CTaD 2021

Alzheimer

Clinical Trials on Alzheimer's Disease

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November 9-12, 2021
Boston, USA

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JPAD
The Journal of Prevention of Alzheimer's Disease

SUMMARY

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CTAD 2021 Lifetime Achievement Award

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

Ronald C. Petersen, MD, PhD - Professor of Neurology and Director of the Mayo Alzheimer's Disease Research Center, Mayo Clinic, Rochester, MN (USA).

Dr. Ronald C. Petersen received a Ph.D. from the University of Minnesota and graduated from Mayo Medical School in 1980. He completed an internship in Medicine at Stanford University Medical Center and returned to the Mayo Clinic to complete a residency in Neurology. That was followed by a fellowship in Behavioral Neurology at Harvard University Medical School/Beth Israel Hospital in Boston, Massachusetts. Dr. Petersen was named the Cora Kanow Professor of Alzheimer's Disease Research and Mayo Clinic Distinguished Investigator in 2011. He is currently the Director of the Mayo Alzheimer's Disease Research Center and the Mayo Clinic Study of Aging and has authored over 1000 peer-reviewed articles on memory disorders, aging, and Alzheimer's disease. Dr. Petersen has received the 2004 MetLife Award for Medical Research in Alzheimer's Disease and the 2005 Potamkin Prize for Research in Picks, Alzheimer's and Related Disorders of the American Academy of Neurology. In 2012 he received the Khachaturian Award and the Henry Wisniewski Lifetime Achievement Award in 2013 from the Alzheimer's Association. In 2011 he was appointed by the Secretary of Health and Human Services to serve as the Chair of the Advisory Committee on Research, Care and Services for the National Alzheimer's Disease Plan.

Keynotes

"Anti-Tau Drug Development for Alzheimer's Disease and Other Tauopathies"
Adam Boxer, MD, PhD

Endowed Professor in Memory and Aging, University of California, San Francisco (UCSF), USA

Dr. Boxer directs UCSF's Neurosciences Clinical Research Unit and the Alzheimer's Disease and Frontotemporal Degeneration (FTD) Clinical Trials Program at the UCSF Memory and Aging Center. Dr. Boxer's research is focused on developing new treatments and biomarkers for neurodegenerative diseases, particularly those involving tau and TDP-43. Dr. Boxer received his medical and doctorate degrees as part of the NIH-funded Medical Scientist Training Program at New York University Medical Center. He completed an internship in Internal Medicine at California Pacific Medical Center, a residency in Neurology at Stanford University Medical Center, followed by a fellowship in behavioral neurology at UCSF. He is the principal investigator (PI) of the Advancing Research and Treatment for FTLD (ARTFL) Rare Disease Clinical Research Consortium, a collaborative project funded by the National Institutes of Health to create an 18-center North American research network to support the development of new therapies for FTLD. He also leads the Four Repeat Tauopathy Neuroimaging Initiative (4RTNI), a multicenter, longitudinal tau PET and biomarker study focused on PSP and CBD.

"Vascular Risk Factors and Alzheimer's Disease: Implications for Clinical Trials"
Cynthia Carlsson, MD, MS

Professor in Alzheimer's Disease, Division of Geriatrics and Gerontology, University of Wisconsin, Madison, WI (USA)

Dr. Carlsson is a geriatrician at the William S. Middleton Memorial Veterans Hospital in Madison, Wisconsin, where she treats veterans with dementia and memory issues. She is the Clinical Core leader and a co-leader for the Biomarker Core in the Wisconsin ADRC. She also serves as director of the Wisconsin Alzheimer's Institute. Dr. Carlsson's research focuses on the effects of vascular risk factors and their treatments on cognition and biomarkers for Alzheimer's disease in persons at risk for dementia. Vascular risk factors in midlife, such as high cholesterol and elevated blood pressure, have been associated with an increased risk of developing Alzheimer's disease decades later. It is unknown, however, whether treating vascular risk factors will reduce the risk of dementia.

"Biostatistics in Alzheimer's Disease Therapeutic Trials: A Future of Convergence"
Rema Raman, PhD

Professor of Neurology, Keck School of Medicine, University of Southern California and Director of Biostatistics at USC Alzheimer Therapeutic Research Institute, San Diego, CA (USA)

Rema Raman is a Professor of Neurology at the University of Southern California (USC) and the Director of Biostatistics at USC's Alzheimer's Therapeutic Research Institute. She also serves as the Biostatistics Unit lead and Recruitment Unit co-lead for the National Institute of Health funded Alzheimer Clinical Trials Consortium. Dr. Raman has extensive experience as a biostatistician and clinical trialist, providing biostatistics and data management leadership and support to the design, coordination, conduct and analyses of clinical trials in Alzheimer's disease, acute stroke, post-traumatic stress disorder, and traumatic brain injury. Her statistical research interests are in efficient clinical trial design and analysis, centralized statistical monitoring and data visualization, recruitment and retention and missing and longitudinal data analysis topics. Dr. Raman is committed to the effective teaching of biostatistics and clinical trial methodology and is the co-director of the National Institute on Aging and Alzheimer's Association funded Institute of Methods and Protocols for Advancement of Clinical Trials in ADRD (IMPACT-AD).

"Therapeutic Trials in Alzheimer's Disease: A New Hope for 2022?"
Ronald C. Petersen, MD, PhD

Professor of Neurology and Director of the Mayo Alzheimer's Disease Research Center, Mayo Clinic, Rochester, MN (USA)

Dr. Ronald C. Petersen received a Ph.D. from the University of Minnesota and graduated from Mayo Medical School in 1980. He completed an internship in Medicine at Stanford University Medical Center and returned to the Mayo Clinic to complete a residency in Neurology. That was followed by a fellowship in Behavioral Neurology at Harvard University Medical School/Beth Israel Hospital in Boston, Massachusetts. Dr. Petersen was named the Cora Kanow Professor of Alzheimer's Disease Research and Mayo Clinic Distinguished Investigator in 2011. He is currently the Director of the Mayo Alzheimer's Disease Research Center and the Mayo Clinic Study of Aging and has authored over 1000 peer-reviewed articles on memory disorders, aging, and Alzheimer's disease. Dr. Petersen has received the 2004 MetLife Award for Medical Research in Alzheimer's Disease and the 2005 Potamkin Prize for Research in Picks, Alzheimer's and Related Disorders of the American Academy of Neurology. In 2012 he received the Khachaturian Award and the Henry Wisniewski Lifetime Achievement Award in 2013 from the Alzheimer's Association. In 2011 he was appointed by the Secretary of Health and Human Services to serve as the Chair of the Advisory Committee on Research, Care and Services for the National Alzheimer's Disease Plan.

Program at a glance

Tuesday, NOVEMBER 9

1.00 p.m	REMOTE PRESENTATIONS projected in the ballroom & ON DEMAND from 1 a.m on the digital platform
4.00 p.m	PROGRAM ONSITE & LIVESTREAMED on the digital platform
4.00 p.m	Opening Ceremony and CTAD Lifetime Achievement Award
4.15 p.m	KEYNOTE 1: Therapeutic Trials in Alzheimer's Disease: A New Hope for 2022 ?
4.35 p.m	ROUNDTABLE: The FDA accelerated approval of aducanumab: a panel discussion
5.15 p.m	SYMPOSIUM 1: Recent advances in plasma biomarkers to improve preclinical and prodromal AD trials (abstract 67)

Wednesday, NOVEMBER 10

7.00 a.m	REMOTE PRESENTATIONS projected in the ballroom & ON DEMAND from 1 a.m on the digital platform
8.00 a.m	PROGRAM ONSITE & LIVESTREAMED on the digital platform
8.00 a.m	KEYNOTE 2: Anti-Tau Drug Development for AD and Other Tauopathies
8.20 a.m	ORAL COMMUNICATIONS
9.20 a.m	ROUNDTABLE: Digital Therapeutics for Mild Cognitive Impairment: New Pathway to Treatment
10.00 a.m	Coffee break and poster session
10.30 a.m	LATE BREAKING ORAL COMMUNICATIONS
11.00 a.m	ORAL COMMUNICATIONS
12.15 p.m	Lunch
1.15 p.m	SYMPOSIUM 2: TRAILBLAZER-ALZ: Three Clinical Trials of Donanemab in Early Alzheimer's Disease
1.55 p.m	ORAL COMMUNICATIONS
2.55 p.m	SYMPOSIUM 3: Bringing Repurposed Drugs to Market: Challenges and Opportunities from Research to Commercialization
3.35 p.m	Coffee break and poster session
4.05 p.m	LATE BREAKING ORAL COMMUNICATIONS
5.05 p.m	REMOTE PRESENTATIONS projected in the ballroom & ON DEMAND from 1 a.m on the digital platform

Thursday, NOVEMBER 11

7.00 a.m	REMOTE PRESENTATIONS projected in the ballroom & ON DEMAND from 1 a.m on the digital platform
8.00 a.m	PROGRAM ONSITE & LIVESTREAMED on the digital platform
8.00 a.m	KEYNOTE 3: Vascular Risk Factors and AD: Implications for Therapeutic Trials
8.20 a.m	ORAL COMMUNICATIONS
9.35 a.m	LATE BREAKING ORAL COMMUNICATIONS
10.35 a.m	Coffee break and poster session
11.00 a.m	LATE BREAKING ORAL COMMUNICATIONS
12.00 p.m	Lunch
1.00 p.m	ORAL COMMUNICATIONS
2.30 p.m	KEYNOTE 4: Biostatistics in Alzheimer's Disease Therapeutic Trials: A Future of Convergence
2.50 p.m	ORAL COMMUNICATIONS
3.35 p.m	Coffee break and poster session
4.00 p.m	ROUNDTABLE: Value-Generating Exploratory Trials in Neurodegenerative Dementias
4.30 p.m	REMOTE PRESENTATIONS projected in the ballroom & ON DEMAND from 1 a.m on the digital platform

Friday, NOVEMBER 12

7.20 a.m	PROGRAM ONSITE & LIVESTREAMED on the digital platform
8.00 a.m	ORAL COMMUNICATIONS
9.15 a.m	LATE BREAKING ORAL COMMUNICATIONS
10.15 a.m	Coffee break and poster session
10.45 a.m	SYMPOSIUM 4: Diversity in Alzheimer's Disease Clinical Trials
11.25 a.m	ORAL COMMUNICATIONS
12.25 p.m	Lunch break
1.30 p.m	ORAL COMMUNICATIONS
3.00 p.m	Statistic workshop: re-thinking trial outcomes

REMOTE PRESENTATIONS projected in the ballroom /ON DEMAND from 1 a.m on the digital platform

PROGRAM ONSITE & LIVESTREAMED on the digital platform

1.00 – 3:00 p.m

REMOTE SYMPOSIA projected in the ballroom & AVAILABLE ON DEMAND on the digital platform

RS1 Cannabinoids for neuropsychiatric symptoms of Alzheimer's: trial designs and outcomes
Chair: Paul Rosenberg, Johns Hopkins Hospital, Baltimore, MD (USA)

Nabilone for the treatment of agitation in Alzheimer's disease
Krista Lanctôt, *Sunnybrook Research Institute - Toronto (Canada)*

Assessing the efficacy and safety of synthetic THC (Dronabinol) for agitation and CBD for anxiety in Alzheimer's dementia
Brent Forester, *Mclean Hospital – Belmont, MA (USA)*

Life's end Benefits of CannaBidol and TetrahYdrocannabinol (LiBBY) Trial
Jacobo Mintzer, *Roper St. Francis Healthcare, Charleston, SC (USA)*

RS2 The Next Generation of Speech Biomarkers for the Early Detection of Alzheimer's Disease
Chair: Emil Fristed, Novoic - London (United Kingdom)

Validation of a novel fully automated story recall task for repeated remote high-frequency administration
Caroline Skirrow, *Novoic, Bristol (United Kingdom)*

How clinically informed deep learning can make better speech biomarkers
Jack Weston, *Novoic - London (United Kingdom)*

A harmonized speech dataset for Alzheimer's disease biomarker development: study design of the Diagnostics Accelerator Speech Consortium Study
Lampros Kourtis, *Tufts University Medical Center, Gates Ventures, Circadic – Boston, MA (USA)*

RS3 Back to the Future: Emerging Opportunities to Treat Basal Forebrain Cholinergic Neuron (BFCN) Dysfunction in Alzheimer's Disease (AD)
Chair: Marwan Sabbagh, Cleveland Clinic Lou Ruvo Center For Brain Health Las Vegas, NV, (USA)

The Contribution of BFCN Dysfunction and Degeneration to Disease Expression and Progression in AD
Ole Isacson, *Neuroregeneration Research Institute at Mclean Hospital - Belmont and Harvard Medical School - Boston, MA (USA)*

Mechanisms of, and Preclinical Results with Novel Approaches to Treating, BFCN Dysfunction and Degeneration
Ralph Nixon, *Center for Dementia Research, Nathan S. Kline Institute for Psychiatric Research - Orangeburg and NYU Langone Health - New York, NY (USA)*

Clinical Results with Novel Approaches that Reverse BFCN Dysfunction
John Alam, *EIP Pharma, Inc. – Boston, MA (USA)*

3.00 – 4:00 p.m

REMOTE COMMUNICATIONS projected in the ballroom & AVAILABLE ON DEMAND on the digital platform

ROC1 - Comparing remote versus in-clinic clinical outcome assessments in the Tauriel study of semorinemab in early AD: The COVID-19 experience
Paul Manser [1], Mira Blendstrup [1], Nia Sengupta [1], Karen Pickthorn [1], Enrique Gaspar [2], Winnie Leung [1], Mayumi Thompson [1], Edmond Teng [1], Rajesh Menon [1]
[1]*Genentech, Inc. - South San Francisco, CA (USA),* [2]*Medavante-Prophase – Hamilton, NJ (USA)*

REMOTE PRESENTATIONS   PROGRAM ONSITE

Tuesday, NOVEMBER 9

ROC2 - The utility of using version 3 of the Alzheimer's Disease Research Centers' neuropsychological test battery for prevention trials

Kwun Chuen Gary Chan [1], Hiroko H. Dodge [2], Lisa L. Barnes [3], Fan Xia [4], Walther A. Kukull [4], Andrew J. Saykin [5]

[1]University Of Washington-Seattle, WA (USA), [2]Oregon Health And Science University – Portland, OR (USA), [3]Rush University – Chicago, IL (USA), [4]University of Washington – Seattle, WA (United States), [5]Indiana University – Indianapolis, IN (USA)

ROC3 - Allopregnanolone as a Regenerative Therapeutic for Alzheimer's: Exploratory Phase 1 Neuroimaging MRI Outcomes

Adam C. Raikes [1], Dawn Matthews [2], Gerson Hernandez [1], Yonggang Shi [3], Meng Law [4], Lon Schneider [5], Roberta Brinton [1]

[1]Center For Innovation In Brain Science, University of Arizona – Tucson, AZ (USA), [2]ADM Diagnostics, Inc – Northbrook, IL (USA), [3]USC Stevens Neuroimaging and Informatics Institute, University of Southern California - Los Angeles, CA (USA), [4]Monash University - Melbourne (Australia), [5]Keck School Of Medicine of The University Of Southern California - Los Angeles, CA (USA)

ROC4 - Early detection of Alzheimer's disease with BrainSee, the FDA Breakthrough software medical device

Thomas Liebmann [1], Elham Khosravi [2], Pavan Krishnamurthy [3], Padideh Kamali-Zare [3], Kaveh Vejdani [3]

