SUMMARY

Scientific program

Poster presented remotely
SYMPOSIA

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 Forster, 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)

LATE BREAKING ORAL COMMUNICATIONS

LBRI - The probabilistic model of Alzheimer disease: the amyloid hypothesis revised
Giovanni Frisoni 1, Daniele Altmare 1, Dietmar Thal 1, Federica Ribaldi 1, Rik Van Der Kant 2, Rik Ossenkoppele 3, Kaj Blennow 4, Jeffrey Cummings 5, Cornelia Van Duijn 6, Peter M. Nilsson 1, Pierre-Yves Dietrich 8, Philip Scheltens 3, Bruno Dubois 9
1University Of Geneva - Geneva (Switzerland), 2University Of Leuven - Leuven (Belgium), 3Amsterdam Umc - Amsterdam (Netherlands), 4University Of Gothenburg - Gothenburg (Sweden), 5University Of Nevada Las Vegas - Las Vegas (United States), 6Erasmus University Medical Center - Rotterdam (Netherlands), 7Skåne University Hospital - Malmö (Sweden), 8Geneva University Hospitals - Geneva (Switzerland), 9Sorbonne Université - Paris (France)
LBR2 - Baseline Embark data from Emerge, Engage, and Prime participants in the Embark re-dosing study
Sharon Cohen 1, Christopher Van Dyck 2, Catherine Mummery 3, Anton Porsteinsson 4, Jessica Kong 5, Ryan Miller 5, Annie Racine 5, John O’gorman 6, Samantha Budd Haeberlein 6, Salloway Stephen 6
1Toronto Memory Program - Toronto (Canada), 2Alzheimer’s Disease Research Unit, Yale School Of Medicine - New Haven (United States), 3Dementia Research Centre, Queen Square Institute Of Neurology, University College London - London (United Kingdom), 4University Of Rochester School Of Medicine And Dentistry - Rochester (United States), 5Biogen - Cambridge (United States), 6Alpert Medical School of Brown University - Providence (United States)

LBR3 - National Alzheimer’s Disease Clinical Trial Sites’ Accommodations to the COVID-19 Pandemic
Elizabeth Rhodus 1, Paul Aisen 2, Joshua Grill 3, Dorene Rentz 4,5, Reisa Sperling 4,5, Ronald Petersen 4, Stephen Salloway 7, Doris Pierce 8, Rema Raman 9
1Sanders-Brown Center On Aging, University Of Kentucky - Lexington (United States), 2Alzheimer’s Therapeutic Research Institute, University Of Southern California San Diego - San Diego (United States), 3University Of California, Irvine - Irvine (United States), 4Massachusetts General Hospital, Harvard Medical School - Boston (United States), 5Brigham and Women’s Hospital, Harvard Medical School - Boston (United States), 6Department Of Neurology, Mayo Clinic - Rochester (United States), 7Butler Hospital And Brown University - Providence (United States), 8Eastern Kentucky University - Richmond (United States), 9Alzheimer’s Therapeutic Research Institute, University Of Southern California, San Diego - San Diego (United States)

LBR4 - Defining a standardized MRI acquisition protocol to be proposed to ICARE AD-US sites for baseline and ARIA monitoring
Tammie, L. S. Benzinger 1, Frederik Barkhof 2, Alex Rovira 3, Tobias Kober 4, Christopher, T. Whiltlow 5, Michael Smith 6, Christina, M. Grassi 6, Elizabeth Fisher 6
1Washington University School Of Medicine, Department Of Neurology - St. Louis (United States), 2Department Of Radiology And Nuclear Medicine, Amsterdam Neuroscience, Amsterdam Umc, Vrije Universiteit - Amsterdam (Netherlands), 3Section Of Neuroradiology, Vall D’hebron University Hospital - Barcelona (Spain), 4Advanced Clinical Imaging Technology, Siemens Healthcare - Lausanne (Switzerland), 5Wake Forest School Of Medicine - Winston-Salem (United States), 6Biogen - Cambridge (United States)

LBR5 - Top-line results from TANGO, a Phase 2 study of gosuranemab in participants with mild cognitive impairment due to Alzheimer’s disease and mild Alzheimer’s disease
Melanie Shulman 1, Raj Rajagovindan 1, Jessica Kong 1, John O’gorman 1, Louis Viollet 1, Ellen Huang 1, Heike Hering 1, Elena Ratti 1, Danielle Graham 1, Samantha Budd Haeberlein 1
Biogen - Cambridge (United States)

LBR6 - Oral treatment with OLX-07010, a small molecule inhibitor of tau self-association, reduced tau aggregation to baseline in a therapeutic study of aged tau P301L JNPL3 mice
James Moe 1, Patricia Lopez 2, Heidy Jimenez-Bravar 3, Adrien Leslie 4, J Eun 3, Adam Wolin 3, Jeremy Koppel 3, Peter Davies 3, Dhruv Patel 7, Eliot Davidowitz 2
1Oligomerix, Inc. - White Plains (United States), 2Oligomerix, Inc. - Bronx (United States), 3Feinstein Institutes For Medical Research - Manhasset (United States)

