THEME 1  
Clinical trials: methodology

P1  The home-based tDCS in MCI and AD comorbid with depression: Behavioral and electrophysiological effects  
K. Do Hoon 1, K. Ji Sun 1, K. Han Sol 1, M. Yoo Sun 1  
1Hallym University College Of Medicine - Chuncheon (Korea, Republic of)

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

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

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

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

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

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

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

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

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

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

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

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

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

P15  Validation of a novel technology for non-invasive prognosis of amnestic MCI in clinics and clinical trials  
K. Vejdani 1, E. Khosravi 1, T. Liebmann 1, P. Krishnamurthy 1, P. Kamali-Zare 1  
Darmiyan San Francisco (United States)
THEME 2
Clinical trials: results

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

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

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

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

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

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

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

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

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

P25  Sensory Gamma Stimulation Therapy Reduces Sleep Disruptions in Alzheimer’s Subjects as Assessed by Continuous Actigraphy Recordings
A. Cimenser 1, E. Hempel 1, T. Travers 1, M. Williams 1, M. Hajos 1, Z. Malchano 1
1Cognito Therapeutics, Inc. - Cambridge (United States)
THEME 3
Clinical trials: imaging

P26 Imaging Misfolded Tau in the Retina
U. Kayabasi
D-No Visual Therapy Center-Uskudar University - Istanbul (Turkey)

P27 Molecular Imaging of Tau Pathology in Myotonic Dystrophy Type 1 and Alzheimer’s disease: Implications for Underlying Mechanisms
E. Poulin 1, C. Dallaire-Théroux 2, 3, A.M. Cayer 2, 1, D. Bédard-Tremblay 2, 1, T. Rouleau-Bonenfant 2, 1, F. St-Onge 4, J.M. Beauregard 5, N. Sergeant 6, J. Puymirat 5, R. Jr. Laforce 2, 3, 1
1Clinique Interdisciplinaire De Mémoire, Département Des Sciences Neurologiques, CHU de Québec - Québec (Canada), 2Université Laval, Faculté De Médecine - Québec (Canada), 3Clinique Interdisciplinaire de Memoire, Département Des Sciences Neurologiques, CHU de Quebec-Quebec (Canada), 4Douglas Health Institute - Montréal (Canada), 5Centre De Recherche du CHU de Québec - Quebec (Canada), 6Université De Lille, CHRU, Inserm, UMR 1172, Equipe Alzheimer & Tauopathies - Lille (France)

P28 A Multi-input, Multi-modal Deep Learning Model to Predict Time to Conversion to Alzheimer’s Disease
D. Hobar 1, B. Toth 1, C. Rabe 1, D. Clayton 1
Genentech, Inc - South San Francisco (United States)

P29 Perceptions of Amyloid Imaging Among Cognitively Normal Older Adults with Elevated and Not Elevated Amyloid
M. Ryan 1, 2, D. Gillen 1, 2, J. Grill 1, 3, 4
1Institute For Memory Impairments And Neurological Disorders, University Of California, Irvine - Irvine (United States), 2Department Of Statistics, University Of California, Irvine - Irvine (United States), 3Department of Psychiatry and Human Behavior, University of California, Irvine - Irvine (United States), 4Department of Neurobiology and Behavior, University of California, Irvine - Irvine (United States)

P30 Neuroimaging results of the AMBAR Study, a randomized, controlled clinical trial of plasma exchange with albumin replacement for Alzheimer’s disease
1Research & Innovation Unit, Altalia Xarxa Assistencial Universitària De Manresa - Manresa (Spain), 2Department Of Nuclear Medicine, Hospital Universitari Vall D’hebrón, Universitat Autònoma De Barcelona - Barcelona (Spain), 3Alzheimer’s Research Group, Grifols - Barcelona (Spain), 4Research Center And Memory Clinic, Fundació Ace, Institut Català De Neurociències Aplicades-Universitat Internacional De Catalunya - Barcelona (Spain), 5Centre De Investigación Biomédica en Red de Enfermedades Neurodegenerativas (CIBERNED), Instituto de Salud Carlos III - Madrid (Spain), 6Departments Of Neurology And Psychiatry, University Of Pittsburgh School Of Medicine - Pittsburgh, Pennsylvania (United States)