[1]Darmiyan, Inc. - Penzberg (Germany), [2]Darmiyan, Inc. - Berlin (Germany), [3]Darmiyan, Inc. - San Francisco, CA (USA)

PROGRAM ONSITE & LIVESTREAMED on the digital platform

4.00 p.m — **Opening Ceremony and CTAD Lifetime Achievement Award Alzheimer's Disease Therapeutic Research**
Presented to Ronald C. Petersen, MD, PhD, in recognition for his extensive contributions to the science and therapeutics of Alzheimer's Disease

Introduction by Paul Aisen, *Alzheimer's Therapeutic Research Institute, University of Southern California, San Diego, CA (USA),* Jacques Touchon, *Montpellier University, Montpellier (France),* Bruno Vellas, *Gerontopole, Toulouse University, Toulouse (France),* Mike Weiner, *UCSF, San Francisco, CA (USA)*

4.15 p.m — **KEYNOTE 1**
Therapeutic Trials in Alzheimer's Disease: A New Hope for 2022 ?
Ronald C. Petersen, *Mayo Alzheimer's Disease Research Center, Mayo Clinic, Rochester, MN (USA)*

4.35 p.m — **ROUNDTABLE**
The FDA accelerated approval of aducanumab: a panel discussion

5.15 p.m — **SYMPOSIUM 1**
Recent advances in plasma biomarkers to improve preclinical and prodromal AD trials (abstract 67)
Chair: Kaj Blennow, *University Of Gothenburg - Gothenburg (Sweden)*

Measuring Blood Based Biomarkers of Alzheimer's Disease for Clinical Trials
Jeffrey L. Dage, *Research Fellow; Eli Lilly and Company, Indianapolis, IN (USA)*

Blood plasma measures of Aβ, tau, and NfL species for screening and use in clinical trials of Alzheimer's disease
Randall J. Bateman, *Washington University School of Medicine, St. Louis, MO (USA)*

Diagnostic and prognostic algorithms based on blood biomarkers for use in clinical trials
Oskar Hansson, *Lund University, Lund (Sweden)*

Wednesday,
NOVEMBER 10

7.00 – 8:00 a.m	**REMOTE COMMUNICATIONS projected in the ballroom & AVAILABLE ON DEMAND on the digital platform**

ROC5 - Evaluating the contribution of image-derived features for predicting rate of cognitive decline in a large cohort (including 6 clinical trials; n=3,339) of early AD patients

Derrek Hibar [1], Balazs Toth [1], Christopher Galli [2], Tobias Bittner [2], Christina Rabe [1], David Clayton [1]

[1]Genentech - South San Francisco, CA (USA), [2]Roche - Basel (Switzerland)

ROC6 - Using a symmetric warpfield in a deep-learning framework for Jacobian integration to estimate brain atrophy

Marina Papoutsi [1,2], Bianca De Blasi [1], Richard Joules [1], Michael Reinwald [1], Robin Wolz [1,3]

[1]Ixico Plc - London (United Kingdom), [2]University College London - London (United Kingdom), [3]Imperial College London - London (United Kingdom)

ROC7 - Assessing 11β–HSD1 in vivo occupancy by Xanamem® using 11C-TARACT PET

Christopher C. Rowe [1], Victor L. Villemagne [2], Vincent Doré [3], Lee Chong [1], Rachel Mulligan [1], Svetlana Bozinovski [1], Rodney Guzman [1], Michael Kassiou [4], Jack Taylor [5], Tamara Miller [5]

[1]Austin Health - Melbourne (Australia), [2]University of Pittsburgh – Pittsburgh, OH (USA), [3]Csiro - Melbourne (Australia), [4]University Of Sydney - Sydney (Australia), [5]Actinogen Medical Ltd - Sydney (Australia)

ROC8 - Characteristics of subjects with discordant amyloid status between visual read and centiloid from the Phase 2 clinical study of Tilavonemab in early Alzheimer's disease

Eddie Stage [1], Dustin Wooten [1], Ziyi Jin [1], Charles Locke [1], Jacob Hesterman [2], John Seibyl [2], Hana Florian [1], Robert Comley [1], Qi Guo [1]

[1]Abbvie Inc. - North Chicago (United States), [2]Invicro - New Haven (United States)

LIVE PROGRAM ONSITE IN BOSTON

8.00 a.m	**KEYNOTE 2** Anti-Tau Drug Development for AD and Other Tauopathies Adam Boxer, *University of California at San Francisco, San Francisco, CA (USA)*
8.20 a.m	**ORAL COMMUNICATIONS**
REMOTE	**OC1 - T2 Protect AD: Results of a 48-Week Randomized Clinical Trial of Troriluzole in Mild-to-Moderate Alzheimer's Disease**

Howard Feldman [1], Qiu Yuqi [1], Karen Messer [1], Stephen Kaplita [2], Ronald Thomas [1], Branko Huisa-Garate [1], James Brewer [1], Lia Donahue [2], Vladimir Coric [2], Brianna Askew [1], Gregory Jicha [3], Christopher Van Dyck [4], Mark Brody [5], Jonathan Drake [6], Gabriel Leger [1], Anton Porsteinsson [7], Suzanne Hendrix [8], Diane Jacobs [1], David Salmon [1], Irfan Qureshi [2]

[1]University Of California San Diego - La Jolla, CA (USA), [2]Biohaven Pharmaceuticals - New Haven, CT (USA), [3]University Of Kentucky College of Medicine - Lexington (USA), [4]Yale University School of Medicine - New Haven, CT (USA), [5]Brain Matters Research - Delray Beach, FL (USA), [6]Alzheimer's Disease And Memory Disorders Center at Rhode Island Hospital – Providence, RI (USA), [7]University Of Rochester School Of Medicine And Dentistry – Rochester, MN (USA), [8]Pentara Corporation – Millcreek, UT (USA)

OC2 - ACI-35.030, a novel anti-phospho-Tau vaccine for the treatment of Alzheimer's Disease: Interim Phase 1b/2a data on safety, tolerability and immunogenicity

Johannes Streffer [1,2], Bénédicte Le [1], Olivier Sol [1], Marija Vukicevic [1], Emma Fiorini [1], Eva Gollwitzer [1], Valérie Hliva [1], Julien Mermoud [1], David Hickman [1], Julian Gray [1], Antonio Melo Dos Santos [1], Nicolas Piot [1], Julien Rongère [1], Andrea Pfeifer [1], Marie Kosco-Vilbois [1], Philip Scheltens [3]

[1]AC Immune - Lausanne (Switzerland), [2]Department of Biomedical Sciences, University of Antwerp - Antwerpen (Belgium), [3]VUMC - Amsterdam (Netherlands)

REMOTE PRESENTATIONS   PROGRAM ONSITE

LIVE PROGRAM ONSITE IN BOSTON

OC3 - Evoke and evoke+: two phase 3 trials investigating oral semaglutide in participants with early Alzheimer's disease

Philip Scheltens [1], Alireza Atri [2,3], Howard H. Feldman [4], Kristine Brown Frandsen [5], Stephen C.i. Gough [5], Peter Johannsen [5], Filip Krag Knop [6], Pernille Poulsen [5], Lars Lau Raket [5], Mary Sano [7], Hilkka Soininen [8], Jeffrey Cummings [9]

[1]Vu University Medical Center - Amsterdam (Netherlands), [2]Banner Sun Health Research Institute - Sun City, AZ (USA), [3]Brigham & Women's Hospital and Harvard Medical School – Boston, MA (USA), [4]Harvard Medical School, Harvard University, Boston, MA - University Of California, CA (USA), [5]Novo Nordisk A/S - Søborg (Denmark), [6]Herlev And Gentofte Hospital, University of Copenhagen - Copenhagen (Denmark), [7]Icahn School Of Medicine at Mount Sinai - New York, NY (USA), [8]University of Eastern Finland - Kuopio (Finland), [9]University Of Nevada - Las Vegas, NV (USA)

OC4 - Plasma GFAP is an early marker of Aβ but not tau pathology in Alzheimer's disease

Joana Pereira [1], Shorena Janelidze [2], Ruben Smith [2], Mattsson-Carlgren Niklas [2], Sebastian Palmqvist [2], Charlotte Teunissen [3], Henrik Zetterberg [4], Erik Stomrud [2], Nicholas Ashton [4], Kaj Blennow [4], Oskar Hansson [2]

[1]Ki, Lund University - Lund (Sweden), [2]Lund University - Lund (Sweden), [3]Amsterdam University Medical Centers - Amsterdam (Sweden), [4]Sahlgrenska University Hospital - Sahlgrenska University Hospital (Sweden)

9.20 a.m

ROUNDTABLE
Digital Therapeutics for Mild Cognitive Impairment: New Pathway to Treatment

Murali Doraiswamy [1], Jeffrey Shuren [2], Rhoda Au [3], Martin Dubuc [4]

[1]Duke University - Durham, NC (USA), [2]Food & Drug Administration - Silver Spring, MD (USA), [3]Boston University - Boston, MA (USA), [4]Biogen - Paris (France)

10.00 a.m Coffee break and poster session

10.30 a.m ## LATE BREAKING ORAL COMMUNICATIONS

11.00 a.m ## ORAL COMMUNICATIONS

OC5 - Phase 1 trial design for ACU193, a monoclonal antibody that selectively binds soluble Abeta oligomers

Eric Siemers [1], Janice Hitchcock [1], Karen Sundell [1], James Senetar [1], Robert Dean [1], Jasna Jerecic [2], Ericka Cline [2], Kent Iverson [2], Kathleen Powell [2], Jerry Moore [2], Deven Dandekar [2], Chris Edgar [3], Richard Manber [4], Niccolo Fuin [4], Russell Barton [1]

[1]Acumen Pharmaceuticals - Carmel (USA), [2]Acumen Pharmaceuticals - Charlottesville (USA), [3]Cogstate Ltd. - Melbourne (Australia), [4]Ixico Plc - London (United Kingdom)

OC6 - Senolytic Therapy to Modulate the Progression of Alzheimer's Disease (SToMP-AD): Methodology for a Randomized, Double-Blind, Placebo-Controlled Phase II Trial

Miranda E. Orr [1,2], Mitzi M. Gonzales [3], Valentina R. Garbarino [4], Eduardo M. Zilli [3], Ronald C. Peterson [5], James L. Kirkland [6], Tamara Tchkonia [6], Nicolas Musi [4,7], Sudha Seshadri [3,8], Suzanne Craft [1]

[1]Wake Forest School Of Medicine, Gerontology And Geriatric Medicine, Wake Forest Alzheimer's Disease Research Center - Winston-Salem (USA), [2]W. G. (Bill) Hefner VA Medical Center - Salisbury (USA), [3]University Of Texas Health Science Center At San Antonio, Glenn Biggs Institute For Alzheimer's And Neurodegenerative Diseases, Department Of Neurology - San Antonio (USA), [4]University Of Texas Health Science Center At San Antonio, Glenn Biggs Institute For Alzheimer's And Neurodegenerative Diseases, Department Of Medicine - San Antonio (USA), [5]Mayo Clinic, Department Of Neurology, Mayo Clinic Alzheimer's Disease Research Center, The Mayo Clinic Study Of Aging - Rochester (USA), [6]Mayo Clinic, Robert And Arlene Kogod Center On Aging - Rochester (USA), [7]Barshop Institute for Longevity and Aging Studies and Geriatric Research, Education and Clinical Center - San Antonio (USA), [8]Boston University School of Medicine, Department of Neurology - Boston (USA)

OC7 - Baseline Characteristics for CLARITY-AD: A Phase 3 Placebo-Controlled, Double-Blind, Parallel-Group, 18-Month Study Evaluating Lecanemab (BAN2401) in Early Alzheimer's

Shau Yu Lynch [1], Michelle Gee [2], Michio Kanekiyo [1], Tanya Bogoslovsky [1], June Kaplow [1], Shobha Dhadda [1], Michael Irizarry [1], David Li [1], Vicki Taylor [2], Mark Hodgkinson [1], Masaki Nakagawa [3], Chad Swanson [1]

[1]Eisai Inc - Woodcliff Lake (USA), [2]Eisai Ltd - Hatfield (United Kingdom), [3]Eisai Co., Ltd - Tokyo (Japan)

OC8 - Effects of the oral p38α kinase inhibitor neflamapimod on motor function (gait) in patients with mild-to-moderate dementia with Lewy bodies (DLB)

John Alam [1], Hui-May Chu [2], Kelly Blackburn [1]

[1]Eip Pharma, Inc - Boston (USA), [2]Anoixis Corporation - Natick (USA)

OC9 - Access to Alzheimer's Disease Participant Level Results Data Via Data Sharing Platforms

Rebecca Li [1, 2], Murali Doraiswamy [3], Ida Sim [1, 4], Lon Schneider [5]

[1]Vivli, Inc, Cambridge, MA (USA) [2]Harvard Medical School, Center for Bioethics, Boston, MA (USA) [3]Duke University School of Medicine, Durham, NC (USA) [4]University of California, San Francisco (USCF), San Francisco, CA (USA) [5]Keck School of Medicine of the University of Southern California, Los Angeles, CA (USA)

12.15 p.m   Lunch

1.15 p.m   SYMPOSIUM 2
TRAILBLAZER-ALZ: Three Clinical Trials of Donanemab in Early Alzheimer's Disease
Chair: Andrew Schade, MD, PhD, Eli Lilly & Company, Indianapolis, IN (USA)

Application of novel diagnostic tools in TRAILBLAZER-ALZ clinical trials
Andrew Schade, MD, PhD, Eli Lilly & Company, Indianapolis, IN (USA)

TRAILBLAZER-ALZ 2 Baseline Characteristics and Screening Data
Paul Solomon, PhD, Boston University Alzheimer's Disease Center, Boston, MA (USA)

TRAILBLAZER-ALZ 3 Trial Design and Rationale
Pierre Tariot, MD, Banner Alzheimer's Institute, Phoenix, AZ (USA)

1.55 p.m   ORAL COMMUNICATIONS

OC10 - Phase 2/3 trials of ATH-1017, a novel treatment for mild-to-moderate Alzheimer's disease: Updates and baseline data

Xue Hua [1], Kevin Church [1], Kai-Bin Ooi [1], Joyce Maalouf [1], William Walker [1], Charles Bernick [2], Sam Dickson [3], Suzanne Hendrix [3], Larry Ereshefsky [4], Hans J Moebius [5]

[1]Athira Pharma, Inc. - Bothell, Wa (USA), [2]Department Of Neurology, University Of Washington - Seattle, Wa (USA), [3]Pentara Corporation - Millcreek, Ut (USA), [4]Follow The Molecule: Cns Consulting Llc - California (USA), [5]Athira Pharma, Inc. - Bothell Wa (USA)

OC11 - A Stepwise Tier-Based Approach for Determining Patient Eligibility in CLARITY AD: A Phase 3 Placebo-Controlled, Double-Blind Study to Confirm the Safety and Efficacy of Lecanemab (BAN2401) 10 mg/kg Biweekly in Patients with Early Alzheimer's Disease

Shau Yu Lynch [1], Michelle Gee [2], Michio Kanekiyo [1], Michael Smith [3], Tanya Bogoslovsky [1], June Kaplow [1], Shobha Dhadda [1], Michael Irizarry [1], Vicki Taylor [2], Mark Hodgkinson [1], Masaki Nakagawa [4], Chad Swanson [1]

[1]Eisai Inc - Woodcliff Lake (USA), [2]Eisai Ltd - Hatfield (United Kingdom), [3]Worldwide Clinical Trials - Research Triangle (USA), [4]Eisai Co., Ltd - Tokyo (Japan)

