

# Past Conferences

## AD/PD™ 2022

March 15-20, 2022 | Barcelona, Spain + Hybrid

<https://adpd2022.kenes.com/>

### ALZFORUM CONFERENCE COVERAGE SERIES

#### **Gantenerumab Prevention Trial in Sporadic Alzheimer's Begins**

*"Taking a stab at secondary prevention, the four-year Phase 3 trial will assess the antibody's ability to slow slippage in 1,200 cognitively healthy, amyloid-positive people."*

#### **TAPAS Anyone? PyroGlu-A $\beta$ Vaccine Shrinks Plaques in Mice**

*"At the 16th International Conference on Alzheimer's and Parkinson's Diseases held in Barcelona, Spain, and online, Thomas Bayer, University Medical Center Göttingen, Germany, described how the new antibody TAP01 binds a  $\beta$ -hairpin structure in soluble pyroGlu-A $\beta$ ."*

#### **In First for the Field, $\alpha$ -Synuclein PET. Only for Multiple System Atrophy**

*"A new tracer detects  $\alpha$ -synuclein aggregates in people with multiple system atrophy. Binding is weak, and undetectable in people with other synucleinopathies."*

## **New Data from Biogen Supports Aduhelm's Clinical Effectiveness**

*"The long-term extension data evaluated patients after almost two and a half years of treatment or 128 weeks."*

## **Biomarkers: a Beacon of Hope for the Future of Alzheimer's**

*"AD/PD™ showcased the latest research from the brightest scientists on the subjects. There was a variety of research, but one theme stood out: the promising nature of using biomarkers to diagnose and create personalized treatment plans for Alzheimer's patients."*

## **ProMIS Neurosciences Presents Preclinical Results of its Experimental Alzheimer's Vaccine at the 2022 International AD/PD™ Conference on Alzheimer's and Parkinson's Diseases and Related Neurological Disorders**

*"Customized vaccine selectively targets toxic amyloid-beta oligomers"*

## **Diadem Presents Data at AD/PD™ 2022 International Conference Demonstrating Its New AlzoSure® Confirm Blood Test Has the Potential to Accurately Diagnose Alzheimer's Disease**

*"Identified Specific Post Translational Modifications of a Conformational Variant of p53 that Represent Unique Signatures Indicating Whether or Not Individuals Have Alzheimer's Disease"*

## **Modern Age of Alzheimer's Research on Display at 2022 International Conference**

*"The conference offered a look at cutting-edge efforts to combat these debilitating diseases and what the research means"*

*for people affected by them. “*

## **Cortexyme, SQZ, Others Present New Insights into Alzheimer's and Parkinson's**

*“The 2022 International Conference on Alzheimer's and Parkinson's Disease held virtually and in Spain late last week and this weekend has ended, but it reported on numerous research studies and insights into the diseases. Here's a look at just a few of those stories.”*

## **Latest Findings On Lecanemab – Clinical Efficacy, ARIA Rates, Biomarkers Relationship To Clinical Outcomes And Dosing Regimens – Presented At AD/PD™ 2022 Annual Meeting**

*“Four key symposium presentations explored how lecanemab's clinical efficacy data, overall amyloid-related imaging abnormality (ARIA) rates, biomarker relationships to clinical outcomes, potential dosing regimens, and administration have the potential to benefit people living with early AD.”*

## **Athira Pharma Presents Study Overview and Baseline Data from ACT-AD Phase 2 Trial of Fosgonimeton in Mild-to-Moderate Alzheimer's Disease at the 2022 AD/PD™ Congress**

*“The baseline data demonstrate that the patient population enrolled in the ACT-AD study are representative of the mild-to-moderate Alzheimer's population and appropriate to evaluate the effectiveness of fosgonimeton on ERP P300 latency, a functional, objective measure of working memory processing speed”*

## **New Alzheimer's Insights: Potential Role of Lithium, Correlation to Naps**

*“Research out of the University of Cambridge suggests that lithium might decrease the risk of developing dementia. Published in the journal PLoS Medicine, the research team*