P31 Greater sleep disturbance is associated with lower myelin content in the cingulum in a cohort enriched for Alzheimer’s disease risk
K.L. Yang 1, D.C. Dean 2, 3, 4, J.M. Oh 1, N. Davenport-Sis 1, D.T. Plante 5, B.A. Riedner 5, S. Asthana 1, 6, 7, A. Alexander 3, 4, B.B. Bendlin 1, 6, 7
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P32 Cerebellar atrophy can predict conversion of amnestic mild cognitive impairment to dementia in patient with amyloid negative
H.J. Kim 1, S. Lee 1, S. Jo 1, J.H. Lee 1
Department Of Neurology, Asan Medical Center - Seoul (Korea, Republic of)

P33 Early impairment in the ventral visual pathway can predict conversion to dementia in patients with amyloid-negative amnestic mild cognitive impairment
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P34 Prognosis of mild cognitive impairment of uncertain etiology: Assessment and analysis of concordant cases from the IDEAS study
D. Weidman 1, V. Ghiyatis 1, H. Prota 1, Y. Chen 1, V. Devadas 1, G. Sidarous 1, Y. Su 1
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P35 The effect of cerebral amyloid angiopathy on regional cortical atrophy, independent of cortical amyloid pathology
S. Jo 1, E.N. Cheong 1, H.J. Kim 1, S.J. Lee 1, J.H. Lee 1
Asan Medical Center - Seoul (Korea, Republic of)

P36 [18F]ACI-12589, a novel alpha-synuclein radiotracer as a biomarker in patients with Parkinson’s disease and other synucleinopathies
F. Capotosti 1, E. Vokali 1, J. Molette 1, M. Ravache 1, C. Delgado 1, J. Kocher 1, K. Piorowski 1, M. Chauhan 1, T. Touilloux 1, H. Kroth 1, R. Luthi-Carter 1, O. Sol 1, A. Pfeifer 1, M. Kosco-Vilbois 1
Ac Immune - Lausanne (Switzerland)
P37 Effect of multidomain interventions on brain functional connectivity of elderly people with spontaneous memory complaint
L. Perus 1, 2, 3, E. Le Bars 4, J. Deverdun 5, J.F. Mangin 6, A. Gabelle 1
1Memory Resources and Research Center, Montpellier University Hospital, 34 295 Montpellier and Inserm U1061 and University Of Montpellier i-Site Muse, Montpellier (France), 2Institut d’Imagerie Fonctionnelle Humaine, I2FH, Montpellier University Hospital, Montpellier, France. - Montpellier (France), 3Neurospin, CEA, Gif-sur-Yvette, France - Saclay (France), 4Institut D’Imagerie Fonctionnelle Humaine, I2fh, Neuroradiology Department, Montpellier University Hospital, Montpellier, France. - Montpellier (France), 5Institut D’Imagerie Fonctionnelle Humaine, I2fh, Montpellier University Hospital, Montpellier, France. - Montpellier (France), 6Neurospin, CEA - Gif Sur Yvette (France)

THEME 4
Clinical trials: biomarkers including plasma

P38 Differentiating amyloid pathology using plasma pyroglutamate-modified amyloid beta assayed with immunomagnetic reduction
S.Y. Yang 1, 2, P.N. Wang 3, K.J. Lin 4
1Magqu Co., Ltd. - New Taipei City (Taiwan), 2MagQu LLC - Surprise (United States), 3Taipei Veterans General Hospital - Taipei (Taiwan), 4Linkou Chang Gung Memorial Hospital - Taipei (Taiwan)

P39 Plasma biomarkers promisingly differentiate Alzheimer’s disease, Parkinson’s disease and frontotemporal dementia
S.Y. Yang 1
Magqu Co., Ltd. - New Taipei City (Taiwan)

P40 Bio-Hermes: A Biomarker Study Initiated By The Global Alzheimer’s Platform Foundation® To Compare Select Digital and Blood-Based Biomarkers With Clinical Diagnosis and Amyloid-β PET Images
J. Dwyer 1, S. Walsh 1, D. Beauregard 1, E. Gorman 1, J. Bork 1, K. Smith 1, S. Hollingshead 1, R. Mohs 1
Global Alzheimer’s Platform Foundation - Washington (United States)

