a pilot to pave the way to a randomized controlled trial

L. Appel 1, E. Kisonas 2, E. Appel 2, J. Klein 3, D. Bartlett 3, J. Rosenberg 4, C. Smith 4
1 York University - Toronto (Canada), 2 Uhn - Toronto (Canada), 3 York U - Toronto (Canada), 4 Mgh - Toronto (Canada)

P86 Non-invasive gamma sensory stimulation for the treatment of Alzheimer's disease: interim safety and feasibility from multiple prospective clinical studies evaluating long-term, home use

Z. Malchano 1, E. Hempel 1, A. Boasso 1, N. Myrthil 1, K. Martin 1, N. Strozewski 1, T. Travers 1, K. Kwan 1, C. Cotter 1, M. Williams 1, A. Cimenser 1, M. Hajos 1
Cognito Therapeutics – Cambridge, MA (United States)

THEME 12
Proof of concept/translational research in AD

P88 Regular Running can Prevent AD by Enhancing Hippocampal Proliferation

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P89 Effects of THN201, a combination of donepezil and low dose mefloquine, on cognition and quantitative EEG in healthy subjects during a scopolamine challenge

T. Dondaine 1, D. Deplanque 1, O. Blin 2, C. Cracowski 3, P.O. Girodet 4, G. Pickering 5, C. Thalamas 6, F. Mouthon 7, M. Charvériat 7, W. Rein 7, R. Bordet 1
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P90 Reduced non-fibrillar Aβ species in a patient treated with low doses of BACE1 inhibitor

M. Querol-Vilaseca 1, 2, S. Sirisi 1, 2, L. Molina-Porcel 3, 4, B. Molina 1, 2, J. Pegueroles 1, 2, P. Ferrer-Raventós 1, 2, R. Nuñez-Llaves 1, 2, R. Blesa 1, 2, O. Belbin 1, 2, J. Fortea 1, 2, R. Sánchez-Valle 3, 4, A. Lleó 1, 2
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P91 Independent validation of EuroPOND Alzheimer's disease staging model on real-world clinical data

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P93 Quantitative Systems Pharmacology model of tau spreading in AD to enable the development of anti-tau therapies

L. Wille 1, J. Grant 1, S. Iadevaia 2, H. Abdul 1, K. Madrasi 1, A. Simen 2, A.J. Schwarz 2, M. Quinton 2, H. Faessel 2, F. Hua 1, J. Apgar 1, J. Burke 1, M. Vakilynajad 2
1Applied Biomath – Concord, MA (United States), 2Takeda – Cambridge, MA (United States)

P94 Investigating the Global Proteomic Impact and Translational Implications of Tolfenamic Acid Treatment

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1Department of Biomedical and Pharmaceutical Sciences, University of Rhode Island – Kingston, RI (United States), 2Interdisciplinary Neuroscience Program, University of Rhode Island, - Kingston, RI (United States), 3George and Anne Ryan Institute for Neuroscience, University of Rhode Island – Kingston, RI (United States)

POSTER PRESENTATIONS

P95 The lack of c-Abl improves behavioral performance in an animal model of Alzheimer's disease

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LP16 Peripheral inflammation, cognitive impairment and AD-related hippocampal neurodegeneration in prodromal AD patients

M. Marizzoni 1, C. Chevalier 2, N. Lopizzo 1, D. Albani 3, G. Forloni 3, J. Jovicich 4, A. Cattaneo 1, G. Frisoni 2
1Irccs Istituto Centro San Giovanni Di Dio Fatebenefratelli - Brescia (Italy), 2University Hospitals And University Of Geneva - Geneva (Switzerland), 3Irccs Istituto Di Ricerche Farmacologiche "mario Negri" - Milano (Italy), 4Center For Mind/brain Sciences - Trento (Italy)

LP17 CS6253 ABCA1 agonist treatment in cynomolgus monkeys reduces cerebrospinal fluid concentrations of Aβ42, Aβ40, APP and AP2B1 in dose-response manner

J.O. Johansson 1, H.N. Yassine 2, D.M. Michaelson 3, J.E.G. Johansson 4, H. Zetterberg 5, B. Winblad 6, J.L. Cummings 7
1Artery Therapeutics, Inc. - San Ramon, Ca (United States), 2Usc - Los Angeles (United States), 3Tel Aviv University - Tel Aviv (Israel), 4Artery Therapeutics, Inc. - San Ramon (United States), 5U Of Gothenburg - Gothenburg (Sweden), 6Karolinska Institutet - Stockholm (Sweden), 7Unlv - Las Vegas (United States)

THEME 13
Digital health/E-trials

P96 Evaluation of speech-based digital biomarkers for Alzheimer's disease

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P97 Developing and assessing a digitally supported care management programme for caregivers of people with dementia: A cluster-randomised controlled trial (GAIN)

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P98 Validating virtual tools for remote sampling of neurological function: comparing task-driven EEG in the lab and in the home

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P99 Measurement of Alzheimer's Disease symptomatology using remote smartphone-based assessment of visual and auditory behavior

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P100 Automated administration of Serial Subtraction in a remote data collection context: novel timing features related to task difficulty and participant demographics

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LP18 Feasibility, acceptability and effects on clinical outcomes of a web-based multidomain lifestyle intervention in older adults: the eMIND randomized controlled trial

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THEME 14
Telemedicine and AD clinical trials

P101 Reinventing Alzheimer's Disease Prescreening: The Global Alzheimer's Platform Foundation® (GAP) Remote Recruitment and Prescreening Program

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