LBR7 - Analyzing the CSF proteome to support decisions in an AD clinical trial program
Jan Pike 1, Sasa Koncarevic 2, Juliane Weisser 2, Michael Bremang 2, R J Tesi 3, C J Barnum 3
1Proteome Sciences Plc - London (United Kingdom), 2Proteome Sciences R&D GmbH & Co Kg - Frankfurt (Germany), 3Inmunebio - Boca Raton (United States)

LBR8 - Prediction of brain amyloid pathology using plasma Aβ42/40 ratio measured using the C2N PrecivityADTM test in the Mission AD study samples
David Verbel 1, Michelle Gee 2, June Kaplow 1, Michio Kanekiyo 1, Michael Irizarry 1, Shobha Dhadda 1, Akihiko Koyama 1, Tim West 3, Matt Meyer 3, Kris Kirmess 3
1Eisai Inc. - Hatfield (United States), 2Eisai Ltd. - Hatfield (United Kingdom), 3C 2 N Diagnostics - St. Louis (United States)

LBR9 - Evaluation of Tau deposition using 18F-PI-2620 PET in MCI and early AD – a MissionAD tau sub-study
Santiago Bullich 1, Andre Mueller 1, Susan De Santi 2, Norman Koglin 1, Stephen Krause 2, June Kaplow 2, Michio Kanekiyo 2, Núria Roé-Vellvé 1, Audrey Perrotin 1, Aleksandar Jovalekic 1, David Scott 1, Michelle Gee 2, Andrew Stephens 1, Michael Irizarry 2
1Life Molecular Imaging (Germany), 2Eisai (United States), 3Bioclinica (United States)
LBR10 - The impact of the COVID-19 pandemic on cognitive health
Helen Brooker 1, Vincent Hayman 2, Dag Aarsland 3, Byron Creese 4, Clive Ballard 5, Anne Corbett 6
1Exeter University Medical School - Exeter (United Kingdom), 2Exeter University Medical School - Exeter (United Kingdom), 3Department Of Old Age Psychiatry, Institute Of Psychiatry, Psychology & Neuroscience, Maurice Wohl Clinical Neuroscience Institute, King’s College London - London (United Kingdom)

LBR11 - Utility of plasma Aβ1–42/Aβ1–40 as a screening tool is limited due to lack of robustness
Christina Rabe 1, Tobias Bittner 1, Alexander Jethwa 3, Ivonne Suridjan 4, Ekaterina Manuilova 3, Henrik Zetterberg 5, 6, 7, Kaj Blennow 5, 6, 8
1Genentech, Inc. - South San Francisco (United States), 2F. Hoffmann-La Roche Ltd - Basel (Switzerland), 3Roche Diagnostics GmbH - Penzberg (Germany), 4Roche Diagnostics International Ltd - Rotkreuz (Switzerland), 5Department Of Psychiatry And Neurochemistry, Institute Of Neuroscience And Physiology, The Sahlgrenska Academy At The University Of Gothenburg - Mölndal (Sweden), 6Clinical Neurochemistry Laboratory, Sahlgrenska University Hospital - Mölndal (Sweden), 7Department of Neurodegenerative Disease, UCL Institute of Neurology and UK Dementia Research Institute at UCL - London (United Kingdom), 8Clinical Memory Research Unit, Department Of Clinical Sciences Malmö, Lund University - Malmö (Sweden), 9Memory Clinic, Skåne University Hospital - Malmö (Sweden)

LBR12 - Polygenic risk scores can predict early cognitive impairment as measured by the Preclinical Alzheimer Cognitive Composite (PACC) score in the ADNI cohort
Qian Gao 1, Richard Pither 1, Paula Daunt 1, Alex Gibson 1
Cytos Ltd - Oxford (United Kingdom)

LBR13 - Association of serum degraded tau biomarkers with preclinical dementia: a Mendelian randomization study
Tobias Melton Axelsen 1, 2, 3, Cecilie Liv Bager 4, Morten Asser Karsdal 4, Kim Henriksen 4, Man-Hung Eric Tang 4
1Sanos Clinic - Herlev (Denmark), 2Department of Biomedical Science - Copenhagen (Denmark), 3Nordic Bioscience A/S - Herlev (Denmark), 4Nordic Bioscience A/S - Herlev (Denmark)

LBR14 - 18F-APN-1607 Tau PET in Progressive Supranuclear Palsy-Like Symptoms Caused by TBK1 Mutations
Feng-Tao Liu 1, Tzu-Chen Yen 2, Chuan-Tao Zuo 1, Chen Yan 1, Jian Wang 1
1Huashan Hospital, Fudan University (China), 2Aprinoia Therapeutics Co., Ltd, Suzhou (China)
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)

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
1Genentech, Inc. - South San Francisco, CA (USA), 2Medavante-Prophase - Hamilton, NJ (USA)