P41 Down Syndrome Associated Alzheimer’s Disease: Early Data from the Longitudinal Investigation for Enhancing Down Syndrome Research (LIFE-DSR) Study
1Luminid Idsc - Burlington (United States), 2Eli Lilly And Co. - Indianapolis (United States), 3Department of Neurosciences, Alzheimer’s Disease Cooperative Study, University of California San Diego - San Diego (United States), 4National Centralized Repository for Alzheimer’s Disease and Related Dementias (NCRAD), Indiana University School of Medicine - Indianapolis (United States), 5Department of Neurosciences, University of California, San Diego - San Diego (United States)

P42 Studies on the Practical Performance of a Plasma Amyloid β Measurement System by Immunoprecipitation Combined with MALDI-TOF Mass Spectrometry
N. Kaneko 1, Y. Hioki 1, 2, R. Yoda 1, A. Korenaga 1, Y. Ohashi 3, M. Honda 3, S. Sekiya 1, S. Iwamoto 1, K. Tsujino 3, K. Tanaka 1
1Koichi Tanaka Mass Spectrometry Research Laboratory, Shimadzu Corporation - Kyoto (Japan), 2Shimadzu Scientific Instruments - Frederick, Md (United States), 3Shimadzu Techno-Research - Kyoto (Japan)

P43 Identification of ADAMTS4 as an Amyloid Precursor Protein Cleaving Enzyme at 669 Site in APP669-711 Production Pathway
T. Tomita 1, M. Matsuoka 1, N. Kaneko 2, M. Yokoyama 1, Y. Yoshizawa 1, Y. Hioki 1, 2, 3, Y. Iwamoto 2, K. Tanaka 2
1Laboratory of Neuropathology and Neuroscience, Graduate School of Pharmaceutical Sciences, The University Of Tokyo - Tokyo (Japan), 2Koichi Tanaka Mass Spectrometry Research Laboratory, Shimadzu Corporation - Kyoto (Japan), 3Shimadzu Scientific Instruments - Frederick, MD (United States)

P44 Identification of prognostic protein biomarkers for cognitive dysfunction in the Origin trial
S. Hess 1
Sanofi - Frankfurt (Germany)

P45 Deep Proteomic Profiling of AD CSF for Unbiased Biomarker Discovery and Subject Stratification
Y. Feng 1, R. Bruderer 1, D. Heinzmann 1, L. Reiter 1
Biognosys - Schlieren (Switzerland)

P46 Antibody free, Mass Spectrometric procedure for the determination of Aβ40 and Aβ42 in human plasma
L. Sarasa 1, P. Pesini 1, M. Sarasa 1, J.A. Allué 1
Araclon Biotech - Zaragoza (Spain)

P47 Cholesterol and triglyceride levels in Alzheimer’s disease patients undergoing therapeutic plasma exchange with albumin replacement
A.M. Ortiz 1, R. Pauly 1, F. Yeh 1, H. Long 1, O. Siddiqui 1, M. Hagey 1, L. Schabe 1, S. Kathman 2, C. Hines 2
1Alector - South San Francisco, CA (United States), 2PPD - Wilmington, NC (United States)
POSTER PRESENTATIONS

P49 Platelet-miRNAs as biomarkers for dementia with Lewy bodies
A. Gamez-Valero 1, D. Vilas 2, L. Ispierto 2, F. Borras 1, R. Alvarez 1, K. Beyer 1
1Research Institute Germans Trias I Pujol (Spain), 2University Hospital Germans Trias I Pujol (Spain)

P50 Elecsys CSF assays accurately distinguish AD from frontotemporal lobar degeneration
M. Ortner 1, O. Goldhardt 1, J.P. Weinberger 2, F. Müller-Sarnowski 1, J. Diehl-Schmid 1, H. Förstl 1, I. Yakushev 3, T. Grimmer 1
1Department of Psychiatry and Psychotherapy, Klinikum Rechts Der Isar, Technical University of Munich, School of Medicine - Munich (Germany), 2Roche Diagnostics Gmbh - Penzberg (Germany), 3Department of Nuclear Medicine, Klinikum Rechts Des Isar, Technical University of Munich - Munich (Germany)