OC12 - Results of a Phase 2 Study of AR1001 in Mild to Moderate Alzheimer's disease Patients

Philip Scheltens [1], James Rock [2], Vijay Hingorani [2], Fred Kim [2], Matthew Choung [3]

[1]Alzheimer Center at The Vu University Medical Center - Amsterdam (Netherlands), [2]Aribio Usa, Inc. - San Diego (USA), [3]Aribio, Co., Ltd. - Seongnam (Republic of Korea)

Wednesday, NOVEMBER 10

OC13 - Binding profiles to different amyloid-beta species of lecanemab, aducanumab and gantenerumab, the three most developed antibodies for Alzheimer's disease

Lars Lannfelt [1], Malin Johannesson [2], Patrik Nygren [2], Linda Söderberg [2], Christer Möller [2]
[1]Uppsala University - Uppsala (Sweden), [2]Bioarctic - Stockholm (Sweden)

2.55 p.m

SYMPOSIUM 3
Bringing Repurposed Drugs to Market: Challenges and Opportunities from Research to Commercialization
Chair: Howard Fillit, Alzheimer's Drug Discovery Foundation - New York, NY (USA)

Repurposing Riluzole for Mild Alzheimer's Disease
Ana Pereira, *Icahn School of Medicine At Mount Sinai - New York, NY (USA)*

Towards a Phase III Trial of Rotigotine in Combination with Cholinesterase Inhibitors in Patients with Alzheimer's Disease
Giacomo Koch, *Fondazione Santa Lucia - Rome (Italy)*

Low-dose Levetiracetam for Treatment of Age-related Cognitive Impairment and to Delay Progression of Alzheimer's Dementia
Richard B. Carter, *Agenebio – Baltimore, MD (USA)*

3.35 p.m   Coffee break and poster session

4.05 p.m   **LATE BREAKING ORAL COMMUNICATIONS**

5.05 - 6:05 p.m   **REMOTE COMMUNICATIONS projected in the ballroom & AVAILABLE ON DEMAND on the digital platform**

ROC9 - Performance of the PrecivityAD™ blood test in detection of brain amyloidosis in cognitively normal and cognitively impaired individuals

Suzanne Schindler [1], Kevin Yarasheski [2], Tim West [2], Matthew Meyer [2], Kris Kirmess [2], Anne Fagan [1], John Morris [1], Randall Bateman [1]
[1]Washington University - St. Louis, MO (USA), [2]C2n Diagnostics - St. Louis, MO (USA)

ROC10 - Plasma Neurofilament Light chain and Phosphorylated tau217 in Patients with Type 2 Diabetes Treated with GLP-1 Receptor Agonist Dulaglutide in the REWIND Cardiovascular Outcomes Trial

Jonathan M Wilson [1], Hui-Rong Qian [1], Courtney Irelan [1], Hannah Badger [1], Jeffrey L Dage [1], Kevin L Duffin [1], Dawn A Brooks [1], Hertzel C Gerstein [2], M Angelyn Bethel [1]
[1]Eli Lilly and Company – Indianapolis, IN (USA), [2]Population Health Research Institute - Hamilton (Canada) - Hamilton (Canada)

ROC11 - Maximizing precision and power in Alzheimer's disease trials: how and when to select the most prognostic baseline variables

Michael Rosenblum [1], Elizabeth Colantuoni [1], Melody Dehghan [1], Michela Gallagher [1], Arnold Bakker [1]
Johns Hopkins University – Baltimore, MD (USA)

ROC12 - Baseline characteristics of the GRADUATE studies: Phase III randomized, placebo-controlled studies investigating subcutaneous gantenerumab in participants with early Alzheimer's disease

Christopher Lane [1], Szofia Bullain [2], Angeliki Thanasopoulou [2], Paul Delmar [2], Alison Searle [1], Mercè Boada [3, 4], Timo Grimmer [5], Diana Kerwin [6], Paulo Fontoura [2], Geoffrey A Kerchner [2], Rachelle S Doody [2, 7]
[1]Roche Products Ltd - Welwyn Garden City (United Kingdom), [2]F. Hoffmann-La Roche - Basel (Switzerland), [3]Fundació Ace, Barcelona Alzheimer Treatment And Research Center - Barcelona (Spain), [4]Networking Research Center on Neurodegenerative Diseases (CIBERNED), Instituto de Salud Carlos III - Madrid (Spain), [5]Klinikum Rechts Der Isar, Technical University Of Munich, School Of Medicine - Munich (Germany), [6]Kerwin Medical Center – Dallas, TX (USA), [7]Genentech, Inc. - South San Francisco, CA (USA)

REMOTE PRESENTATIONS   PROGRAM ONSITE

Thursday,
NOVEMBER 11

| 7.00 - 8:00 a.m | **REMOTE COMMUNICATIONS projected in the ballroom**
& AVAILABLE ON DEMAND on the digital platform |

ROC13 - Update in the Phase 2 clinical trial of ABvac40, an active vaccine anti-Aβ40 in patients with mild cognitive impairment or very mild Alzheimer's disease

Elisabet Molina [1], Pedro Pesini [1], Sergio Castillo [1], Ana María Lacosta [1], Jose Antonio Allué [1], Noelia Fandós [1], María Montañés [1], Mercè Boada [2]

[1]Araclon Biotech-Grifols - Zaragoza (Spain), [2]Fundació Ace - Barcelona (Spain)

ROC14 - Brainshuttle AD: A Phase Ib/IIa Multiple Ascending Dose Study to Investigate the Safety, Tolerability, Pharmacokinetics, and Pharmacodynamics of RG6102 in Participants with Prodromal or Mild-to-Moderate Alzheimer's Disease

Luka Kulic [1], Annamarie Vogt [1], Fabien Alcaraz [1], Philip Barrington [1], Maddalena Marchesi [1], Gregory Klein [1], Ruth Croney [1], David Agnew [1], João A Abrantes [1], Paul Jordan [1], Hanno Svoboda [1]

F. Hoffmann-La Roche Ltd - Basel (Switzerland)

ROC15 - PK/PD modeling framework to inform the clinical development of RG6102, an amyloid-targeting investigational drug with enhanced brain penetration properties

João A Abrantes [1], Hans Peter Grimm [1], Carsten Hofmann [1], Simon Buatois [1], Sébastien Jolivet [1], Nicolas Frey [1], Hanna Silber Baumann [1], Hanno Svoboda [1], Luka Kulic [1]

Roche Innovation Center - Basel (Switzerland)

ROC16 - Results of A Phase 1, Randomized, Blinded, Placebo-Controlled, Single-Ascending-Dose Study to Evaluate the Safety, Tolerability, and Pharmacokinetics of BIIB076 in Healthy Volunteers and Subjects With Alzheimer's Disease

Elena Ratti [1], Hua Carroll [1], Lin Lin [1], Carrie Rubel [1], Alexis Ang [1], John O'gorman [1], Matthew Ross [1], Kumar Kandadi Muralidharan [1], Danielle Graham [1], Julie Czerkowicz [1], Ellen Huang [1], Jaren Landen [1], Samantha Budd Haeberlein [1]

Biogen - Cambridge (United States)

LIVE PROGRAM ONSITE IN BOSTON

8.00 a.m

KEYNOTE 3
Vascular Risk Factors and AD: Implications for Therapeutic Trials
Cynthia M. Carlsson, MD, University of Wisconsin School of Medicine and Public Health, Madison, WI (USA)

8.20 a.m

ORAL COMMUNICATIONS

OC14 - A Polymorphism Cluster at the 2q12 locus May Predict Response to Piromelatine in Patients with Mild Alzheimer's Disease

Lon Schneider [1] University Of Southern California - Department of Psychiatry and The Behavioral Sciences, and Department of Neurology, Keck School Of Medicine, and Leonard Davis School Of Gerontology of The University of Southern California, Los Angeles, CA (USA)

OC15 - Impact of Cocoa Flavanols and Multivitamins on Cognitive Function: Findings COSMOS-MIND

Laura Baker [1], Joann Manson [2,3], Stephen Rapp [1], Howard Sesso [2], Sarah Gaussoin [1], Sally Shumaker [1], Mark Espeland [1]

[1]Wake Forest School Of Medicine - Winston-Salem (USA), [2]Brigham & Women's Hospital - Boston (USA), [3]Harvard Medical School - Boston (USA)

Thursday, NOVEMBER 11

OC16 - Recruiting the Innate Immune System to Treat Mild-to-Moderate Alzheimer's Disease: Short-Term, Double-Blind, Placebo-Controlled Phase II Trial Shows that GM-CSF/Sargramostim Treatment Leads to Improvements in MMSE and Blood Biomarkers of Neuropathology/Neurodegeneration (Aβ, Tau, and UCH-L1)

Huntington Potter [1], Jonathan Woodcock [1], Timothy Boyd [2], Christina Coughlan [1], John O'shaughnessy [1], Manuel Borges [1], Ashesh Thaker [1], Balaibail Raj [3], Katarzyna Adamszuk [4], David Scott [4], Vanesa Adame [1], Paige Anton [1], Heidi Chial [1], Joseph Daniels [1], Helen Gray [1], Michelle Stocker [1], Stefan Sillau [1]
[1]University Of Colorado Alzheimer's And Cognition Center - Aurora (USA), [2]Partner Therapeutics - Lexington (USA), [3]University Of South Florida - Tampa (USA), [4]Bioclinica - Princeton (USA)

OC17 - Targeted medication therapy management can successfully augment cognitive reserve in predementia Alzheimer's disease: Results from the INtervention for Cognitive Reserve Enhancement in delaying the onset of Alzheimer's Symptomatic Expression (INCREASE) Study

Gregory Jicha [1], Erin Abner [1], Frederick Schmitt [1], Lynne Eckmann [1], Mark Huffmyer [1], Ashley Martinez [1,2], Brooke Beech [1,3], Rosmy George [1], Riham El Khouli [1], Doaa Ali [1], Daniela Moga [1]
[1]University Of Kentucky - Lexington (USA), [2]Harvard Medical School - Boston (USA), [3]Washington State University - Pullman (USA)

OC18 - A model combining tau PET, baseline cognition and neurofilament light optimally predicts

Ruben Smith [1], Nicholas Cullen [1], Antoine Leuzy [1], Shorena Janelidze [1], Sebastian Palmqvist [1], Niklas Mattsson-Carlgren [1], Oskar Hansson [1]
Lund University - Lund (Sweden)

9.35 a.m — **LATE BREAKING ORAL COMMUNICATIONS**

10.35 a.m — Coffee break and poster session

11.00 a.m — **LATE BREAKING ORAL COMMUNICATIONS**

12.00 p.m — Lunch

1.00 p.m — **ORAL COMMUNICATIONS**

OC19 - Flortaucipir in the Trailblazer-ALZ trial

Sergey Shcherbinin [1], Ming Lu [2], Amanda Morris [2], Ixavier Higgins [1], Cynthia Evans [1], Albert Lo [1], Emily Collins [1,2], John Sims [1], Dawn Brooks [1], Mark Mintun [1,2]
[1]Eli Lilly And Company - Indianapolis (USA), [2]Avid Radiopharmaceuticals - Philadelphia (USA)

OC20 - Effect of racial differences in Alzheimer disease biomarkers on design and analysis of prevention trials

Chengjie Xiong [1], Tammie Benzinger [1], Suzanne Schindler [1], Anne Fagan [1], Jason Hassenstab [1], John Morris [1]
Washington University (USA)

OC21 - Why Your Alzheimer's Disease Study Is Going to Fail

Samuel Dickson [1], Newman Knowlton [1], Jessie Nicodemus Johnson [1], Sean Hennessey [1], Suzanne Hendrix [1]
Pentara Corporation - Salt Lake City (USA)

Thursday,
NOVEMBER 11

OC22 – HOPE4MCI Trial: First Trial Targeting Reduction of Hippocampal Overactivity to Treat Mild Cognitive Impairment due to Alzheimer's Disease with AGB101

Sharon Rosenzweig-Lipson [1], Russ Barton [1], Michela Gallagher [1,2], Richard Mohs [1]
[1]Agenebio - Baltimore (USA), [2]Johns Hopkins University – Baltimore, MD (USA)

OC23 – An update and baseline data from the Phase 2/3 GAIN trial of COR388 (atuzaginstat) a novel bacterial virulence factor inhibitor for the treatment of Alzheimer's Disease

Michael Detke [1], Shirin Kapur [1], Marwan Sabbagh [2], Mark Ryder [3], Ira Goodman [4], Debasish Raha [1], Florian Ermini [1], Mai Nguyen [1], Ursula Haditsch [1], Joanna Bolger [1], Dave Hennings [1], Kim Perry [5], Kelly Ritch [6], Casey Lynch [1], Hatice Hasturk [7], Leslie Holsinger [1], Stephen Dominy [1]
[1]Cortexyme - South San Francisco, Ca (USA), [2]Cleveland Clinic - Las Vegas, NV (USA), [3]UCSF - San Francisco, CA (USA), [4]Bioclinica - Orlando, FL (USA), [5]Innovative Analytics - Portage, Mi (USA), [6]Datafy Clinical R&D - Portage, MI (USA), [7]Forsyth Institute - Cambridge, MA (USA)

OC24 – SEMA4D blocking antibody, pepinemab, is a novel potential treatment for neurodegenerative disease: clinical proof of concept in HD supports clinical development in AD

Terrence Fisher [1], Elizabeth Evans [1], Alisha Reader [1], Vikas Mishra [1], Crystal Mallow [1], Ernest Smith [1], John Leonard [1], Andrew Feigin [2], Eric Siemers [3], Janet Wittes [4], Maurice Zauderer [1]
[1]Vaccinex - Rochester (USA), [2]For The Huntington Study Group And Signal Investigators And Coordinators - Rochester (USA), [3]Siemers Integration Llc - Indianapolis (USA), [4]For Statistics Collaborative - Washington (USA)

2.30 p.m

KEYNOTE 4
Biostatistics in Alzheimer's Disease Therapeutic Trials: A Future of Convergence

Rema Raman, PhD - Keck School of Medicine, University of Southern California and Director of Biostatistics at USC Alzheimer Therapeutic Research Institute, San Diego, CA (USA)

2.50 p.m

ORAL COMMUNICATIONS

OC25 – Current Status and Quantitative Results of the AMYPAD Prognostic and Natural History Study

Juan Domingo Gispert [1], Lyduine Collij [2], Katherine Gray [3], David Vállez-García [2], Fiona Heeman [2], Gemma Salvadó [1], Bruno Dubois [4], Bruno Vellas [5], Miia Kivipelto [6], Agneta Nordberg [6], Bernard Hansseuw [7], Mercé Boada [8], Pablo Martínez-Lage [9], Andrew Stephens [10], Giovanni Frisoni [11], Craig Ritchie [12], Lisa Ford [13], Pieter Jelle Visser [2], Gill Farrar [14], Frederik Barkhof [2]
[1]Barcelonabeta Brain Research Center - Barcelona (Spain), [2]Amsterdam Umc - Amsterdam (Netherlands), [3]Ixico - London (United Kingdom), [4]Aphp - Paris (France), [5]Chu Toulouse - Toulouse (France), [6]Karolinska Institutet - Solna (Sweden), [7]Uc Louvain - Ottignies-Louvain-la-Neuve (Belgium), [8]Fundació Ace - Barcelona (Spain), [9]Cita - San Sebastián (Spain), [10]Life Mi - Berlin (Germany), [11]University Of Geneva - Geneva (Switzerland), [12]University Of Edinburgh - Edinburgh (United Kingdom), [13]Janssen - Raritan (United States), [14]GE Healthcare - Amersham (United Kingdom)