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 5, Andrew J. Saykin 5
1University Of Washington-Seattle, WA (USA), 2Oregon Health And Science University – Portland, OR (USA), 3Rush University – Chicago, IL (USA), 4University of Washington – Seattle, WA (United States), 5Indiana 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
1Center For Innovation In Brain Science, University of Arizona – Tucson, AZ (USA), 2ADM Diagnostics, Inc – Northbrook, IL (USA), 3USC Stevens Neuroimaging and Informatics Institute, University of Southern California - Los Angeles, CA (USA), 4Monash University - Melbourne (Australia), 5Keck 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 Viejani 3
1Darmiyan, Inc. - Penzberg (Germany), 2Darmiyan, Inc. - Berlin (Germany), 3Darmiyan, Inc. - San Francisco, CA (USA)

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
1Genentech - South San Francisco, CA (USA), 2Roche - 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 Joulès 1, Michael Reinwald 1, Robin Wolz 1,3
1Ixico Plc - London (United Kingdom), 2University College London - London (United Kingdom), 3Imperial 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 2, Lee Chong 1, Rachel Mulligan 1, Svetlana Bozinovski 1, Rodney Guzman 1, Michael Kassiou 4, Jack Taylor 5, Tamara Miller 5
1Austin Health - Melbourne (Australia), 2University of Pittsburgh – Pittsburgh, OH (USA), 3CSIRO - Melbourne (Australia), 4University Of Sydney - Sydney (Australia), 5Actinogen 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

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

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

1Eli Lilly and Company - Indianapolis, IN (USA), 2Population Health Research Institute - Hamilton (Canada)
Program

Thursday, NOVEMBER 11

Presentations will be available from 8:00 am USA Eastern Standard Time

ORAL COMMUNICATIONS

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

ROC13 - T2 Protect AD: Results of a 48-Week Randomized Clinical Trial of Toriluzole 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 Agnew 1, João A Abrantes 1, Paul Jordan 1, Hanno Svoboda 1
1University Of California San Diego - La Jolla, CA (USA), 2Biohaven Pharmaceuticals - New Haven, CT (USA), 3University Of Kentucky College of Medicine - Lexington (USA), 4Yale University School of Medicine - New Haven, CT (USA), 5Brain Matters Research - Delray Beach, FL (USA), 6Alzheimer’s Disease And Memory Disorders Center at Rhode Island Hospital – Providence, RI (USA), 7University Of Rochester School Of Medicine And Dentistry – Rochester, MN (USA), 8Pentara Corporation – Millcreek, UT (USA)

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, Annamari 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)
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 13, Kaj Blennow 12,13, Mia Kivipelto 3,4,5, Hilkka Soininen 3,14
1 Deutsches Institut Für Demenz Prävention (iddp), 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)

Phase 2 Study of Tilavonemab, an Anti-tau Antibody, in Early Alzheimer’s Disease

Hana Florian 1, Delli Wang 1, Qi Guo 1, Ziyi Jin 1, Nahome Fisseha 1, Beatrice Rendenbach-Mueller 1
Abbvie, Inc. - North Chicago, IL (USA)

The epigenetic modulator apabetalone decreases neuroinflammation in blood brain barrier cell models and LPS-treated mice

Sylvia 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 1, Jan Johansson 2, Ewelina Kulikowski 1
1 Resverlogix Corp - Calgary (Canada), 2 Resverlogix Corp - San Francisco, CA (USA)

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 2, David Gomez-Ulloa 4, M Chris Runken 2, Miquel Barcelo 6, 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 - Marlou (United Kingdom), 4 Grifols - Sant Cugat Del Vallès (Spain), 5 Grifols Ssna - Research Triangle Park, NC (USA), 6 Open Health Group - Bethesda, MD (USA)

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

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

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)
POSTER PRESENTED REMOTELY

- THEME AD clinical trials and COVID-19
- THEME Animal model and clinical trial
- THEME Behavioral disorders and clinical trials
- THEME Clinical trials: cognitive and functional endpoints
- THEME Clinical trials: imaging
- THEME Clinical trials: biomarkers including plasma
- THEME Clinical trials: methodology
- THEME Clinical trials: results
- THEME Cognitive assessment and clinical trials
- THEME Digital health/E-trials
- THEME Health economics and clinical trials
- THEME Epidemiology and clinical trials
- THEME New therapies and clinical trials
- THEME Proof of concept/Translational research for Alzheimer Drug Development interventions

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
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 Mummery 1
Dementia Research Centre, National Hospital For Neurology And Neurosurgery, Queen Square, University College London And University College London Hospital - London (United Kingdom)

THEME
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)

THEME
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)
LRP1 Beneficial Effects of Masupirdine on Psychosis in Patients with Alzheimer’s disease, Addressing Limitations of Current Pharmacological Interventions
Ramakrishna Nirogi 1, Anil Shinde 1, Abdul Rasheed Mohammed 1, Vinod Kumar Goyal 1, Vijay Benade 1, Veera Raghava Chowdary Palacharla 1, Ramkumar Subramanian 1, Renny Abraham 1, Pradeep Jayarajan 1, Jyothsna Ravula 1, Satish Jetta 1
Suven Life Sciences Ltd - Hyderabad (India)