P51 Using cortical diffusivity analysis to predict progression in early Alzheimer’s Disease
M. Toro 1, I. Hardingham 1, M. Jenkinson 2, S. Chance 1
1Oxford Brain Diagnostics - Oxford (United Kingdom), 2University of Oxford - Oxford (United Kingdom)

P52 Level of neurodegeneration-inducing memory CD8 T cells predicts Alzheimer’s disease and Alzheimer’s-related MCI, and correlates with cognitive decline in banked blood samples from multiple cohorts
C. Wheeler 1, D. Van Dam 2, Y. Vermeiren 2, H. De Reu 2, V. Van Tendeloo 2, P.P. De Deyn 3, K. Trujillo 1
1T-Neuro Pharma, Inc. - Albuquerque (United States), 2University of Antwerp - Antwerp (Belgium), 3University of Antwerp, University Center Groningen - Groningen (Netherlands)

P53 Transcranial Electromagnetic Treatment (TEMT) Normalizes Plasma Cytokine Levels in Alzheimer’s Patients: Both Immediate and Long-term Immunoregulation
H. Abulaban 1, R. Baranowski 2, X. Lin 3, E. Goodwin 4, B. Gordon 4, A. Gay 4, C. Cao 3
1Axiom Clinical Research of Florida - Tampa (United States), 2Left Coast Engineering - Escondido (United States), 3University of South Florida Taneja College of Pharmacy - Tampa (United States), 4Neuroem Therapeutics, Inc - Phoenix (United States)

THEME 5
Clinical trials: cognitive and functional endpoints

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

P55 The CITIDEMAGE Study: the role of cholinergic hypothesis and combination therapy in Alzheimer’s disease
P. Gare 1, A.M. Cotroneo 2, G. Orsito 3, S. Putignano 4
1Center For Cognitive Impairment And Dementia - Catanzaro (Italy), 2Department of Elderly Health Care – Birago Di Vische Hospital And Botticelli Territorial Geriatrics - Turin (Italy), 3U.O.C. Internal Medicine Ward, P.z. Bari Sud “di Venere”, Bari-Azienda Sanitaria Locale Di Bari, Italy - Bari (Italy), 4Operative Unit Elderly Care, District 30, azienda Sanitaria Locale Di - Naples (Italy)

P56 Exercise and carbohydrate-restricted diet associates with improved insulin resistance and cognitive performance
M.B. Heston 1, 2, J.M. Gaitan 1, Y. Ma 1, B. Derynda 3, S. Lose 1, M.P. Kozuk 1, 4, O.C. Okonkwo 1, K.A. Gretebeck 5, 6, R.J. Gretebeck 5, 7, B.B. Bendlin 1
1Wisconsin Alzheimer’s Disease Research Center, University Of Wisconsin School Of Medicine And Public Health - Madison (United States), 2Cellular and Molecular Pathology, University of Wisconsin-Madison - Madison (United States), 3Novus Southeastern University - Miami (United States), 4Rollins School of Public Health, Emory University - Atlanta (United States), 5College Of Nursing, Marquette University - Milwaukee (United States), 6School of Nursing, University of Wisconsin-Madison - Madison (United States), 7Department of Exercise and Sport Science, University of Wisconsin-La Crosse - La Crosse (United States)

P57 Real-time capture of gait and actigraphy using industry-grade wearable devices in older adults with and without subjective cognitive decline: Preliminary compliance, sensitivity, and correlations with cognition
A. Atkins 1, W. Horan 1, M. Kraus 1, J. Linthicum 1, R. Keefe 1
Verasci - Durham, NC (United States)

P58 Using speech measures as prognostic markers of rapid cognitive decline: Applications to clinical trial enrichment
K. Mueller 1, R. Kosciak 1, S. Hahn 2, G. Stegmann 2, J. Liss 2, V. Berisha 2
1University of Wisconsin-Madison – Madison, WI (United States), 2Arizona State University - Tempe, AZ (United States)
THEM6
Cognitive assessment and clinical trials