OC26 – Dyadic enrollment in a phase 3 mild cognitive impairment clinical trial

Navneet Hakhu [1], Daniel Gillen [1], Josh Grill [1]
University Of California, Irvine - Irvine (United States)

OC27 – PIONEER, a Phase 2 Study to Evaluate Treatment with T3D-959 in Patients with Mild to Moderate Alzheimer's Disease: Study Design and Update

John Didsbury [1], Warren Strittmatter [1], Jessica Stanek [1], Stanley Chamberlain [1], Blake Swearingen [1], Hoda Gabriel [1]
T3d Therapeutics, Inc. - Research Triangle Park (United States)

3.35 p.m   Coffee break and poster session

REMOTE PRESENTATIONS   PROGRAM ONSITE

Thursday,
NOVEMBER 11

4.00 p.m

ROUNDTABLE
Value-Generating Exploratory Trials in Neurodegenerative Dementias

Moderator: Howard Fillit, MD, *Alzheimer's Drug Discovery Foundation, New York, NY (USA)*
Discussants: Jeffrey Cummings, MD, *Chambers-Gundy Center for Transformative Neuroscience, Department of Brain Health, School of Integrated Health Sciences, University of Nevada Las Vegas (UNLV), NV (USA),* Michael Gold, MD, *Vice President, Development Neurosciences, AbbVie, Deerfield, IL (USA),* Suzanne Hendrix, PhD, *President and CEO, Pentara Corporation, Salt Lake City, UT (USA)*

4.30 - 5:30 p.m

REMOTE COMMUNICATIONS projected in the ballroom
& AVAILABLE ON DEMAND on the digital platform

ROC17 - EEG findings in a phase 2 study of the oral p38α kinase inhibitor neflamapimod in patients
Willem De Haan [1], Hui-May Chu [1], John Alam [1]
Amsterdam Umc - Amsterdam (Netherlands)

ROC18 - Characterization of the disease course during transitioning from MCI due to AD to dementia predicts follow-up performance and reveals possible contribution of reduced hippocampal atrophy on the intervention effect in the LipiDiDiet trial
Tobias Hartmann [1,2], Alina Solomon [3,4,5], Pieter Visser [6,7], Floor Van Oudenhoven [8,9,10], Dimitris Rizopoulos [8,9], Suzanne Hendrix [11], Kaj Blennow [12,13], Miia Kivipelto [3,4,5], Hilkka Soininen [3,14]
[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 - Kuopio (Finland),* [4]*Division of Clinical Geriatrics, Department of Neurobiology, Care Sciences and Society, Karolinska Institute - Huddinge (Sweden),* [5]*Clinical Trials Unit, Theme Aging, Karolinska University Hospital Kuopio - Huddinge (Sweden),* [6]*Department Of Psychiatry And Neuropsychology, Alzheimer Center Limburg, University Of Maastricht - Maastricht (Netherlands),* [7]*Department of Neurology, Alzheimer Center, VU University Medical Center - Amsterdam (Netherlands),* [8]*Department Of Biostatistics, Erasmus Mc - Rotterdam (Netherlands),* [9]*Department of Epidemiology, Erasmus MC - Rotterdam (Netherlands),* [10]*Danone Nutricia Research, Utrecht - Utrecht (Netherlands),* [11]*Pentara Corporation, Milcreek – Millcreek, UT (USA),* [12]*Department Of Psychiatry And Neurochemistry, Institute Of Neuroscience And Physiology, The Sahlgrenska Academy At University Of Gothenburg - Mölndal (Sweden),* [13]*Clinical Neurochemistry Laboratory, Sahlgrenska University Hospital - Mölndal (Sweden),* [14]*Neurocenter, Department of Neurology, Kuopio University Hospital - Kuopio (Finland)*

ROC19 - Phase 2 Study of Tilavonemab, an Anti-tau Antibody, in Early Alzheimer's Disease
Hana Florian [1], Deli Wang [1], Qi Guo [1], Ziyi Jin [1], Nahome Fisseha [1], Beatrice Rendenbach-Mueller [1]
Abbvie, Inc. - North Chicago, IL (USA)

ROC20 - The epigenetic modulator apabetalone decreases neuroinflammation in blood brain barrier cell models and LPS-treated mice
Sylwia Wasiak [1], Li Fu [1], Emily Daze [1], Dean Gilham [1], Brooke Rakai [1], Stephanie Stotz [1], Laura Tsujikawa [1], Christopher Sarsons [1], Ravi Jahagirdar [1], Norman Wong [1], Michael Sweeney [2], Jan Johansson [2], Ewelina Kulikowski [1]
[1]*Resverlogix Corp - Calgary (Canada),* [2]*Resverlogix Corp - San Francisco, CA (USA)*

| 5.30 – 6:10 p.m | **REMOTE SYMPOSIA projected in the ballroom & AVAILABLE ON DEMAND on the digital platform** |

RS4 Innovative Approaches and Technologies Shaping the Future of Alzheimer's Clinical Trials
Chair: Jeffrey Cummings, University of Nevada - Las Vegas, NV (USA)

Prognostic Covariate Adjustment (PROCOVA) enables smaller, more powerful trials while reducing uncertainty and maintaining control of type I error
Alejandro Schuler, *Unlearn.ai, Stanford University - San Francisco, CA (USA)*

Design and implementation of novel trial designs: Harnessing short-term learning curves (STLCs) to accelerate early detection and tracking in Alzheimer's disease secondary prevention trials
Kathryn Papp, *Harvard Medical School; Brigham And Women's Hospital – Boston, MA (USA)*

Design and implementation of novel trial approaches: New imaging markers for clinical trials
Steven Chance, *Oxford Brain Diagnostics - Oxford (United Kingdom)*

REMOTE PRESENTATIONS PROGRAM ONSITE

Friday,
NOVEMBER 12

| 7.20 - 8:00 a.m | **LIVE PROGRAM ONSITE IN BOSTON** |

SYMPOSIUM

RS5 Metabolomics a Biochemical Roadmap for Drug Discovery in Alzheimer's Disease

Rima Kaddurah Daouk [1], Priyanka Baloni [2], Kamil Borkowski [3]

[1]Duke University Medical Center - Durham (United States), [2]Institute For Systems Biology - Seattle (United States), [3]Univ Of California, Davis - Davis (United States)

8.00 a.m

ORAL COMMUNICATIONS

OC28 - Comparison of the FCSRT and RBANS in screening for early AD clinical trials: Enrichment for disease progression

Edmond Teng [1], Paul Manser [1], Nan Hu [1], Monarch Shah [1], Karen Pickthorn [1], Mira Blendstrup [1], Giuliana Faccin [1], Susanne Ostrowitzki [2], Kaycee Sink [1]

[1]Genentech, Inc. - South San Francisco (USA), [2]F. Hoffmann-La Roche Ltd. - Basel (Switzerland)

OC29 - Effect of Plasma Exchange with Albumin Replacement in Alzheimer's Treatment on Ability to Perform Activities of Daily Living (ADL)

Richard B Lipton [1], Walter F Stewart [2], Lauren Podger [3], David Gomez-Ulloa [4], M Chris Runken [5], Miquel Barcelo [4], Carlota Grifols [4], Daniel Serrano [6]

[1]Albert Einstein College Of Medicine - New York, NY (USA), [2]Medcurio Inc - Oakland, CA (USA), [3]Open Health Group - Marlow (United Kingdom), [4]Grifols - Sant Cugat Del Vallès (Spain), [5]Grifols Ssna - Research Triangle Park, NC (USA), [6]Open Health Group - Bethesda, MD (USA)

OC30 - Divergent longitudinal patterns between participant and study partner report on the Cognitive Function Index in the Harvard Aging Brain Study

Rebecca Amariglio [1], Rachel Buckley [2], Hannah Klinger [2], Kathryn Papp [1], Gad Marshall [1], Catherine Munro [1], Jennifer Gatchel [2], Patrizia Vannini [1], Dorene Rentz [1], Keith Johnson [1], Reisa Sperling [1]

[1]Brigham And Women's Hospital – Boston, MA (USA), [2]Massachusetts General Hospital – Boston, MA (USA)

OC31 - Functional Connectivity Based Individualized Brain Regions to Measure Tau Propagation: towards application in clinical trials

Diana Svaldi [1], Ixavier Higgins [1], Shcherbinin Sergey [1], Nicolai Franzmeier [2], Michael Ewers [2], Emily Collins [1]

[1]Eli Lilly And Company - Indianapolis (USA), [2]University Hospital Munich - Munich (Germany)

OC32 - Practice Effects in the Letter Fluency Test

Taneisha Arora [1], Daniel Gillen [2], Joshua Grill [2], Michelle Nuño [3]

[1]Google - Mountain View, CA (USA), [2]University Of California, Irvine – Irvine, CA (USA), [3]University Of Southern California - Los Angeles (USA)

9.15 a.m

LATE BREAKING ORAL COMMUNICATIONS

10.15 a.m   Coffee break and poster session

10.45 a.m

SYMPOSIUM 4
Diversity in Alzheimer's Disease Clinical Trials
Chair: Holly Massett, National Institute on Aging, U.S. National Institutes of Health, Bethesda, MD, USA

Presentation 1: BRAIN INFO LIVESM: A Free Virtual Outreach Series Reaching Underrepresented US Populations, Bright Focus Foundation
Nancy Lynn, *BrightFocus Foundation, Los Angeles, California, USA*

Presentation 2: Harnessing Community Data to Drive Brain Health Equity – the National Alzheimer's Disease Index
Jason Resendez, *Executive Director, UsAgainstAlzheimer's Center for Brain Health Equity; Washington, DC*

Presentation 3: Building an inclusive science that addresses inclusive diverse trials – the NEWIDEAS Study, Alzheimer's Association Consortia
Peggye Dilworth-Anderson, *PhD, Gillings School of Global Public Health UNC; Chapel Hill, NC, USA*

11.25 a.m

ORAL COMMUNICATIONS

OC33 - Concordance Between the Clinical Dementia Rating (CDR) and the Electronic CDR
Yan Li [1], Taylor Howell [2], Krista Moulder [1], John Morris [1], Michael Weiner [2], Rachel Nosheny [2]
[1]Washington University In St. Louis - St. Louis (USA), [2]University Of California, San Francisco - San Francisco (USA)

OC34 - Quantification of cognitive impairments in preclinical and early Alzheimer's disease: A proof of concept study to investigate the feasibility, adherence and preliminary clinical validity of remote smartphone-based self-assessments of cognition, function and behavior
Thanneer Malai Perumal [1], Arnaud Wolfer [1], Florian Lipsmeier [1], Michael Lindemann [1], Foteini Orfaniotou [1], Simone Rey-Riek [1], Irma T Kurniawan [1], Kirsten Taylor [1]
F. Hoffman La Roche Ltd - Basel (Switzerland)

OC35 - Integrated Alzheimer's Disease Rating Scale (iADRS): Clinically Meaningful Change Estimates
Dorene Rentz [1], Alette Wessels [2], Michael Case [2], John Sims [2]
[1]Harvard Medical School – Boston, MA (USA), [2]Eli Lilly and Company – Indianapolis, IN (USA)

OC36 - A Multinational, Multi-center, Randomized, Double-blind, Active Comparator, Phase III Clinical Trial to Evaluate the Efficacy and Safety of Donepezil Transdermal Patch in Patients with Alzheimer's Disease
Kee-Hyung Park [1], Won Yang Dong [2], Mee Young Park [3], Seong Hye Choi [4], Hyun Jeong Han [4], Hee Jin Kim [5], Kyung Won Park [6], Yuan-Han Yang [7], Suraya Yusoff [8], Gurudev M. Kewalram [9], Seol-Heui Han [10]
[1]Gachon University Gil Medical Center - Incheon (Korea, Republic of), [2]The Catholic University Of Korea, Seoul St. Mary's Hospital - Seoul (Korea, Republic of), [3]Yeungnam University Hospital - Daegu (Korea, Republic of), [4]Inha University Medical Center - Incheon (Korea, Republic of), [5]Hanyang University Seoul Hospital - Seoul (Korea, Republic of), [6]Dong-A University Hospital - Busan (Korea, Republic of), [7]Kaohsiung Municipal Ta-Tung Hospital - Kaohsiung (Taiwan, Republic of China), [8]Hospital Sultan Ismail - Johor Bahru (Malaysia), [9]Prince Charles Hospital - Brisbane (Australia), [10]Konkuk University Medical Center - Seoul (Korea, Republic of)

12.25 p.m   Lunch break

1.30 p.m

ORAL COMMUNICATIONS

OC37 - Update on the Phase 2 Study of AL001 in Frontotemporal Dementia Patients Carrying a Granulin Mutation
Felix Yeh [1], Mike Ward [1], Sam Jackson [1], Herve Rhinn [1], Julie Huang [1], Jenna Pappalardo [1], Yijie Liao [1], Hua Long [1]
Alector, Inc. - South San Francisco (USA)

REMOTE PRESENTATIONS   PROGRAM ONSITE

OC38 - Centiloid scales may represent a robust clinical outcome for anti-Aβ therapeutic trials across diverse populations/locations

Samantha C Burnham [1], Timothy Cox [2], Pierrick Bourgeat [3], Vincent Doré [1], Duygu Tosun [4], Manu Goyal [5], Rosita Shishegar [1], Parnesh Raniga [3], Simon Laws [6], Tenielle Porter [6], Jurgen Fripp [3], Tammie Benzinger [7], Walter Kukull [8], Christopher C Rowe [9], John C Morris [7], Mike Weiner [4], Colin L Masters [10], Victor L Villemagne [11]

[1]The Australian E-Health Research Centre, Csiro Health & Biosecurity - Parkville (Australia), [2]The Australian E-Health Research Centre, Csiro Health & Biosecurity - Canberra (Australia), [3]The Australian E-Health Research Centre, Csiro Health & Biosecurity - Herston (Australia), [4]Department Of Radiology And Biomedical Imaging, University Of California-San Francisco - San Francisco (USA), [5]Neuroimaging Laboratories, Mallinckrodt Institute Of Radiology, Washington University School Of Medicine - St. Louis (USA), [6]Centre For Precision Health, School Of Medical And Health Sciences, Edith Cowan University - Joondalup (Australia), [7]Knight Alzheimer Disease Research Center, Washington University School Of Medicine - St. Louis (USA), [8]Department Of Epidemiology, University Of Washington - Seattle (USA), [9]Department Of Molecular Imaging & Therapy, Austin Health - Heidelberg (Australia), [10]Florey Institute Of Neuroscience And Mental Health, The University Of Melbourne - Parkville (Australia), [11]Department Of Psychiatry, University Of Pittsburgh School Of Medicine - Pittsburgh (USA)

OC39 - A machine learning tool to enrich Alzheimer's disease clinical trials in presymptomatic cohorts

Angela Tam [1], César Laurent [1], Christian Dansereau [1]

Perceiv Research Inc - Montreal (Canada)

OC40 - The Internet-based conversational engagement clinical trial (I-CONECT) in socially isolated adults 75+ years old: Randomized controlled trial protocol and COVID-19 related study modifications

Kexin Yu[1], Lisa C. Silbert [2], Katherine Wild[2], Jeffrey A. Kaye[2], Elena L. Alfaro[3], Jacob Lindsey [4, 2], Colon Scavone[2], Mattie Mcdonald[2, 5], Hiroko H. Dodge[2]