THEME
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 4, 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 Chicago - Chicago, Il (USA)
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)

THEME
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, Jungho 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)
RP6bis Associations of Stages of Objective Memory Impairment (SOMI) with Alzheimer’s Disease Biomarkers in the A4 Study
Ellen Grober 1, Richard Lipton 1, Reisa Sperling 2, Keith Johnson 2, Dorene Rentz 2, Kathryn Papp 2, Paul Aisen 3, Ali Ezzati 1
1Albert Einstein College Of Medicine - Bronx (United States), 2Harvard Medical School - Boston (United States), 3University Of Southern California - San Diego (United States)
Posters presented remotely

**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. - 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. - 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), 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. - Qingdao (China)

**LAP1bis**
Six Recurrent Amyloid Related Imaging Abnormality Episodes in a Patient Treated with Aducanumab BV-2 JT2
Jacob Hall 1, Elizabeth Mormino 2, Amanda Ng 1, Athanasia Boumis 1, Jennifer Gaudioso 1, Guido Davison 1, Sharon Sha 2
1The Neurology Center Of Southern California - Temecula (United States), 2Department Of Neurology And Neurological Sciences, Stanford University - Stanford (United States), 3Stanford Center For Clinical Research, Stanford University - Stanford (United States), 4Global Alzheimer's Platform Foundation - San Francisco (United States), 5Division Of Nuclear Medicine & Molecular Imaging, Department Of Radiology, Stanford University - Stanford (United States)

**LAP2bis**
In vivo 18F-APN-1607 tau PET/CT imaging of patients with frontotemporal lobar degeneration due to different MAPT mutations: Cross-sectional and longitudinal findings
XinYue Zhou 1, Jia-Ying Lu 1, Feng-Tao Liu 1, Chuan-Tao Zuo 1, Yi-Min Sun 1, Jian Wang 1
Huashan Hospital, Fudan University - Shanghai (China)

**THEME**
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 1, 3, Yannick Vermeiren 1, 2, Hans De Reu 1, Peter Paul De Deyn 1, 3, Vicky Yamamoto 1, 2
1Neuro Pharma, Inc. - Aptos (USA), 2Brain Mapping Fdn. - Pacific Palisades (USA), 3University Of Antwerp - Antwerp (Belgium), 4University Of Groningen - Groningen (Netherlands), 5University Of Southern California - Los Angeles (USA)

**RP8**
Serum Inflammatory biomarkers in Mild vs Moderate patients undergoing therapeutic plasma exchange as a treatment for Alzheimer’s disease
Ana Maria Ortiz 1, Carla Minguet 1, Ricardo Gonzalez 1, Laura Nuñez 1, Agustin Ruiz 2, 3, Oscar L´opez 1, Mercè Boada 2, 3, Antonio Páez 1
Montserrat Costa 1
1grifols Bioscience Research - Barcelona (Spain), 2research Center And Memory Clinic, Fundació Ace, Institut Català De Neurociencies Aplicades-Universitat Internacional De Catalunya - Barcelona (Spain), 3Centro de Investigación Biomédica en Red de Enfermedades Neurodegenerativas (CIBERNED), Instituto de Salud Carlos III - Madrid (Spain) - Madrid (Spain), 4Instituto De Neurología Y Psiquiatría, University Of Pittsburgh School Of Medicine - Pittsburgh (USA), 5Centro 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 1, Randall Woljter 1, Shawn Westaway 1, Jeffrey Kaye 3, Kelly Bakulsiki 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 1, Joong-Hyun Chun 4, Young Hoon Ryu 1, 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 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 3
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 1, 3, Khazari 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)
POSTERS presented remotely

P21  Plasma Neurofilament Light and Longitudinal Progression of White Matter Hyperintensity in Elderly Persons Without Dementia
  Yan Sun 1, Jintai Yu 1, Lan Tan 1
  1Department Of Neurology, Qingdao Municipal Hospital, Qingdao University, Qingdao, China; 2Department Of Neurology And Institute Of Neurology, Huashan Hospital, Shanghai Medical College, Fudan University, Shanghai, China; 3Department Of Neurology, Qingdao Municipal Hospital, Qingdao University, Qingdao, China

LRP3  Pre-analytics of the Aβ1-42/Aβ1-40 ratio in fresh and frozen samples using an optimized CSF collection protocol
  Rianne Esquivel 1, Sara Ho 2, Jacqueline Darrow 3, Amanda Calabro 4, Sara Gannon 1, Parmi Thakker 1, Francesca De Simone 1, Abhay Moghekar 2
  1Fujirebio Diagnostics Inc - Malvern (United States); 2Johns Hopkins School Of Medicine - Baltimore (United States)

LRP4  Pre-Analytical Effects of Cap Contact and Mixing on CSF Aβ1–42, Aβ1–40, and ptau181 Concentrations when Measured on an Automated Chemiluminescent Platform
  Sara Ho 1, Francesca De Simone 2, Jacqueline Darrow 1, Amanda Calabro 1, Parmi Thakker 1, Sara Gannon 1, Rianne Esquivel 2, Abhay Moghekar 1
  1Johns Hopkins School Of Medicine - Baltimore (United States); 2Fujirebio Diagnostics Inc - Malvern (United States)