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

P60 Congruence of clinical assessment instruments with online narratives over social media by patients with Alzheimer’s disease and caregivers
A. Tahami 1, M. Xu 1, L. Kaufman 1, M. Hagey 2, R. Paul 2, O. Siddiqui 2, M. Ward 2, W. Simpson 1, 3
1Eisai, Inc. - Woodcliff Lake (United States), 2Columbia University - New York (United States), 3Real Life Sciences, Inc. - New York (United States)

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

P62 Cognitive Reserve, Leisure Activity, and Neuropsychological Profile in the Early Stage of Cognitive Decline
J.M. Kang 1, S.Y. Lee 1, D.J. Kim 1, S.K. Woo 1, J.Y. Lee 2, S.J. Cho 1
1Gil Medical Center, Gachon University College of Medicine - Incheon (Korea, Republic of), 2Seoul National University College of Medicine - Seoul (Korea, Republic of)

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

P64 Insulin resistance and longitudinal cognition in middle-aged and older adults
G. Ennis 1, E. Jonaitis 1, R. Koscik 1, L. Clark 1, T. James 1, N. Chin 1, C. Engelman 1, R. Anderson 1, S. Asthana 1, S. Johnson 1, B. Bendlin 1
University of Wisconsin-Madison – Madison, WI (United States)

P65 Polygenic Risk for Alzheimer’s Disease Predicts MMSE Decline in Amyloid Positive Older Adults
A. Moore 1, J. Cara 1, L. Schneider 2, A. Torkamani 3, C. Cruchaga 4, J. Collins 1
1Vivid Genomics - San Diego, CA (United States), 2Departments Of Neurology, Psychiatry and Behavioral Sciences, Keck School Of Medicine, University Of Southern California - Los Angeles, CA (United States), 3Scripps Research Translational Institute - La Jolla, CA (United States), 4Knight Alzheimer’s Disease Research Center, Washington University School Of Medicine - St. Louis, MO (United States)

P66 Toward Discriminating Alzheimer’s Disease from Other Dementing Disorders with Modeled Cognitive Processes
J.R. Bock 1, M.D. Lee 2, W.R. Shankle 1, 2, J.H. Hara 1, 3, D. Fortier 1, T. Mangrola 1
1Medical Care Corporation - Newport Beach, CA (United States), 2Dept. Of Cognitive Sciences, University of California At Irvine – Irvine, CA (United States), 3Pickup Family Neuroscience Institute, Hoag Memorial Hospital - Newport Beach, CA (United States)

P67 Clinical correlates of types of memory complaints in subjective cognitive decline and amnestic mild cognitive impairment
S.Y. Ryu 1, S.B. Lee 1, T.J. Lee 1, Y.J. Jung 1
The Catholic University of Korea, Daejeon St. Mary’s Hospital - Daejeon (Korea, Republic of)

P68 An Open Standard for Speech Biomarkers to Accelerate Clinical Translation
S. Wallbridge 1, J. Weston 1, R. Lenain 1, A. Shvikumar 1, E. Fristed 1
Novoic - London (United Kingdom)
THEME 8
Health economics and clinical trials

P69  Mortality Risk and Use of Long-Term Custodial Care for Patients With Dementia and Psychosis Versus Patients With Dementia Only: A Longitudinal, Matched Cohort Analysis of Medicare Claims Data
N. Rashid 1, J. Wetmore 2, 3, M. Irfan 4, V. Abler 1
1 ACADIA Pharmaceuticals, Inc. - San Diego, CA (United States), 2 Chronic Disease Research Group – Minneapolis, MN (United States), 3 Hennepin County Medical Center – Minneapolis, MN (United States), 4 University Of Minnesota And Veterans Affairs Medical Center – Minneapolis, MN (United States)

P70  Estimating progression rates across the spectrum of Alzheimer’s disease for amnoid positive individuals using National Alzheimer’s Coordinating Center data
M. Potashman 1, M. Buessing 2, M. Levitchi Benea 1, J. Cummings 3, A. S. Bosson 5, P. Pemberton Ross 6, A.J. Epstein 2
1 Biogen – Cambridge, MA (United States), 2 Medicus Economics – Boston, MA (United States), 3 Chambers-Grundy Center For transformative Neuroscience Ulnv - Las Vegas, NV(United States), 4 Cleveland Clinic Lou Ruvo Center for Brain Health - Las Vegas, NV(United States), 5 University Of Washington – Seattle, WA (United States), 6 Biogen - Baar (Switzerland)