[1]University Of Southern California - Los Angeles (USA), [2]Oregon Health & Science University - Portland (USA), [3]University Of Wisconsin-Madison - Madison (USA), [4]Oregon State University – Corvallis, OR (USA), [5]Syneos Health – Portland, OR (USA)

OC41 - Development of a novel digital speech composite measure for Frontotemporal Dementia

Jessica Robin [1], Mengdan Xu [1], Liam Kaufman [1], William Simpson [1], Michael Ward [2], Robert Paul [2]

[1]Winterlight Labs - Toronto (Canada), [2]Alector, Inc. - South San Francisco (USA)

OC42 - Longitudinal safety, clinical, and beta amyloid PET outcomes of a multi-center clinical trial of focused ultrasound blood brain barrier (BBB) opening of the hippocampus, frontal and parietal lobes in early Alzheimer's disease

Ali Rezai [1], Manish Ranjan [1], Mark Haut [1], Jeffrey Carpenter [1], Umer Najib [1], Rashi Mehta [1], Pierre-Francois D'haese [1], J. Levi Chazen [2], Zion Zibly [3], Daniel Claassen [4], Peter Konrad [1], Sally Hodder [5], Michael Kaplitt [2]

[1]WVU Rockefeller Neuroscience Institute - Morgantown (USA), [2]Weill Cornell Medicine - New York (USA), [3]Sheba Medical Center - Ramat Gan (Israel), [4]Vanderbilt University - Nashville (USA), [5]West Virginia Clinical and Translational Institute - Morgantown (USA)

3.00 p.m   **Statistics workshop: re-thinking trial outcomes**
Paul Aisen, MD, *ATRI at USC, San Diego, CA (USA)*, Hong Liu Seifert, *Eli Lilly & Company, Indianapolis, IN (USA)*

POSTER PRESENTATIONS

- **THEME**
  AD clinical trials and COVID-19

  RP1

- **THEME**
  Animal model and clinical trial

  RP2
  P1

- **THEME**
  Behavioral disorders and clinical trials

  RP3
  P2 to P5

- **THEME**
  Clinical trials: cognitive and functional endpoints

  RP4
  P6 to P11

- **THEME**
  Clinical trials: imaging

  RP5 to RP6
  P12 to P19

- **THEME**
  Clinical trials: biomarkers including plasma

  RP7 to RP13
  P20 to P26

- **THEME**
  Clinical trials: methodology

  RP14 to RP17
  P27 to P40

- **THEME**
  Clinical trials: results

  RP18 to RP19
  P41 to P47

- **THEME**
  Cognitive assessment and clinical trials

  RP20 to RP25
  P48 to P60

- **THEME**
  Epidemiology and clinical trials

  RP34 to RP38
  P61 to P63

- **THEME**
  Digital health/E-trials

  RP26 to RP32
  P64 to P67

- **THEME**
  Health economics and clinical trials

  RP33
  P68 to P69

- **THEME**
  New therapies and clinical trials

  RP39 to RP41
  P70 to P72

- **THEME**
  Proof of concept/Translational research
  for Alzheimer Drug Development interventions

  RP42 to RP43
  P73 to P74

Poster presented onsite in Boston

These posters will be available in the poster hall at the Conference Venue, with specific "meet the presenters" sessions during coffee breaks and lunches.

Furthermore, all posters presented onsite in Boston will also be available at all times on the digital platform to be viewed by participants attending remotely or in-person.

Posters presented remotely

All posters presented remotely will also be available at all times on the digital platform to be viewed by participants attending remotely or in-person.

THEME
Animal model and clinical trial

P1 Treatment of Alzheimer's disease by a proteosome-based adjuvant (Protollin) that modulates both peripheral monocytes and disease-associated microglia

Panayota Kolypetri
Brigham Women's Hospital – Boston, MA (USA)

THEME
Behavioral disorders and clinical trials

P2 Mapping Items of the Cohen-Mansfield Agitation Inventory onto International Psychogeriatric Association's agitation definition: data from the brexpiprazole phase 3 program for the treatment of agitation in Alzheimer's dementia

Ross A. Baker 1, Eva Kohegyi 1, Ismail Zahinoor 2
1Otsuka – Princeton, NJ (USA), 2University of Calgary - Calgary (Canada)

P3 Veterans in AD Prevention Clinical Trials: An evaluation of the association of TBI on memory and global cognition

Carol Van Hulle 1, Madison Rundell 1, Karen Lazar 1, Elena Beckman 1, Noele Brandon 1, Carey Gleason 1, Sterling Johnson 1, Sanjay Asthana 1, Cynthia Carlsson 1
University of Wisconsin-Madison – Madison, WI (USA)

P4 Low dose lithium treatment of behavioral complications in Alzheimer's disease: Lit-AD randomized clinical trial

Davangere Devanand 1, Elizabeth Crocco 1, Brent Forester 1, Mustafa Husain 1, Seonjoo Lee 1
Columbia University Irving Medical Center - New York (USA)

P5 Measuring neuropsychiatric symptoms in early dementia patients using speech analysis

Alexandra König 1, 2, Elisa Mallick 3, Johannes Tröger 3, Nicklas Linz 3, Radia Zegahri 2, Valeria Manera 2, Philippe Robert 2
1INstitut National de Recherche en Informatique et en Automatique (INRI). Stars Team. Sophia Antipolis. Valbonne. France - Valbonne (France), 2Cobtek (Cognition-Behaviour-Technology) Lab, FRIS-University Côte d'azur, Nice, France - Nice (France), 3Ki:elements, Saarbrücken, Germany - Saarbrücken (Germany)

THEME
Clinical trials: cognitive and functional endpoints

P6 Natural Disease Progression Model of Alzheimer's Disease Using the Integrated Alzheimer's

Brian Willis 1, Alette Wessels 1, Laiyi Chua 1, Kay Chow 1, Emmanuel Chigutsa 1, John Sims 1, Ivelina Gueorguieva 1
Eli Lilly And Company - Indianapolis (USA)

P7 iADRS: demonstration of clinical meaningfulness by association of health-related quality of life outcome assessments

Julie Chandler 1, Mark Belger 1, Alette Wessels 1, Joe Johnston 1, Dorene Rentz 2, 3, James Murray 1, John Sims 1
1Eli Lilly And Company - Indianapolis (USA), 2Department Of Neurology, Massachusetts General Hospital, Harvard Medical School - Boston (USA), 3Center for Alzheimer Research and Treatment, Department of Neurology, Brigham and Women's Hospital, Harvard Medical School - Boston (USA)

P8 Repeated administration of autologous adipose tissue-derived stem cells improved cognitive function in Alzheimer's disease

Kazuo Shigematsu 1, 2, Kazunari Ishii 3, Naoyuki Komori 2, Kenichi Tahara 4, Hisakazu Yamagishi 5
1Minami Kyoto Hospital - Joyo (Japan), 2Nagitsuji Hospital - Kyoto (Japan), 3Department Of Radiology, Kindai University Faculty Of Medicine - Osakasayama (Japan), 4Takara Bio Inc - Kusatsu (Japan), 5Kyoto Prefectural University Of Medicine - Kyoto (Japan)

P9 The Influence of Level of Education on Instrumental Activities of Daily Living in Patients with Alzheimer's Disease

Carina Wattmo
Clinical Memory Research Unit, Department of Clinical Sciences, Malmö, Lund University - Malmö (Sweden)

P10 Low-dose Whole Brain Radiation Therapy for Early Alzheimer's Dementia: Early Results from a Phase IIa Trial

Leland Rogers 1, Sarah Lageman 2, John Karis 3, Minesh Mehta 4, James Fontanesi 5
1Gammawest Cancer Services - Salt Lake City, Ut (USA), 2Virginia Commonwealth University - Richmond, Va (USA), 3Barrow Neurological Institute - Phoenix, Az (USA), 4Miami Cancer Institute - Miami, Fl (USA), 5William Beaumont Hospital - Auburn Hills , Mi (USA)

P11 AMBAR Treatment Effect Size Compared to Monoclonal Antibody Study Effect Sizes

Samuel Dickson 1, Suzanne Hendrix 1, Jessie Nicodemus Johnson 1, Miquel Barcelo 2, Merce Boada 3, 4, Oscar Lopez 5, Laura Nunez 2, Carlota Grifols 2, Antonio Paez 2
1Pentara Corporation - Millcreek (USA), 2Grifols - Barcelona (Spain), 3Universitat Internacional De Catalunya - Barcelona (Spain), 4Instituto de Salud Car

● POSTERS presented onsite

THEME
Clinical trials: imaging

P12 An automated MRI face-removal pipeline to anonymize patient scans for clinical trials
Lukasz Kidzinski 1, Thomas Cajgfinger 2, Kevin Thomas 1, Luc Bracoud 2, Po-Han Chen 3, Shao-Yu Lin 3, Joonmi Oh 1, Chun-Chiang Shen 3, Chris Conklin 4, Joël Schaerer 2, David Scott 1, Joyce Suhy 1
1Bioclinica - San Mateo (USA), 2Bioclinica - Lyon (France), 3Bioclinica - Taiwan (Taiwan, Republic of China), 4Bioclinica - Princeton (USA)

P13 Free water imaging as a tool for understanding Alzheimer's Disease
Richard Parker 1, Richard Joules 1, Robin Wolz 1
Ixico Plc - London (United Kingdom)

P14 Impact of Age and APOE4 carrier status in subjects at-risk for AD on microhemorrhages, white matter lesions and brain volume: Preliminary analyses
Luc Bracoud 1, Marie-Emmanuelle Rivière 2, David Scott 3, Chris Conklin 4, Angelika Caputo 2, Joyce Suhy 3, Ana Graf 2
1Bioclinica - Lyon (France), 2Novartis Pharma Ag - Basel (Switzerland), 3Bioclinica - San Mateo (USA), 4Bioclinica - Princeton (USA)

P15 Towards computer-assisted detection of ARIA-E occurrence
Thomas Cajgfinger 1, Luc Bracoud 1, Derk Purcell 2, Joël Schaerer 1, Marco Lyons 3, Szofia Bullain 3, Jakub Wojtowicz 4, Chris Conklin 5, David Scott 6, Joyce Suhy 6, Gregory Klein 4
1Bioclinica - Lyon (France), 2California Pacific Medical Center - San Francisco (USA), 3Roche/genentech Product Development, Neuroscience - Basel (Switzerland), 4Roche Pharma Research and Early Development - Basel (Switzerland), 5Bioclinica - Princeton (USA), 6Bioclinica - San Mateo (USA)

P16 Allopregnanolone as a Regenerative Therapeutic for Alzheimer's Disease: Phase 2 proof-of-concept clinical trial using hippocampal volume as a surrogate endpoint
Gerson Hernandez 1, Lon Schneider 2, Dawn Matthews 3, Kathleen Rodgers 1, Claudia Lopez 1, Yvette Wang 1, Adam Raikes 1, Gary Cutter 4, Roberta Brinton 1
1Center For Innovation In Brain Science, University Of Arizona - Tucson (USA), 2Keck School Of Medicine Of USC - Los Angeles (USA), 3Adm Diagnostics - Chicago (USA), 4Uab School Of Public Health - Birmingham (USA)

P17 Safety, Tolerability and Cerebral Blood Flow After Single Doses of the β2-agonist, Clenbuterol, in Patients with Mild Cognitive Impairment or Parkinson's Disease
Thomas Lodeweyckx 1, Jan De Hoon 1, Koen Van Laere 2, Michel Koole 1, Wim Vandenberghe 3, Courtney Bishop 4, Eugenii Rabiner 4, Renee Martin 5, Anthony Ford 5, Gabriel Vargas 5
1Department Of Pharmaceutical And Pharmacological Sciences, Ku Leuven - Leuven (Belgium), 2Division Of Nuclear Medicine, University Hospital Leuven And Nuclear Medicine And Molecular Imaging - Durham (USA), 3Department Of Neurology, University Hospital Leuven - Leuven (Belgium), 4Invicro, A Konica Minolta Company - London (United Kingdom), 5Curasen Therapeutics, Inc - San Carlos, California (USA)

P19 Regional amyloid accumulation predicts memory decline in initially cognitively unimpaired individuals
Lyduine Collij 1, Sophie Mastenbroek 1, Gemma Salvadó 2, Alle Meie Wink 1, Pieter Jelle Visser 1, Frederik Barkhof 1, Bart Berckel Van 1, Isadora Lopes Alves 1
1Amsterdam Umc - Amsterdam (Netherlands), 2Barcelonabeta Brain Research Center - Barcelona (Spain)

THEME
Clinical trials: biomarkers including plasma

P20 Microglia biomarkers in Alzheimer's disease
Peng-Fei Zhang
Qingdao University - Qingdao (China)

P22 Alzheimer's disease Patients have Impaired CSF Egress due to Atrophy of the Cribriform Plate
Douglas Ethell 1, 2, Ricardo Zaragoza 1, Javed Siddiqi 3, Daniel Miuli 4
1Leucadia Therapeutics Inc - Riverside (USA), 2La Jolla Immunology Institute - San Diego (USA), 3Desert Regional Med Ctr - Palm Springs (USA), 4Arrowhead Regional Med Ctr - Colton (USA)

POSTERS presented onsite

● POSTERS presented onsite

P35 Effects of inclusion/exclusion criteria on ethnocultural and socioeconomic composition of participants in an Alzheimer's disease clinical trial: Analysis of Health and Retirement Study (HRS) data

Miriam T. Ashford 1, Mohammed U. Kabeto 2, Caroline R. Wixom 3, 4, 5, Rachel L. Nosheny 6, Michael W. Weiner 7, David R. Weir 8, Kenneth M. Langa 8, 9, 10

1Northern California Institute For Research And Education (ncire), Department Of Veterans Affairs Medical Center - San Francisco (USA), 2Department Of Internal Medicine, University Of Michigan - Ann Arbor (USA), 3General Medicine, Department Of Internal Medicine, University Of Michigan - Ann Arbor (USA), 4Department of Medicine, University of California San Francisco - San Francisco (USA), 5Department of Neurology, University of California San Francisco - San Francisco (USA), 6Department Of Psychiatry, University Of California San Franciscof - San Francisco (USA), 7Department Of Radiology And Biomedical Imaging, University Of California San Francisco - San Francisco (USA), 8Institute For Social Research, University Of Michigan - Ann Arbor (USA), 9Department of Medicine, University of michigan - Ann Arbor (USA), 10Institute for Healthcare Policy and Innovation, University of Michigan - Ann Arbor (USA)

P36 A machine learning tool to enrich early Alzheimer's disease clinical trial cohorts

Angela Tam 1, César Laurent 1, Christian Dansereau 1

Perceiv Research Inc - Montreal (Canada)

P37 Enhancing the Enrollment of Underrepresented Minority Populations in Clinical Trials Through the Global Alzheimer's Platform Foundation's® (GAP's) Diversity and Inclusion Program

Tamiko Rodgers 1, Leigh Zisko 1, John Dwyer 1, Judith Jeter 1, Cyndy Cordell 1

Global Alzheimer's Platform Foundation – Washington, DC (USA)

P38 Comprehensive evaluations of some mixed models for clinical trial analysis in Alzheimer disease

Guoqiao Wang

Washington University In St Louis - St Louis, MI (USA)

P39 Predicting Amyloid Positivity Using Machine Learning-Based Risk Scores

Kellen Petersen 1, Ali Ezzati 1, Richard Lipton 1, Ellen Grober 1

Albert Einstein College of Medicine – Bronx, NY (USA)

P40 Determining the Probability of Success in a Clinical Development Program for a Disease Modifying AD Treatment