LRP5  Evaluate the Utility of Sapphire II Scanning Compared to Quantitative Beta Amyloid PET Scans in MCI and Mild AD Subjects
  Lee Goldstein 1, Carl Sadovsky 2, Susanne Wilke 3, Suzanne Hendrix 4, Dennis Nilan 3
  1Boston University, Boston (United States); 2Premier Neurology - West Palm Beach (United States); 3Cognoptix - Marlborough (United States); 4Pentara - Salt Lake City (United States)

THEME  Clinical trials: methodology

RP14  The ADataViewer: Exploring Alzheimer’s Disease Cohort Data
  Yasamin Salimi 1, 2, Daniel Domingo-Fernández 1, Carlos Bobis-Alvárez 1, Martin Hofmann-Apitius 1, 2, Colin Birkenbihl 1, 2
  1Department Of Bioinformatics, Fraunhofer Institute For Algorithms And Scientific Computing (scs) - 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)

RP15bis  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)

RP16  Evaluating the effectiveness of a digital therapeutic to reduce Alzheimer’s risk: A randomized controlled trial
  Mark Mcinnis 1, Richard Issacson 2, Robert Kriorkian 3
  1Retain Health - Bedford (USA); 2Alzheimer’s Disease Education Consultants - Miami Beach (USA); 3University Of Cincinnati Academic Health Center - Cincinnati (USA)

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, Ryoji Tada 1, Akihiro Shindo 2, Takakuni Maki 2, Manabu Ikeda 2, Yuishin Izumi 3, Kazutomi Kanemaru 4, Kenji Ishii 5, Kazue Shigenobu 6, Yoshie Sunada 6, Toshifumi Watanabe 6, Otsuru Chikakawa 6, Ryosuke Takahashi 2, Hidekazu Tomimoto 2, Haruhiya Inoue 1
  1Kyoto University - Kyoto (Japan); 2Mie University - Tsu (Japan); 3Osaka University - Suita (Japan); 4Fukushima 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
  1Cleveland Clinic - Las Vegas (USA)

LRP6  Impact of gender on the willingness to consider participating in middle aged individuals at risk of Alzheimer’s disease
  Lidia Canals-Gispert 1, Alba Cañas-Martínez 1, Gema Huesa 1, Marc Suárez-Calvet 1, 2, Marta Milà-Alomà 1, 2, Eider Arenaza-Urquijo 1, 2, Davide Cirillo 4, Annemarie Schumacher Dimech 5, 6, Maria Florencio Lulita 6, 7, Julie Martinikova 7, 8, Maria Carmela Tartaglia 4, Gonzalo Sánchez-Benavides 1, 2, 3, Carolina Mingullion 1, 2, 3, Karine Fauria 1, 2, 3, Maria Teresa Ferretti 4, Anna Bruguilat-Serrat 1, 2, 3
  1Barcelonabeta Brain Research Center - Barcelona (Spain); 2IMIM (Hospital del Mar Medical Research Institute) - Barcelona (Spain); 3Centro de Investigación Biomédica en Red de Fragilidad y Envejecimiento Saludable (CIBERFES) - Madrid (Spain); 4Women’s Brain Project - Guntenhausen (Switzerland); 5Department of Health Sciences and Medicine, University of Lucerne - Lucerne (Switzerland); 6Sant Pau Memory Unit, Department of Neurology, Hospital de la Santa Creu i Sant Pau, Biomedical Research Institute Sant Pau, Universitat Autònoma de Barcelona - Barcelona (Spain); 7Cognitive Center, Department Of Neurology, Second Faculty Of Medicine, Charles University, And Motol University Hospital - Prague (Czech Republic)
POSTERS presented remotely

LRP7  
**QyPredict®**: added value to patient selection strategies and statistical analysis in clinical trials on Alzheimer’s Disease  
*Jorge Samper-Gonzalez* 1, Marwan Sabbagh 2, Philippe Schelten 3, Elizabeth Gordon 4, Antoine Movschein 1, Nicolas Guizard 1, Clarisse Longo Dos Santos 1, Enrica Cavedo 5, Alireza Atri 4,6, Bruno Dubois 6  
1Qynapse - (Paris, France), 2Cleveland Clinic Lou Ruvo Center For Brain Health - Las Vegas, NV (United States), 3Amsterdam University Medical Center - Amsterdam (Netherlands), 4BANNER Sun Health Research Institute, Banner Health - Sun City, Az (United States), 5Brigham and Women’s Hospital, Harvard Medical School - Boston, MA (United States), 6Institute Of Memory And Alzheimer’s Disease (im2a), Centre Of Excellence Of Neurodegenerative Disease (coen), Icm, Ctr Neurosciences, Ap-Hp, Department Of Neurology, Hôpital De La Pitié-Salpêtrière, Sorbonne University - Paris (France)