P71  Comparative efficacy, safety, tolerability, and effectiveness of antipsychotics in the treatment of dementia related psychosis (DRP): A systematic literature review
I. Yunusa 1, N. Rashid 2, S. Chaugule 1, V. Abler 2, K. Rajagopalan 1
1 An-L-It-Iks, Inc – Boston, MA (United States), 2 Acadia Pharmaceuticals, Inc - San Diego, CA (United States)

THEME 9
Epidemiology and clinical trials

P73  Risk of Developing Epilepsy in Alzheimer’s Disease Patients
J.H. Lee 1
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P74  Relationship between genetic variants of ACAT1 and APOE with the susceptibility to dementia (SADEM study)
T. Juarez-Cedillo 1, J.S. Alavez Rubio 1, J. Escobedo De La Peña 1
Instituto Mexicano Del Seguro Social - México (Mexico)

P75  Comparing Alzheimer’s disease (AD) progression in Alzheimer’s Disease Neuroimaging Institute (ADNI) subjects with mild cognitive impairment (MCI) to progression observed in the Scarlet RoAD clinical trial
S. Yiu 1, F. Model 2, L. Butler 2, C. Gower-Page 1, X. Teitsma 2, P. Delmar 2
1 Roche Products Limited - Welwyn Garden City (United Kingdom), 2 F. Hoffmann-La Roche Ltd - Basel (Switzerland)

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D. Weintraub 1, E.P. Foff 2, C. Ballard 3, B. Mcevoy 2, B. Coate 2, G. Demos 2, A. Berrio 2, B. Abbs 2, J.M. Youakim 2, S. Stankovic 2
1Departments Of Psychiatry And Neurology, Perelman School Of Medicine At The University Of Pennsylvania - Philadelphia (United States), 2ACADIA Pharmaceuticals, Inc - Princeton (United States), 3University Of Exeter Medical School, Exeter - Exeter (United Kingdom)

P77  A phase 2a, open-label multicenter study to evaluate the safety and tolerability of repeated intrathecal administration of NurOwn® (autologous mesenchymal stem cells secreting neurotrophic factors (in patients with prodromal to mild Alzheimer’s Disease
B. Dubois 1, B. Kern 2, S. Ward 2, S. Lindborg 2, C. Lebovits 2, P. Scheltens 3
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E. Kulikowski 1, S. Wasiak 1, L. Fu 1, E. Daze 1, D. Gilmam 1, B. Rakai 1, S. Stotz 1, T. Tsujikawa 1, C. Sarsons 1, D. Studer 2, K. Rinker 2, R. Jahagirdar 1, N. Wong 1, M. Sweeney 1, J. Johansson 1
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**ACD856, a novel cognitive enhancer targeting neurotrophin signaling for the treatment of Alzheimer’s Disease**

P Forsell 1, G. Nordvall 1, M. Hallidin 1, M. Dahlström 1, N. Madjaj 1, M. Rother 1, A. Van Es Johansson 1, J. Lundkvist 1, M. Eriksdotter 2, 3, M. Jönsson 1, B. Winblad 2, 3, J. Sandin 1
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**Development of a Dual Aβ-Tau Vaccine for the Prevention and Treatment of Alzheimer’s Disease**

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

J. Lundkvist 1, 2, T. Weber 3, 2, J. Wanngren 2, H. Kvartsberg 4, 5, P. Larssen 2, 6, D. Wu 2, 7, D. Oliveira 2, J. Sandin 1, 2, H. Zetterberg 4, 5, 8, K. Blennow 4, 5, G. Nordvall 1, 2, B. Winblad 2, E. Portelius 4, 5, H. Karlström 2
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**Predicting Response to Virtual Reality Therapy for Treatment of BPSD in Acute-care Settings**