Suzanne Hendrix 1, Newman Knowlton 1, Jessie Nicodemus Johnson 1, Sean Hennessey 1, Samuel Dickson 1

Pentara Corporation - Salt Lake City (USA)

THEME
Clinical trials: results

P41 Single and multiple ascending dose studies in healthy volunteers to assess the safety and PK of LY3372689, an inhibitor of the O-GlcNAcase (OGA) enzyme

Paul Goldsmith 1, Stephen Lowe 1, Krista Phipps 1, Kevin Donnelly 1, Kevin Biglan 1, Michele Mancini 1, Hugh Nuthall 1, Dustin J. Mergott 1, William Kielbasa 1

Eli Lilly And Company, Lilly Corporate Center - Indianapolis (USA)

P42 CPAD: Accelerating Alzheimer's disease drug development through pre-competitive data sharing and generation of data-driven quantitative drug development tools

Sudhir Sivakumaran 1, Jackson Burton 1, Yashmin Karten 1, Zihan Cui 1, Bob Stafford 1, Corissa Lau 1, Eileen Priest 1, Hazel White 1, Michael Irizarry 2, Klaus Romero 1

1Critical Path Institute - Tucson (USA), 2Eisai Inc. - Woodcliff Lake (USA)

P43 Brain target occupancy of LY3372689, an inhibitor of the O-GlcNAcase (OGA) enzyme, following administration of single and multiple doses to healthy volunteers

William Kielbasa 1, Sergey Shcherbinin 1, Paul Goldsmith 1, Krista M. Phipps 1, Kevin Biglan 1, Michele Mancini 1, David Russell 2, Cristian Constantinescu 2, Roger N. Gunn 3, Hugh N. Nuthall 1, Dustin J. Mergott 1, Stephen Lowe 1, Emily C. Collins 1

1Eli Lilly And Company, Lilly Corporate Center - Indianapolis (USA), 2Invicro, A Konica Minolta Company New Haven - Connecticut (USA), 3Invicro, A Konica Minolta Company, Burlington Danes Building, Imperial College London, Hammersmith Hospital, Du Cane Road - London (United Kingdom)

P44 ACI-24, an anti-beta amyloid vaccine, in patients with mild Alzheimer's disease: Results of a phase 2, randomized, double-blind, placebo-controlled study

Olivier Sol 1, Saskia Delpretti 1, Marija Vukicevic 1, Merja Hallikainen 2, Roy Jones 3, Anne Börjesson-Hanson 4, Aliya Asher 5, Alex Thompson 6, Christopher Kipps 7, Emer Mcsweeney 8, Tanja Touilloux 1, Julian Gray 1, Nicolas Fournier 1, Valérie Hliva 1, Antonio Melo Dos Santos 1, Mika Scheinin 9, 10, Marie Kosco-Vilbois 1, Johannes Streffer 1, 11, Andrea Pfeifer 1, Juha Rinne 9, 10

1Ac Immune Sa - Lausanne (Switzerland), 2University Of Eastern Finland - Kuopio (Finland), 3University Of Bath - Bath (United Kingdom), 4Karolinska University Hospital - Stockholm (Sweden), 5Mac Clinical Research - Manchester (United Kingdom), 6Mac Clinical Research - Cannock (United Kingdom), 7Southampton General Hospital - Southampton (United Kingdom), 8Cognition Health Ltd. - Guildford (United Kingdom), 9University Of Turku - Turku (Finland), 10CRST Oy - Turku (Finland), 11Department of Biomedical Sciences, University of Antwerp - Antwerp (Belgium)

● POSTERS presented onsite

THEME
Clinical trials: results (continued)

P45 **A Phase 1 Study of AL003 in Healthy Volunteers and Participants with Alzheimer's disease**
Mike Ward 1, Felix Yeh 1, Hua Long 1, Tina Schwabe 1, Herve Rhinn 1, Ilaria Tassi 1, Daniel Maslyar 1, Madeline Spencer 1, Candace Hagey 1, Glenn Morrison 1, Robert Paul 1
Alector, Inc. - South San Francisco (USA)

P46 **A First-in-human Study of the anti-Sortilin antibody AL101**
Mike Ward 1, Daniel Maslyar 1, Felix Yeh 1, Hua Long 1, Michael Kurnellas 1, Emmanuel Ang 1, Amber Silva 1, Robert Paul 1
Alector Inc. - South San Francisco (USA)

P47 **Evaluation of Pharmaco EEG Outcomes in Subjects Administered Alpha-1062 a Galantamine Prodrug in a Multiple Ascending Dose Study**
Denis Kay 1, Ellen T'hart 2, Charlotte Bakker 2, Klaus Linkenkaer-Hansen 3, Frederick Sancilio 4, Bryce Ortiz 5, Simon-Shlomo Poil 6, Geert-Jan Groeneveld 7
1Alpha Cognition (canada) Inc. - Charlottetown (Canada), 2Center For Human Drug Research - Leiden (Netherlands), 3Aspect Neuroprofiles Bv & Vu Amsterdam - Amsterdam (Netherlands), 4Alpha Cognition (usa) Inc And Florida Atlantic University - Dallas (USA), 5Alpha Cognition (usa) Inc - Dallas (USA), 6Aspect Neuroprofiles Bv - Eindhoven (Netherlands), 7Center For Human Drug Research And Leiden University Medical Center - Leiden (Netherlands)

THEME
Cognitive assessment and clinical trials

P48 **Cultural Influence on CDR Scores: Comparison across Seven Geo-Cultural Groups**
Sayaka Machizawa 1, Todd Feaster 1, Jessica Stenclik 1, Zinan Chen 1, Danielle Digregorio 1
Signant Health - Blue Bell (USA)

P49 **Geo-Cultural Influences on MMSE Total Score in Alzheimer's Disease Trials**
Jessica Stenclik 1, Sayaka Machizawa 1, Zinan Chen 1, Todd Feaster 1
Signant Health - Blue Bell (USA)

P50 **Different methods of identifying rapid cognitive decliners for Alzheimer's Disease**
Haiyang Zhang 1, Jason Goode 1, Michael Donahue 2, Ali Torkamani 3, Jared Cara 1, Julie Collens 1
1Vivid Genomics - San Diego (USA), 2University Of Southern California - Los Angeles (USA), 3Scripps Research Institute - San Diego (USA)

P51 **Quick Dementia Rating System and its relationship to neuropsychological scores and biomarkers**
Kevin Duff 1, Deborah Levine 2, Bruno Giordani 2, Angie Fagerlin 1, Nicole Fowler 3, John Hoffman 1
1University Of Utah - Salt Lake City, UT (USA), 2University Of Michigan - Ann Arbor, MI (USA), 3Indiana University - Bloomington, IN (USA)

P52 **Can scores on the Repeatable Battery for the Assessment of Neuropsychological Status predict amyloid deposition?**
Kevin Duff 1, Kayla Suhrie 1, Dustin Hammers 2, Ava Dixon 1, John Hoffman 1
1University Of Utah (USA), 2Indiana University (USA)

P53 **Detection of Pre-clinical Alzheimer's Disease with Simultaneous Modeling of Underlying Cognitive Processes in Recall and Recognition Tests**
Jason Bock 1, Michael Lee 2, William Shankle 1, 2, 3, Junko Hara 1, 3, Dennis Fortier 1, Tushar Mangrola 1
1Embic - Newport Beach (USA), 2Dept. Of Cognitive Sciences, University Of California At Irvine - Irvine (USA), 3Pickup Family Neuroscience Institute, Hoag Memorial Hospital - Newport Beach (USA)

P54 **An exploration of minimal clinically important differences for cognitive outcomes in preclinical and prodromal stages – implications for clinical AD trials**
Emma Borland 1, Chris Edgar 2, Erik Stomrud 1, Nicholas Cullen 1, Oskar Hansson 1, Sebastian Palmqvist 1
1Lund University - Lund (Sweden), 2Cogstate - London (United Kingdom)

● POSTERS presented onsite

P57 The Amsterdam Instrumental Activities of Daily Living Questionnaire: Validation of a clinically meaningful outcome measure in asymptomatic and early symptomatic Alzheimer's disease

Mark Dubbelman 1, Merel Postema 1, Philip Scheltens 1, Wiesje Van Der Flier 1, 2, Sietske Sikkes 1, 3

1Alzheimer Center Amsterdam, Department Of Neurology, Amsterdam Neuroscience, Vrije Universiteit Amsterdam, Amsterdam Umc - Amsterdam (Netherlands), 2Department of Epidemiology and Biostatistics, Amsterdam UMC - Amsterdam (Netherlands), 3Department of Clinical, Neuro- & Developmental Psychology, Vrije Universiteit Amsterdam - Amsterdam (Netherlands)

P58 Monthly at-home computerized cognitive testing to detect diminished practice effects in preclinical Alzheimer's disease

Roos J. Jutten 1, Dorene M. Rentz 1, 2, Rebecca E. Amariglio 1, 2, Rachel F. Buckley 1, 2, 3, Michael J. Properzi 1, Paul Maruff 4, 5, Craig E. Stark 6, Michael A. Yassa 6, Keith A. Johnson 1, Reisa A. Sperling 1, 2, Kathryn V. Papp 7, 2

1Department Of Neurology, Massachusetts General Hospital, Harvard Medical School - Boston (USA), 2Department Of Neurology, Brigham and Women's Hospital, Harvard Medical School - Boston (USA), 3Melbourne School of Psychological Sciences, University of Melbourne - Melbourne (Australia), 4The Florey Institute Of Neuroscience And Mental Health - Melbourne, Vic (Australia) - Melbourne (Australia), 5Cogstate Ltd. - Melbourne (Australia), 6University Of California, Irvine - Irvine (USA), 7Department Of Neurology, Massachusetts General Hospital, Harvard Medical School - Boston (USA)

P59 Use of app-based cognitive assessments during the COVID-19 pandemic: adherence and acceptability among cognitively normal older adults

Louisa Thompson 1, Karra Harrington 2, Nelson Roque 3, Jennifer Strenger 1, Stephen Correia 1, Richard Jones 1, Stephen Salloway 1, Martin Sliwinski 2

1Brown University Medical School - Providence (USA), 2Penn State University - University Park (USA), 3University Of Central Florida - Orlando (USA)

THEME
Epidemiology and clinical trials

P61 Estimates of Frontotemporal Dementia by geographic regions

Cai Gillis 1, Flavia Nery 1, Ellen Huang 1, Elena Ratti 1, Dana Flanders 2, Cathy Lally 3

1Biogen - Cambridge, Ma (USA), 2Emory University, Rollins School Of Public Health, - Atlanta, Ga (USA), 3Epidemiologic Research & Methods, Llc - Atlanta, Ga (USA)

P63 Distribution and baseline characteristics of participants with rapid progressing Alzheimer's Disease as measured by CDR-SB over 78 weeks in the National Alzheimer's Coordinating Center (NACC)

Cai Gillis 1, Nancy Maserejian 1, Ryan Miller 1

Biogen - Cambridge, MA (USA)

THEME
Digital health/E-trials

P64 PROSPECT-AD- Population-based scReening Over SPEech for Clinical Trials in AD

Alexandra König 1, Nicklas Linz 2, Craig Ritchie 3, Stefan Teipel 4, Bruno Dubois 5, Stephanie Bombois 5, Marc Teichmann 5, Sebastian Palmqvist 6, Oskar Hansson 6

1Institut National De Recherche En Informatique Et En Automatique (inria). Stars Team. Sophia Antipolis. Valbonne. France. - Valbonne (France), 2Ki:elements, Saarbrücken, Germany. - Saarbrücken (Germany), 3Edinburgh Dementia Prevention, University Of Edinburgh, Edinburgh, Uk. - Edinburgh (United Kingdom), 4German Center For Neurodegenerative Diseases (dzne), Rostock, Germany; Department Of Psychosomatic And Psychotherapeutic Medicine, University Of Rostock, Rostock, Germany. - Rostock (Germany), 5Hôpital Universitaire Pitié Salpêtrière, Institut De La Mémoire Et De La Maladie D'alzheimer – Im2a, Paris, France. - Paris (France), 6Clinical Memory Research Unit, Department Of Clinical Sciences, Malmö, Lund University, Lund, Sweden - Lund (Sweden)

P65 Optimizing paths for efficient use of digital health technologies in PD clinical trials: The Critical Path for Parkinson's 3DT initiative

Derek Hill 1, Martijn Müller 2, Jesse Cedarbaum 3, Josh Cosman 4, Lauren Oliva 5, Mark Frasier 6, Marissa Dockendorf 7, Ariel Dowling 8, Kirsten Taylor 9, Emily Kunka 10, Caldeira Caldeira 11, Ray Dorsey 12, Diane Stephenson 2

1University College Of London - London (France), 2Critical Path Institute - Tucson (USA), 3Coeruleus Clinical Sciences - Woodbridge (USA), 4Abbvie - Cambridge (USA), 5Biogen - Cambridge (USA), 6The Michael J. Fox Foundation - New York (USA), 7Merck - Philadelphia (USA), 8Takeda - Social Circle (USA), 9Roche - Basel (Switzerland), 10Ucb - San Francisco (USA), 11Lundbeck - Copenhagan (Denmark), 12University Of Rochester - Rochester (USA)

P66 Reducing sources of variability of Digital Health Technologies in clinical trials by adding environmental context

Derek Hill 1, Tri Thanh Tam Tran 1, Nicolas Defranoux 1, Alizee Devaux 1, Souleymen Sahnoun1

Panoramic Digital Health - Grenoble (France)

POSTERS presented onsite

Digital health/E-trials (continued)

P67 Remote self-administration of cognitive tests in older adults with and without subjective cognitive decline using the BAC tablet-based ePRO platform

Alexandra Atkins 1, Mike Kraus 1, Matthew Welch 1, Joshua Yuan 1, Heather Stevens 1, Philip Harvey 2, Kathleen Welsh-Bohmer 3, 4, Richard Keefe 5, 4

1Verasci - Durham (USA), 2University Of Miami Miller School Of Medicine - Miami (USA), 3Verasci - Durham (USA minor outlying islands) - Durham (USA), 4Duke University Medical Center - Durham (USA), 5Verasci - Durham (USA) - Durham (USA minor outlying islands)

THEME
Health economics and clinical trials

P68 Staying sharp beyond the age of 65 years: A social marketing approach to the promotion of cognitive health in Luxembourg

Mathilde Barbier 1, Anna Elena Kornadt 1, Carine Federspiel 2, Jean-Paul Steinmetz 2, Claus Vögele 1

1University Of Luxembourg - Esch-Sur-Alzette (Luxembourg), 2Zitha - Luxembourg (Luxembourg)

P69 Understanding Treatment Goals for Patients and Caregivers with Alzheimer's Disease Along the Continuum of the Disease Consideration in Clinical Trial Design

David Gomez-Ulloa D 1, M Chris Runken 2, Wilton I Rodriguez 2, Basilio Hernandez 1, E Anne Davis 3, Paul Nisbet 4

1Grifols - Sant Cugat Del Vallès (Spain), 2Grifols Ssna - Research Triangle Park, Nc (USA), 3Xcenda - Palm Harbor (USA), 4One Research, Llc - Charleston, Sc (USA)

THEME
New therapies and clinical trials

P70 Phase I single (SAD) and Multiple Ascending Dose (MAD) studies evaluating the safety, tolerability Pharmacokinetics (PK) and Pharmacodynamics (PD) of YTX-7739, a novel brain penetrant small molecule SCD inhibitor, in healthy subjects