LRP8  
**A Fully Virtual Trial Design in Times of COVID-19: Early Lessons Learned from the REACTION study in Age-Related Cognitive Decline**  
*Christian Camargo* 1, Katalina McNerney 1, Daniëlle Counotte 2, Tatjana Rundek 1  
1University Of Miami Miller School Of Medicine - Miami (United States), 2Danone Nutricia Research - Utrecht (Netherlands)

LRP9  
**An assessment of the statistical reliability of data-driven decomposition for the use of multi-modal analyses**  
*Kristen Knight* 1,2, Nicole Lazar 1, Liang Liu 4  
1UCSF Department of Radiology and Biomedical Imaging - San Francisco, CA (United States), 2VA Advanced Imaging Research Center, San Francisco Veteran’s Administration Medical Center - San Francisco, Ca (United States), 3Penn State Department of Statistics - University Park, PA (United States), 4UGA Department of Statistics - Athens, GA (United States)

THEME  
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**  
*Johannes Hartmann* 1,2, Alina Solomon 3,4,5, Pieter Vissers 6,7, Suzanne Hendrikx 8, Christopher Williams 9, 10  
1Deutsches Institut Für Demenz Prämvention (dirp), Medical Faculty, Saarland University - Homburg (Germany), 2Department Of Neurology, Institute Of Clinical Medicine, University Of Eastern Finland - Kuopio (Finland), 3Department of Clinical Genetics, Department of Neurobiology, Care Sciences and Society, Karolinska Institutet - Huddinge (Sweden), 4Clinical Trials Unit, Theme Aging, Karolinska University Hospital - Huddinge (Sweden), 5Department Of Psychiatry And Neuropsychology, Alzheimer Centre Limburg, University Of Maastricht - Maastricht (Netherlands), 6Department of Neurology, Alzheimer Centre, Amsterdam Neuroscience, VU University Medical Center - Amsterdam (Netherlands), 7Pentara Corporation - Millcreek (USA), 8Department Of Psychiatry-And Neurochemistry, Institute Of Neuroscience And Physiology, The Sahlgrenska Academy At University Of Gothenburg - Mölndal (Sweden), 9Clinical Neurochemistry Laboratory, Sahlgrenska University Hospital - Mölndal (Sweden), 10Neurocentre, 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 Shelliels 1, Bjorn Schelter 1,2  
1Taux Therapeutics Ltd - Aberdeen (United Kingdom), 2University of Aberdeen - Aberdeen (United Kingdom)

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 Pipps 1, Kevin Donnelly 1, Kevin Biglan 1, Michele Mancini 1, Hugh Nuthall 1, Dustin J. Mergott 1, William Kielbasa 1  
1Eli Lilly And Company, Lilly Corporate Center - Indianapolis (USA)

P43bis  
**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. Pipps 1, Kevin Biglan 1, Michele Mancini 1, David Russell 2, Cristian Constantinescu 2, Roger N. Gunn 3, Hugh N. Nuthall 4, Dustin J. Mergott 1, Stephen Lowe 1, Emily C. Collins 1  
1Eli Lilly And Company, Lilly Corporate Center - Indianapolis (USA), 2VA Advanced Imaging Research Center, San Francisco Veteran’s Administration Medical Center - San Francisco, Ca (United States), 3VA Southern California Healthcare System - San Diego (United States), 4Institute Of Memory And Alzheimer’s Disease (im2a), Centre Of Excellence Of Neurodegenerative Disease (coen), Icm, Ctr Neurosciences, Ap-Hp, Department Of Neurology, Hôpital De La Pitié-Salpêtrière, Sorbonne University - Paris (France)

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 Vukcevic 1, Merja Hallikainen 2, Roy Jones 2, Anne Börjesson-Hanson 4, Alyia 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, 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)

LRP10  
**Beneficial Effects of Masupirdine on Agitation in Patients with Alzheimer’s disease: A Novel Non-sedating Mechanism**  
*Ramakrishna Nirogi* 1, Anil Shinde 1, Abdul Rasheed Mohammed 1, Vinod Kumar Goyal 1, Santosh Kumar Pandey 1, Vijay Benade 1, Veera Raghava Chowdry 1, Ramkumar Subramanian 1, Renny Abraham 1, PradeepJayarajan 1, Jyothsna Ravula 1, Satish Jetta 1, Suven Life Sciences Ltd - Hyderabad (India)
POSTERS presented remotely

**THEME**

Cognitive assessment and clinical trials

**LP16**

RetiSpec’s Hyperspectral Imaging System: Results of a Validation Study in Preclinical AD and MCI

Sharon Cohen 1, Arthur Plante 2,3,4, Alon Hazan 3, Adam Gribble 5, Yi Ping Lin 3, Justin Digregorio 3, Westreich Jared 3, Ian Cohen 1, Andriy Strichuk 1, Julie Soehner 1, Fred Leblond 4,5, Michal Schnaider-Beeri 6