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

1 York University - Toronto (Canada), 2 Uhn - Toronto (Canada), 3 York U - Toronto (Canada), 4 Mgh - Toronto (Canada)

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

Z. Malchano 1, E. Hempel 1, A. Boasso 1, N. Myrthil 1, K. Martin 1, N. Strozewski 1, T. Travers 1, K. Kwan 1, C. Cotter 1, M. Williams 1, A. Cimenser 1, M. Hajos 1
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**Allele specific knockdown of APOE e4 expression: A novel platform for precision gene therapy in Alzheimer’s disease**

O. Chiba-Falek 1, B. Kantor 1
Duke University – Durham, NC (United States)

**Voluntary Running Enhances Hippocampal Proliferation by Increasing Hippocampal Neurotrophic Factors**

X. Bo 1
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**Effects of THN201, a combination of donepezil and low dose mefloquine, on cognition and quantitative EEG in healthy subjects during a scopolamine challenge**

T. Dondaine 1, D. Deplanque 2, 1, O. Blin 2, C. Cracowski 3, P.O. Girodet 4, G. Pickering 5, C. Thalamas 6, F. Mouthon 7, M. Charvériat 7, W. Rein 7, R. Bordet 1
1 Lille University - Lille (France), 2 Marseille University - Marseille (France), 3 Grenoble University - Grenoble (France), 4 Bordeaux University - Bordeaux (France), 5 Clermont-Ferrand University - Clermont-Ferrand (France), 6 Toulouse University - Toulouse (France), 7 Theraneux - Fontenay Aux Roses (France)
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M. Querol-Vilaseca 1, 2, S. Sirisi 1, 2, L. Molina-Porcel 3, 4, B. Molina 1, 2, J. Pegueroles 1, 2, P. Ferrer-Raventós 1, 2, R. Nuñez-Llaves 1, 2, R. Blesa 1, 2, O. Belbin 1, 2, J. Fortea 1, 2, R. Sánchez-Velázquez 3, 4, A. Lledó 1, 2
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P91 Independent validation of EuroPOND Alzheimer’s disease staging model on real-world clinical data
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P92 Care partner outcomes associated with perceived relationship closeness between care partners and care recipients
C.L. Kew 1, A. Khera 1, C. Supnet 1, B. Kelley 1, S.B. Juengst 1
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P93 Quantitative Systems Pharmacology model of tau spreading in AD to enable the development of anti-tau therapies
L. Wille 1, J. Grant 1, S. Iadevaia 2, H. Abdul 1, K. Madrasi 1, A. Simen 2, A.J. Schwarz 2, M. Quinton 2, H. Faessel 2, F. Hua 1, J. Apgar 1, J. Burke 1, M. Vakilyanajad 2, 1Applied Biomath – Concord, MA (United States), 2Takeda - Cambridge, MA (United States)

P94 Investigating the Global Proteomic Impact and Translational Implications of Tolfenamic Acid Treatment
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P95 The lack of c-Abl improves behavioral performance in an animal model of Alzheimer’s disease
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P96 Evaluation of speech-based digital biomarkers for Alzheimer’s disease
J. Robins 1, L. Kaufman 1, W. Simpson 1, 2, 1Winterlight Labs - Toronto (Canada), 2McMaster University - Hamilton (Canada)

P97 Developing and assessing a digitally supported care management programme for caregivers of people with dementia: A cluster-randomised controlled trial (GAIN)
O.A. Klein 1, J.R. Thyrion 2, M. Boekholt 2, D. Afrin 2, C. Dornquast 2, M. Lindner 2, 2, M. Michalowski 2, I. Zwingmann 3, A. Dreier-Wolfram 4, S. Teipel 1, W. Hoffmann 2, 1, Kiliman 1, 1German Center For Neurodegenerative Diseases - Rostock (Germany), 2German Center For Neurodegenerative Diseases - Greifswald (Germany), 3European University Of Applied Sciences - Rostock (Germany), 4Hamburg University Of Applied Sciences - Hamburg (Germany)

P98 Validating virtual tools for remote sampling of neurological function: comparing task-driven EEG in the lab and in the home
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P99 Automated administration of Serial Subtraction in a remote data collection context: novel timing features related to task difficulty and participant demographics
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