Ajay Verma 1, Brigitte Robertson 1

Yumanity Therapeutics - Boston (USA)

P71 Design of INFRONT-3: A Phase 3 Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Efficacy and Safety of AL001 IN FTD-GRN

Sam Jackson 1, Michael Ward 1, Yijie Liao 1, Brian Mangal 1, Felix Yeh 1, Whedy Wang 1, Robert Paul 1

Alector - South San Francisco, Ca (USA)

P72 External Counterpulsation (Renew™ NCP-5 Device) for the Treatment of MCI due to Alzheimer's Disease or Mild Dementia of the Alzheimer's Type: A Pivotal Trial

Patrick Moriarty1, Lauryn Gorby1, David Salat2, Jeffrey Burns3, Tom Moreno 4, Jonathan Helfgott4

1University Of Kansas Medical Center - Kansas City (USA), 2Harvard Medical School - Boston (USA), 3Kansas University Alzheimer's Disease Center - Kansas City (USA), 4Renew Research - Farmington Hills (USA)

THEME
Proof of concept/Translational research for Alzheimer Drug Development interventions

P73 Alzheimer's disease prevention Within Reach by 2025: Targeted-Risk-AD-Prevention (TRAP) Strategy

Francesca Vitali 1, 2, 3, Gregory L. Branigan 1, 4, 5, Roberta D. Brinton 1, 6, 2

1Center For Innovation In Brain Science, University Of Arizona - Tucson (USA), 2Department of Neurology, University of Arizona - Tucson (USA), 3Center for Biomedical Informatics and Biostatistics, University of Arizona - Tucson (USA), 4Department of Pharmacology - Lawrence (USA), 5MD-PhD training program, College of Medicine, University of Arizona - Tucson (USA), 6Department of Pharmacology - Tucson (USA)

P74 An optimized Amyloid beta (Abeta) vaccine that safely drives immunity to the key pathological species of Alzheimer's disease (AD)

Marija Vukicevic 1, Emma Fiorini 1, Rakel Carpintero 1, Marcela Rincon 1, Pilar Lopez-Deber 1, Nicolas Piot 1, Maxime Ayer 1, Inmaculada Rentero 1, Stefanie Siegert 1, Eva Gollwitzer 1, Sophie Bravo-Veyrat 1, Valérie Giriens 1, Catherine Morici 1, Marie-Gabrielle Beuzelin 1, Anthony Gesbert 1, Sébastien Rivot 1, Saskia Delpretti 1, Johannes Streffer 1, 2, Andrea Pfeifer 1, Marie Kosco-Vilbois 1

1Ac Immune Sa - Lausanne (Switzerland), 2University of Antwerp - Antwerp (Belgium)

POSTERS presented remotely

AD clinical trials and COVID-19

RP1   Dementia research participation and patient preferences during the COVID-19 pandemic
Lucianne Dobson 1, Floey Urban 1, Ross Paterson 1, Sebastian Crutch 1, Suzie Barker 1, Cath Mummery1
Dementia Research Centre, National Hospital For Neurology And Neurosurgery, Queen Square, University College London And University College London Hospital - London (United Kingdom)

Animal model and clinical trial

RP2   FAM171A2 associates with Alzheimer's disease by functioning as a carrier that facilitates Aβ42 clearance through cerebral endothelium
Han Sida 1, Yu Jintai 1, Cui Mei 1, Dong Qiang 1
Department Of Neurology, Huashan Hospital, Fudan University - Shanghai (China)

Behavioral disorders and clinical trials

RP3   Pharmacological treatment of neuropsychiatric symptoms of dementia: a network meta- analysis
Jin-Tai Yu, *Huashan Hospital, Fudan University - Shanghai (China)*

Clinical trials: cognitive and functional endpoints

RP4   Improving Screening Efficiency Through Alternate Story Recall
Thomas Doherty 1, Robert Smith 2, Michael Smith 3, Shau-Yu Lynch 4, Jeri Morris 5, Chad Swanson 4
1Worldwide Clinical Trials - London, England (United Kingdom), 2Worldwide Clinical Trials - Canet, France (United Kingdom), 3Worldwide Clinical Trials - Charlotte, Nc (United Kingdom), 4Eisai Inc. - Woodcliff Lake, Nj (USA), 5Roosevelt University Chiacgo - Chiacgo, Il (USA)

Clinical trials: imaging

RP5   Comparison of CT and MRI based standardized uptake value ratio for the amyloid PET analysis in subjective cognitive decline and mild cognitive impairment subjects
Dong Won Yang 1, Yun Jeong Hong 1, Junghee Cho 1, Young Chul Youn 1
Department Of Neurology, College Of Medicine, The Catholic University Of Korea - Seoul (Korea, Republic of)

RP6   Diagnostic performance for Alzheimer's Disease of the deep learning-based classification system using brain magnetic resonance imaging
Bae Jong Bin 1, Kim Ki Woong 1
Seoul National University Bundang Hospital - Seongnam-Si (Korea, Republic of)

P18   Mild behavioral impairment correlates of cognitive impairments in older adults without dementia: Mediation by amyloid pathology
Yan Sun 1, Jintai Yu 2, Lan Tan 3
1Department Of Neurology, Qingdao Municipal Hospital, Qingdao University, Qingdao, China. - Qingdao (China), 2Department Of Neurology And Institute Of Neurology, Huashan Hospital, State Key Laboratory Of Medical Neurobiology And Moe Frontiers Center For Brain Science, Shanghai Medical College, Fudan University, Shanghai, China. - Shanghai (China), 3Department Of Neurology And Institute Of Neurology, Huashan Hospital, State Key Laboratory Of Medical Neurobiology And Moe Frontiers Center For Brain Science, Shanghai Medical College, Fudan University, Shanghai, China. - Qingdao (China)

Clinical trials: biomarkers including plasma

RP7   Levels of circulating memory CD8 T cells that induce AD-like pathology in mice correlate with cognition and decreased CSF Abeta42 in patients
Christopher Wheeler 1, 2, Debby Van Dam 3, 4, Yannick Vermeiren 3, 4, Hans De Reu 3, Peter Paul De Deyn 3, 4, Vicky Yamamoto 5, 2
1T-Neuro Pharma, Inc. - Aptos (USA), 2Brain Mapping Fndn. - Pacific Palisades (USA), 3University Of Antwerp - Antwerp (Belgium), 4University of Groningen - Groningen (Netherlands), 5University Of Southern California - Los Angeles (USA)

● POSTERS presented remotely

RP8
Serum Inflammatory biomarkers in Mild vs Moderate patients undergoing therapeutic plasma exchange with albumin replacement as a treatment for Alzheimer's disease

Ana María Ortiz 1, Carla Minguet 1, Ricardo Gonzalo 1, Laura Núñez 1, Agustín Ruiz 2, 3, Oscar L López 4, Mercè Boada 2, 5, Antonio Páez 1, Montserrat Costa 1

1. grifols Bioscience Research - Barcelona (Spain), 2. research Center And Memory Clinic, Fundació Ace, Institut Català De Neurociències Aplicades-Universitat Internacional De Catalunya - Barcelona (Spain), 3. Centro de Investigación Biomédica en Red de Enfermedades Neurodegenerativas (CIBERNED), Instituto de Salud Carlos III - Madrid (Spain) - Madrid (Spain), 4. departments Of Neurology And Psychiatry, University Of Pittsburgh School Of Medicine - Pittsburgh (USA), 5. Centro de Investigación Biomédica en Red de Enfermedades Neurodegenerativas (CIBERNED), Instituto de Salud Carlos III - Madrid (Spain)

RP9
A polygenic risk score is associated with Alzheimer's brain pathology in an age-dependent manner

Joseph Quinn 1, Chao-Yi Wu 1, Sahi Kolli 2, Nora Mattek 3, Randall Woltjer 3, Shawn Westaway 3, Jeffrey Kaye 3, Kelly Bakulski 4, Hiroko Dodge 4

1Department Of Neurology, Layton Aging And Alzheimer's Disease Center, Oregon Health & Science University - Portland (USA), 2International Business Machines (ibm) - New York (USA), 3Department Of Neurology, Layton Aging And Alzheimer's Disease Center, Oregon Health & Science University - Portland, Or (USA), 4Department Of Epidemiology At The University Of Michigan School Of Public Health And Michigan Alzheimer's Disease Center - Ann Arbor (USA)

RP10
Longitudinal Tau Accumulation in Alzheimer's disease: Prospective 5-year Follow-up Study

Hanna Cho 1, Min Seok Baek 2, Han-Kyeol Kim 1, Jae Hoon Lee 3, Joong-Hyun Chun 4, Young Hoon Ryu 3, Chul Hyoung Lyoo 1

1Department Of Neurology, Gangnam Severance Hospital, Yonsei University College Of Medicine - Seoul (Korea, Republic of), 2Department Of Neurology, Wonju Severance Christian Hospital, Yonsei University Wonju College Of Medicine - Wonju (Korea, Republic of), 3Department Of Nuclear Medicine, Gangnam Severance Hospital, Yonsei University College Of Medicine - Seoul (Korea, Republic of), 4Department Of Nuclear Medicine, Severance Hospital, Yonsei University College Of Medicine - Seoul (Korea, Republic of)

RP11
Assessment of High Risk for Alzheimer's Disease Using Plasma Biomarkers in Subjects with Normal Cognition in Taiwan

Shieh-Yueh Yang 1

Magqu Co., Ltd. - New Taipei City (Taiwan, Province of China)

RP12
Evidence of plasma biomarkers for high risk of dementia in cognitively normal subjects of post stroke, family history of Alzheimer's disease, diabetes mellitus, end-stage renal disease and obstructive sleep apnea

Shieh-Yueh Yang 1

Magqu Co., Ltd. - New Taipei City (Taiwan, Province of China)

RP13
Dynamic changes of CSF sTREM2 in preclinical Alzheimer's disease: The CABLE study

Lingzhi Ma 1

Department Of Neurology, Qingdao Municipal Hospital, Qingdao University, Qingdao, China (China)

RP13bis
Cerebrospinal fluid platelet-derived growth factor receptor-β measured in BioFINDER 2: a marker of microvascular damage?

Claudia Cicognola 1, 2, Shorena Janelidze 1, Danielle Van Westen 3, 4, Khazar Ahmadi 1, Oskar Hansson 1, 2

1Clinical Memory Research Unit, Lund University (Sweden), 2Memory Clinic, Skåne University Hospital (Sweden), 3Diagnostic Radiology, Department Of Clinical Sciences Lund, Lund University (Sweden), 4Image and Function, Skåne University Hospital, Malmö (Sweden)

P21
Plasma Neurofilament Light and Longitudinal Progression of White Matter Hyperintensity in Elderly Persons Without Dementia

Yan Sun 1, Jintai Yu 2, Lan Tan 3

1Department Of Neurology, Qingdao Municipal Hospital, Qingdao University, Qingdao, China. - Qingdao (China), 2Department Of Neurology And Institute Of Neurology, huashan hospital, Shanghai Medical College, Fudan University, Shanghai, China - Shanghai (China), 3Department Of Neurology, Qingdao Municipal Hospital, Qingdao University, Qingdao, China - Qingdao (China)

THEME
Clinical trials: methodology

RP14
The ADataViewer: Exploring Alzheimer's Disease Cohort Data

Yasamin Salimi 1, 2, Daniel Domingo-Fernándéz 1, Carlos Bobis-Álvarez 3, Martin Hofmann-Apitius 1, 2, Colin Birkenbihl 1, 2

1Department Of Bioinformatics, Fraunhofer Institute For Algorithms And Scientific Computing (scai) - Sankt Augustin (Germany), 2Bonn-Aachen International Center for IT, Rheinische Friedrich-Wilhelms-Universität Bonn - Bonn (Germany), 3University Hospital Ntra. Sra. De Candelaria - Santa Cruz De Tenerife (Spain)

RP15
What Might Intrinsic Changes in Screen to Baseline CDRs in Alzheimer's Clinical Trials Signify: An Exploratory Analysis

Alan Kott 1, David Miller 2

1Signant Health - Prague (Czech Republic), 2Signant Health - Blue Bell (USA)

RP15
Optimization of clinical trial design for combination therapies using virtual patients

Hugo Geerts 1, Mike Walker 2, Rachel Rose 2

1Certara - Berwyn, Pa (USA), 2Certara - Sheffield Uk (United Kingdom)

● POSTERS presented remotely

Clinical trials: methodology (continued)

RP17 Clinical Trial Protocol of Bromocriptine in Alzheimer's Disease with Presenilin 1 (PSEN1) Mutations

Haruhiko Banno 1, Takayuki Kondo 1, Taro Okunomiya 1, Yoko Amino 1, Akiyoshi Nakakura 1, Ryuji Uozumi 1, Harue Tada 1, Akihiro Shindo 2, Takakuni Maki 1, Manabu Ikeda 3, Yuishin Izumi 4, Kazutomi Kanemaru 5, Kenji Ishii 6, Kazue Shigenobu 7, Yoshihide Sunada 8, Toshifumi Watanabe 9, Osamu Uchikawa 10, Ryosuke Takahashi 1, Hidekazu Tomimoto 2, Haruhisa Inoue 1
1Kyoto University - Kyoto (Japan), 2Mie University - Tsu (Japan), 3Osaka University - Suita (Japan), 4Tokushima University - Tokushima (Japan), 5Tokyo Metropolitan Geriatric Medical Center - Tokyo (Japan), 6Tokyo Metropolitan Institute Of Gerontology - Tokyo (Japan), 7Asakayama Hospital - Sakai (Japan), 8Kawasaki Medical School - Kurashiki (Japan), 9Time Therapeutics, Inc. - Kyoto (Japan), 10Towa Pharmaceutical Co.,ltd. - Osaka (Japan)

P29 Effects of Exclusion Criteria on Disease Modifying Clinical Trials for Alzheimer's Disease

Aaron Ritter 1, Joel Adu-Brimpong 1, Marwan Sabbagh 1, Jiong Shi 1, Justin Miller 1, Jessica Caldwell 1
Cleveland Clinic - Las Vegas (USA)

Clinical trials: results

RP18 Fortasyn Connect's long-term intervention effects on Clinical Dementia Rating – sum of boxes and on memory in the LipiDiDiet RCT

Tobias Hartmann 1, 2, Alina Solomon 3, 4, 5, Pieter Visser 6, 7, Suzanne Hendrix 8, Kaj Blennow 9, 10, Miia Kivipleto 3, 4, 5, Hilkka Soininen 3, 11
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8Pentara Corporation - Millcreek (USA), 9Department Of Psychiatry And Neurochemistry, Institute Of Neuroscience And Physiology, The Sahlgrenska Academy At University Of Gothenburg - Mölndal (Sweden), 10Clinical Neurochemistry Laboratory, Sahlgrenska University Hospital - Mölndal (Sweden), 11Neurocentre, Department of Neurology, Kuopio University Hospital - Kuopio (Finland)*

RP19 Validation of exposure-dependent activity on cognitive and functional decline confirms hydromethylthionine as a potential near-term oral treatment for Alzheimer's disease (AD)

Claude Wischik 1, 2, Helen Shiells 1, Bjoern Schelter 1, 2
1Taurx Therapeutics Ltd - Aberdeen (United Kingdom), 2University of Aberdeen - Aberdeen (United Kingdom)

Cognitive assessment and clinical trials

RP20 Association between a computerized, self-administered cognitive assessment and fluid biomarkers of neurodegeneration