1 Toronto Memory Program - Toronto (Canada), 2 RetiSpec Inc. - Montreal (Canada), 3 Department of Engineering Physics, Polytechnique Montreal - Montreal (Canada), 4 Centre de recherche du Centre hospitalier de l’Universite de Montreal - Montreal (Canada), 5 RetiSpec Inc - Toronto (Canada), 6 Department Of Engineering Physics, Polytechnique Montreal, Montreal, Quebec, Canada, Centre De Recherche Du Centre Hospitalier De L’Universite De Montreal, Montreal (Canada), Centre De Recherche Du Centre Hospitalier De L’Universite De Montreal, Montreal (Canada), 7 The Joseph Sagol Neuroscience Center, Sheba Medical Center, Israel; Professor, Icahn School Of Medicine At Mount Sinai - Tel Hashomer (Israel)

**RP20**

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

Mina Aghaei 1, Mohammad Hadi Modarres 1, Zahra Yahab 1,3, Chris Kalfatatis 6,7, Haniye Marefat 8, Mahdie Khandaghi 1, Hamed Karimi 8,9, Seyed-Mahdi Khalighi-Razavi 2,3,4

1 Royan Institute For Stem Cell Biology And Technology, Asecr - Tehran (Iran, Islamic Republic of), 2 Cognitivty Ltd - London (United Kingdom), 3 Department Of Geriatric Medicine, Ziaei Hospital, Tehran University Of Medical Sciences - Tehran (Iran, Islamic Republic of), 4 Memory and Behavioral Neurology Division, Rooshbeh Hospital, Tehran University Of Medical Sciences - Tehran (Iran, Islamic Republic of), 5 South London & Maudsley NHS Foundation Trust - London (United Kingdom), 6 Department of Old Age Psychiatry, King’s College London - London (United Kingdom), 7 Cognition Ltd - London (United Kingdom), 8 School Of Cognitive Sciences, Institute For Research In Fundamental Sciences (ipm) - 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 1, Eva Appel 1

1 York University - Toronto (Canada), 2 University 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

1 York University - Toronto (Canada), 2 Biogen - Cambridge, MA (USA), 3 University of Melbourne - Parkville, Vic (Australia), 4 Brain and Aging, University of Melbourne, Parkville, Vic (Australia)

**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

1 Qingdao University - Qingdao (China), 2 Fudan University - Shanghai (China)

**RP24**

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

Jin-Tai Yu 1

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 Gilles 2, Paul Maruff 3,4, Nancy Maserejian 3, Chris Fowler 3, Stephanie Rainey-Smith 3,7, Victor Villemagne 6,9, Christopher Rowe 6,10, Ralph Martins 9,11, Colin Masters 5, James Doecke 1

1 University of Melbourne - Parkville, Vic (Australia), 2 Biogen - Cambridge, Ma (USA), 3 Cogstate Pty. Ltd - New Haven, CT (USA), 4 University of Melbourne - Parkville, Vic (Australia), 5 The Florey Institute Of Neuroscience And Mental Health, University Of Melbourne - Parkville, Vic (Australia), 6 Centre For Healthy Ageing, Health Futures Institute, Murdoch University - Murdoch, Western Australia (Australia), 7 Centre Of Excellence For Alzheimer’s Disease Research And Care, School Of Medical And Health Sciences, Edith Cowan University - Joondalup, Western Australia (Australia), 8 Department Of Molecular Imaging And Therapy, Austin Health - Heidelberg, Victoria (Australia), 9 Department of Psychiatry, The University of Pittsburgh - Pittsburgh, Pa (USA), 10 Department Of Biomedical Sciences, Faculty Of Medicine, Health And Human Sciences, Macquarie University - Sydney, New South Wales (Australia), 11 Sir James McCusker Alzheimer’s Disease Research Unit (Hollywood Private Hospital) - Perth, Western Australia (Australia)

**P51**

Quick Dementia Rating System and its relationship to neuropsychological scores and biomarkers

Kevin Duff 1, Deborah Levine 2, Bruno Giordani 2, Andie Fagerlin 1, Nicole Fowler 1, John Hoffman 1

1 University Of Utah - Salt Lake City, UT (USA), 2 University Of Michigan - Ann Arbor, MI (USA), 3 Indiana 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

1 University Of Utah (USA), 2 Indiana University (USA)

**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 3, Lan Tan 5, Jin-Tai Yu 2

1 Qingdao Municipal Hospital, College Of Clinical Medicine, Qingdao University - Qingdao (China), 2 Fudan University - Shanghai (China), 3 Qingdao Municipal Hospital, College Of Clinical Medicine, Qingdao University - Shanghai (China)
**POSTERS presented remotely**

**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 4  
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**  
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  
Yi Qu 1, Lan Tan 1, Jin-Tai Yu 2  
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 4, Thomas Fast 4, Lutz Flößch 2, Drew Holzapfel 4, Tunahan Kirabali 3, Pierre Krolak-Salmon 2, Paolo Maria Rossini 7, Lydia Lanman 6, Antonella Santuccione Chadha 3, Wieje M. Van Der Flier 9  
1Quantify Research; Department Of Neurobiology, Care Sciences And Society, Karolinska Institute - Stockholm (Sweden), 2Department Of Geriatric Psychiatry, Central Institute Of Mental Health Medical Faculty Mannheim, University Of Heidelberg - Mannheim (Germany), 3Ceo Initiative On Alzheimer’s Disease - Philadelphia (USA), 4Biogen - Baar (Switzerland), 5Lyon Institute For Elderly, Clinical & Research Memory Center Of Lyon - Lyon (France), 6Faculty Of Medicine Of The Catholic University Of The Sacred Heart, Neuroscience Area Of Policlínico Foundation A. Gemelli - Rome (Italy), 7F. Hoffmann-La Roche - Basel (Switzerland), 8Faculty Of Medicine Of The Catholic University Of The Sacred Heart, Neuroscience Area Of Policlínico Foundation A. Gemelli - Rome (Italy), 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 - 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)

**P62**  
Social Networks and Cerebrospinal Fluid Biomarkers of Alzheimer’s Disease Pathology in Cognitively Intact Older Adults: The CABLE Study  
Ya-Hui Ma 1, Ya-Yu Wang 2, Lan Tan 1, Jin-Tai Yu 4  
1Qingdao Municipal Hospital, College of Clinical Medicine, Qingdao University - Qingdao (China), 2Qingdao Municipal Hospital, College of Clinical Medicine, Dalian Medical University - Dalian (China), 3Qingdao Municipal Hospital, College of Clinical Medicine, Dalian Medical University - Qingdao (China), 4Fudan 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 Iwatsubo 4, Takeshi Iwatsubo 4  
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, Qianwu Zhao 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)
**POSTERS presented remotely**

**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 1, Sandra Gardner 1, Malcolm Binns 1, Kathryn Stokes 1, Morris Freedman 1,2, Brian Levine 1,2, Angela Troyer 2  
1University Of Victoria - Victoria (Canada), 2Baycrest Health Sciences Centre - Toronto (Canada)

**RP31**
“ComuniChiAmo”: an e-Health pilot study for the development of a community support network for carers of people with dementia  
Cristina Festari 1, Stefania Orini 2, Anna Mega 2, Cristina Muscio 2, Pietro Trabucchi 2, Marco Trabucchi 2, Marco Zanetti 2, Rabih Chattat 4  
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), 5Associazione Italiana di Psicogeriatría, 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 1, Erika Kisonas 2, Jarred Rosenberg 3, Julian Appel 4, Christopher Smith 5  
1York University - Toronto (Canada), 2University Health Network - Toronto (Canada), 3Michael Garron Hospital - Toronto (Canada), 4Ryerson University - Toronto (Canada)

**LRP12**
Remote actigraphy measurement with a simple-to-use wearable device: Feasibility and compliance in older adults with and without subjective cognitive decline  
Michael Kraus 1, Alexandra Atkins 1, William Horan 1, Heather Stevens 1, Erica Walton 1, Joshua Yuan 1, Matthew Welch 1, Haley Evans 1, Richard Keefe 1  
Verasci - Durham (United States)

**LRP13**
A Machine Learning Based Multi-modal Imaging Genetic Study to Predict Future Progression and Conversion to Alzheimer’s Disease  
Ghazal Mirahmazaran 1, Da Ma 1, Siuen Lee 1, Karteek Popuri 1, Hyunwoo Lee 1, Jiguo Cao 1, Lei Wang 1, James E Galvin 1, Mirza Faisal Beg 1  
1Simon Fraser University - Burnaby (Canada), 2University Of Nottingham - Nottingham (United Kingdom), 3University Of British Columbia - Vancouver (Canada), 4Ohio State University Wexner Medical Center - Columbus (United States), 5University Of Miami Miller School Of Medicine - Miami (United States)

**THEME**
**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)

**LRP11**
Impact of physical activity on cognitive decline in adults: A FLAME analysis in the PROTECT cohort  
Helen Brooker 1, Vincent Hayman 1, Dag Aarsland 2, Byron Creese 1, Clive Ballard 1, Anne Corbett 1  
1Exeter University Medical School - Exeter (United Kingdom), 2Department Of Old Age Psychiatry, Institute Of Psychiatry, Psychology & Neuroscience, Maurice Wohl Clinical Neuroscience Institute, King’s College London, London, UK - London (United Kingdom)

**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-spordin-derived peptide in healthy volunteers  
Valérie Bourdès 1, Peter Dogterom 2, Pierre Parmentier 3, Damien Colas 1, Sigbeld Lemarchant 1, Sébastien Marie 1, Khalid Abd-Elaziz 3, Yann Godfrin 4  
1Axolotis - Lyon (France), 2OPs 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, Valentina 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 2, Chun-Jung Lin 4, Yijuang Chern 1, 2

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**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

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**LRP14**  
**Investigating potential druggability of long non-coding RNAs for novel treatment of Alzheimer’s Disease**  
Yuji Zhang 1, Cui Tao 2

1 University Of Maryland Baltimore - Baltimore (United States), 2 University Of Texas Health Science Center - Houston (United States)
November 29 - December 2, 2022
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