Mina Aghaei 1, Mohammad Hadi Modarres 2, Zahra Vahabi 3, 4, Chris Kalafatis 5, 6, 7, Haniye Marefat 8, Mahdie Khanbagi 1, Hamed Karimi 9, 1, Seyed-Mahdi Khaligh-Razavi 2, 1
1Royan Institute For Stem Cell Biology And Technology, Acecr - Tehran (Iran, Islamic Republic of), 2Cognetivity Ltd - London (United Kingdom), 3Department Of Geriatric Medicine, Ziaeian Hospital, Tehran University Of Medical Sciences - Tehran (Iran, Islamic Republic of), 4Memory and Behavioral Neurology Division, Roozbeh Hospital, Tehran University of Medical Sciences - Tehran (Iran, Islamic Republic of), 5South London & Maudsley Nhs Foundation Trust - London (United Kingdom), 6Department of Old Age Psychiatry, King's College London - London (United Kingdom), 7Cognetivity ltd - London (United Kingdom), 8School Of Cognitive Sciences, Institute For Research In Fundamental Sciences (ipm) - Tehran (Iran, Islamic Republic of), 9Department Of Mathematics And Computer Science, Amirkabir University Of Technology - Tehran (Iran, Islamic Republic of)

RP21 The development of ObsRVR: an Observational Instrument to measure Reactions of People with Dementia Experiencing Virtual Reality

Lora Appel 1, Erika Kisonas 2, Eva Appel 2
1York University - Toronto (Canada), 2University Health Network - Toronto (Canada)

RP22 Psychometric validation of the Brief And Simple Index of Cognition (BASIC) and sensitivity to cognitive impairment in individuals living with MCI and Alzheimer's disease

Anna Barczak 1, Sebastian Harrison 2, Ninoslav Mimica 3, John Harrison 4
1Mossakowski Medical Research Centre - Warszawa (Poland), 2Manchester Metropolitan University - Manchester (United Kingdom), 3University Psychiatric Hospital Vrapce - Zagreb (Croatia), 4Metis Cognition Ltd - Kilmington (United Kingdom)

RP23 Tau pathologies mediate the association of blood pressure with cognitive impairment in adults without dementia: The CABLE study

Hu Hao 1, Tan Lan 1, Yu Jin-Tai 2
1Qingdao University - Qingdao (China), 2Fudan University - Shanghai (China)

POSTERS presented remotely

RP24   Identification of novel drug targets for Alzheimer's disease by integrating genetics and proteomes from brain and blood

Jin-Tai Yu 1
Department Of Neurology And Institute Of Neurology, Huashan Hospital, State Key Laboratory Of Medical Neurobiology And Moe Frontier Center For Brain Science, Shanghai Medical College, Fudan University - Shanghai (China)

RP25   Sigmoid methodology allows early prediction of cognitive decline towards Alzheimer's disease across several cognitive domains

Marcela Cespedes 1, Cai Gillis 2, Paul Maruff 3, 4, Nancy Maserejian 2, Chris Fowler 5, Stephanie Rainey-Smith 6, 7, Victor Villemagne 8, 9, Christopher Rowe 5, 10, Ralph Martins 7, 9, 11, Colin Masters 5, James Doecke 1
1Australian E-Health Research Centre, Csiro - Herston, Qld (Australia), 2Biogen - Cambridge, Ma (USA), 3Cogstate Pty. Ltd - New Haven, Ct (USA), 4University of Melbourne - Parkville, Vic (Australia), 5The Florey Institute Of Neuroscience And Mental Health, University Of Melbourne - Parkville, Vic (Australia), 6Centre For Healthy Ageing, Health Futures Institute, Murdoch University - Murdoch, Western Australia (Australia), 7Centre of Excellence for Alzheimer's Disease Research and Care, School of Medical and Health Sciences, Edith Cowan University - Joondalup, Western Australia (Australia), 8Department Of Molecular Imaging And Therapy, Austin Health - Heidelberg, Victoria (Australia), 9Department of Psychiatry, The University of Pittsburgh - Pittsburgh, Pa (USA), 10Department of Biomedical Sciences, Faculty of Medicine, Health and Human Sciences, Macquarie University - Sydney, New South Wales (Australia), 11Sir James McCusker Alzheimer's Disease Research Unit (Hollywood Private Hospital) - Perth, Western Australia (Australia)

P55   Evaluation relationships between subjective wellbeing, personality traits, and Alzheimer's disease: A two-sample Mendelian randomization study

Ya-Hui Ma 1, Yu-Xiang Yang 2, Qiang Dong 2, Lan Tan 3, Jin-Tai Yu 2
1Qingdao Municipal Hospital, College Of Clinical Medicine, Qingdao University - Qingdao (China), 2Fudan University - Shanghai (China), 3Qingdao Municipal Hospital, College Of Clinical Medicine, Qingdao University - Shanghai (China)

P56   Serum uric acid may aggravate Alzheimer's disease risk by affecting amyloidosis in cognitively intact older adults: The CABLE study

Lin-Lin Li 1, Ya-Hui Ma 2, Jin-Tai Yu 3
1Dalian Medical University - Dalian (China), 2Qingdao Municipal Hospital, College of Clinical Medicine, Qingdao University - Qingdao (China), 3Fudan University - Shanghai (China)

P60   Metabolically healthy obesity and lipids may be protective factors for pathological changes of Alzheimer's disease in cognitively normal adults

Shu-Juan Huang 1, Ya-Hui Ma 1, Lan Tan 1, Jin-Tai Yu 2
1Qingdao Municipal Hospital, Qingdao University - Qingdao (China), 2Fudan University - Shanghai (China)

THEME
Digital health/E-trials

RP26   Evaluation of efficacy and cost-effectiveness of promotions for recruiting online participants to Japanese Trial-Ready Cohort (J-TRC) study

Kenichiro Sato 1, Yoshiki Niimi 2, Ryoko Ihara 3, Kazushi Suzuki 4, Atsushi Iwata 3, Takeshi Iwatsubo 1
1University Of Tokyo - Bunkyo City (Japan), 2University Of Tokyo Hospital - Bunkyo City (Japan), 3Tokyo Metropolitan Geriatric Medical Center Hospital - Itabashi City (Japan), 4National Defense Medical College - Tokorozawa City (Japan)

RP27   Decision-Making and Reactions on Genetic Testing in Alzheimer's Disease among Patients, Caregivers, and Healthcare Professionals

Amir Tahami 1, Stephen Doogan 2, Nardin Farid 2, Margaret Bray 1, Esra Karahan 1, Quanwu Zhang 1
1Eisai - Woodcliff Lake, NJ (USA), 2Real Life Sciences - King Of Prussia, PA (USA)

RP28   Amyloid Prediction in Early-Stage Alzheimer's Disease From Acoustic and Linguistic Patterns of Speech: design of the AMYPRED studies

Emil Fristed 1, Marton Meszaros 1, Caroline Skirrow 1, Jack Weston 1
Novoic - London (United Kingdom)

RP29   A Multi-modal Curriculum on Dementia-related Psychosis for the Public: A Randomized Trial

Nabeel Saif 1, Kellyann Niotis 1, Ciara Gaglio 1, Richard Isaacson 1
Weill Cornell Medicine - New York (USA)

RP30   Comparison of the accuracy of Cogniciti's self-administered, online, Brain Health Assessment to the Montreal Cognitive Assessment in detecting amnestic mild cognitive impairment

Theone Paterson 1,2, Brintha Sivajohan 3, Sandra Gardner 4, Malcolm Binns 5, Kathryn Stokes 2, Morris Freedman 6,5,7, Brian Levine 5,8, Angela Troyer 2
1University Of Victoria - Victoria (Canada), 2Baycrest Health Sciences Centre - Toronto (Canada) - Toronto (Canada), 3Western University - London (Canada), 4Baycrest Health Sciences Centre - Toronto (Canada), 5Rotman Research Institute - Toronto (Canada), 6Baycrest Health Sciences Centre-Toronto (canada) - Toronto (Canada), 7Toronto Dementia Research Alliance - Toronto (Canada), 8University of Toronto - Toronto (Canada)

RP31   "ComuniChiAmo": an e-Health pilot study for the development of a comunity support network for carers of people with dementia

Cristina Festari 1, Stefania Orini 2, Anna Mega 1, Cristina Muscio 3, Pietro Tiraboschi 3, Marco Trabucchi 4, 5, Orazio Zanetti 2, Rabih Chattat 6
1Laboratory Of Alzheimer's Neuroimaging And Epidemiology At The Istituto Centro San Giovanni Di Dio Fatebenefratelli (italy) - Brescia (Italy), 2Irccs Istituto Centro San Giovanni Di Dio Fatebenefratelli, Brescia, Italy - Brescia (Italy), 3Neurology 5-Neuropathology Unit, Fondazione Irccs Istituto Neurologico Carlo Besta, Italy - Milan (Italy), 4Department Of Pharmacology, Tor Vergata University, Rome, Italy - Rome (Italy), 5 Associazione Italiana di Psicogeriatria, Brescia, Italy. - Brescia (Italy), 6Department Of Psychology, University Of Bologna, Bologna, Italy. - Bologna (Italy)

RP32   VRCT: Randomized Controlled Trial Evaluating the Impact of Virtual Reality-therapy on BPSD and QoL of Acute Care In-patients With Dementia

Lora Appel 1, Eva Appel 2, Erika Kisonas 2, Jarred Rosenberg 3, Julian Appel 4, Christopher Smith 3
1York University - Toronto (Canada), 2University Health Network - Toronto (Canada), 3Michael Garron Hospital - Toronto (Canada), 4Ryerson University - Toronto (Canada)

● POSTERS presented remotely

Health economics and clinical trials

RP33   Using ARIA to detect cognitive normal subjects with high burden WMH for early prevention clinical trials of dementia – suggestions based on a simulation trial

Jianlin Liang
Chinese University of Hong Kong, Hong Kong (China)

THEME
Epidemiology and clinical trials

RP34   Association of body mass index with risk of cognitive impairment and dementia: A systematic review and meta-analysis of prospective studies

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1Department Of Neurology, Qingdao Municipal Hospital, Qingdao University, Qingdao, China - Qingdao (China), 2Department Of Neurology And Institute Of Neurology, Huashan hospital, Shanghai Medical College, Fudan University, Shanghai, China - Shanghai (China)

RP35   Modifiable Risk Factors for Incident Dementia and Cognitive Impairment: An Umbrella Review of Evidence

Jin-Tai Yu 1
Department Of Neurology and Institute Of Neurology, Huashan Hospital, State Key Laboratory Of Medical Neurobiology And Moe Frontiers Center For Brain Science, Shanghai Medical College, Fudan University - Shanghai (China)

RP36   Global prevalence of Alzheimer's disease across disease stages

Anders Gustavsson 1, Nicholas Norton 2, Thomas Fast 2, Lutz Frölich 3, Drew Holzapfel 4, Tunahan Kirabali 5, Pierre Krolak-Salmon 6, Paolo Maria Rossini 7, Lydia Lanman 8, Antonella Santuccione Chadha 5, Wiesje M. Van Der Flier 9
1Quantify Research; Department Of Neurobiology, Care Sciences And Society, Karolinska Institute - Stockholm (Sweden), 2Quantify Research - Stockholm (Sweden), 3Department Of Geriatric Psychiatry, Central Institute Of Mental Health Medical Faculty Mannheim, University Of Heidelberg - Mannheim (Germany), 4Ceo Initiative On Alzheimer's Disease - Philadelphia (USA), 5Biogen - Baar (Switzerland), 6Lyon Institute For Elderly, Clinical & Research Memory Center Of Lyon - Lyon (France), 7Faculty Of Medicine Of The Catholic University Of The Sacred Heart; Neuroscience Area Of Policlinico Foundation A. Gemelli. - Rome (Italy), 8F. Hoffmann-La Roche - Basel (Switzerland), 9Alzheimer Center Amsterdam, Department Of Neurology, Department Of Epidemiology And Data Science, Amsterdam Neuroscience, Vrije Universiteit Amsterdam, Amsterdam Umc - Amsterdam (Netherlands)

RP37   Association between Widespread Pain and Dementia, Alzheimer's disease and Stroke: A Cohort Study from the Framingham Heart Study

Kanran Wang 1
The First Affiliated Hospital of Chongqing Medical University - Chongqing (China)

RP38   Genetically determined blood pressure, antihypertensive medications, and risk of Alzheimer's disease: a Mendelian randomization study

Ya-Nan Ou 1, Lan Tan 1, Jin-Tai Yu 2
1Department Of Neurology, Qingdao Municipal Hospital, Qingdao University - Qingdao (China), 2Department Of Neurology And Institute Of Neurology, Who Collaborating Center For Research And Training In Neurosciences, Huashan Hospital, Shanghai Medical College, Fudan University - Shanghai (China)

THEME
New therapies and clinical trials

RP39   Alpha-1 antitrypsin variants and obstructive sleep apnea: practical targets for modulating inflammation and altering trajectory of MCI/dementia

Donald Schmechel 1
Acrossalpha; Neurology Specialists Of Charleston - Burnsville

RP40   A randomized, placebo-controlled, double-blind, single ascending dose study to evaluate the safety, tolerability and pharmacokinetics of a subcommissural organ-spondin-derived peptide in healthy volunteers

Valérie Bourdès 1, Peter Dogterom 2, Pierre Parmantier 3, Damien Colas 3, Sighild Lemarchant 1, Sébastien Marie 1, Khalid Abd-Elaziz 2, Yann Godfrin 4
1Axoltis - Lyon (France), 2QPS Netherlands B.V - Groningen (Netherlands), 3Athena Bio Consulting - Lyon (France), 4Godfrin Life Sciences - Caluire-et-Cuire (France)

RP41   Microdose Study of a Novel Psychostimulant Prodrug, PRX-P4-003, with Reduced Abuse Liability for Apathy in AD

William Ziegler Potter 1, Valentino Stella 1, 2, Sandeep Patil 1
1Praxis Bioresearch - Sacramento (USA), 2University of Kansas - Lawrence (USA)

● POSTERS presented remotely

THEME
Proof of concept/Translational research for Alzheimer Drug Development interventions

RP42 Inhibition of the equilibrative nucleoside transporter 1 (ENT1) rescues cognitive impairment and misfolded protein accumulation in two mouse models with distinct features of Alzheimer's disease pathology
Ching-Pang Chang 1, 2, Chien-Yu Lin 1, 2, Kuo-Chen Wu 2, Hsin-Hsien Yeh 3, Chun-Jung Lin 4, Yijuang Chern 1, 2
1Institute of Biomedical Sciences, Academia Sinica - Taipei (Taiwan, Province of China), 2Biomedical Translation Research Center, Academia Sinica - Taipei (Taiwan, Province of China), 3Brain Research Center, National Yang Ming Chiao Tung University - Taipei (Taiwan, Province of China), 4School Of Pharmacy, National Taiwan University - Taipei (Taiwan, Province of China)

RP43 Targeting microRNA-485-3p blocks Alzheimer's disease progression
Hanseok Koh 1, Sangjoon Lee 2, Hyojin Lee 1, Jaewoong Min 1, Takeshi Iwatsubo 3, Charlotte Teunissen 4, Hyunjeong Cho 5, Jinhyeob Ryu 6
1Biorchestra Co., Ltd. - Daejeon (Korea, Republic of), 2University Of Tsukuba - Ibaraki (Japan), 3University Of Tokyo - Tokyo (Japan), 4Amsterdam Umc, Vu University - Amsterdam (Netherlands), 5College Of Medical Science, Konyang University - Daejeon (Korea, Republic of), 6Biorchestra Co., Ltd. - Boston (USA)

Notes