*analyzed data from 29,618 patients from the Cambridgeshire and Peterborough NHS Foundation Trust in the UK between 2005 and 2019.”*

## **AlzeCure Presents New Data at AD/PD Meeting on NeuroRestore’s Positive Effect on Mitochondrial Function**

*“With these data we have shown that NeuroRestore substances such as AC-0027136 can improve memory ability as well as the mitochondrial function, i.e. the function of the cells’ “power plant”. The substances can thus potentially play an important role in the function and survivability of nerve cells in diseases such as Alzheimer’s”*

## **AD/PD™ 2021**

**March 9-14, 2021 | Virtual Conference**

**<https://adpd2021.kenes.com/>**

## **ALZFORUM CONFERENCE COVERAGE SERIES**

### **Donanemab Confirms: Clearing Plaques Slows Decline—By a Bit**

*“The Phase 2 trial provides the strongest evidence yet that removing most amyloid from the brain bolsters cognition, although the benefit is small.”*

### **Astroglial Markers Poised for Stardom?**

*“A new PET tracer. Plasma glial fibrillary acidic protein. Two new, promising surrogates for astrogliosis are filling in the Alzheimer’s biomarker toolbox. Both reflect Aβ amyloid better than they do tau tangles.”*

## Shuttle Unloads More Gantenerumab Into the Brain

*"New data presented at the AD/PD conference offer the first evidence that a brain-shuttle strategy can work in people; the lecanemab and aducanumab antibody programs offer small updates."*

## N-Terminal Tau Antibodies Fade, Mid-Domain Ones Push to the Fore

*"The field is shifting from targeting tau's tips to its mid-region, especially where tau binds microtubules. Several new candidates are in the clinic; whether the strategy will work remains to be seen."*

## Where to Now, Phospho-Tau?

*"Researchers envision p-tau-based blood tests for Alzheimer's disease within a few years, but maybe not a stand-alone test."*

## Clinicians from Developing Nations Discuss Dementia in Their Populations

*"As life expectancy increases in countries such as Nigeria, Brazil, China, and others, so does the number of people with dementia. How to provide modern care for them?"*

## New Mouse Models Better Mimic Tauopathy, Alzheimer's

*"Two mouse models presented at AD/PD may hand scientists more translationally relevant tools to explore LOAD pathophysiology and treatment. The tricks: targeted replacement and knocking in multiple GWAS variants."*

## For $\alpha$ -Synuclein Immunotherapy, Is Going Later the Key?

*"In the negative Phase 2 trial of prasinezumab, populations with more rapid decline benefited; this informed the design of a new Phase 2b study."*

## **COVID-19 Worsens Neurological Problems, Delirium**

*"At AD/PD 2021, clinicians discussed neurological symptoms and brain tissue damage in older people who died from COVID-19."*

## **Clinical Trials in COVID Era: How To Keep Moving Forward**

*"By shifting to home nursing and telemedicine, clinical researchers kept inching ahead during lockdowns."*

## **Drop of Hope? No Cognitive Worsening on BACE Inhibitor**

*"Data from Phase 3 trials of elenbecestat show no harm to cognition, leaving open a chance that the drugs could be used safely in the future."*

## **What BACE Hits: New Substrates Create New Headaches**

*"New research implicates IL-6 signaling and even A $\beta$ 42 itself as BACE targets, complicating efforts to resurrect BACE inhibitors at a low dose."*

## **Does Synchronizing Brain Waves Bring Harmony?**

*"Based on early stage trials, scientists at AD/PD said that light and sound can promote neuronal communication, calm immune cells, and slow brain atrophy. On cognitive outcomes, the jury is still out."*

## **At AD/PD: More Evidence on Herpes and Alzheimer's Disease**

*"Data from France and Germany bolster the proposed link between herpes virus and Alzheimer's. Infection upped risk in ApoE4 carriers, damaged brain tissue, and correlated with neurodegeneration markers in the CSF."*

## In Pilot Study, Electric Therapy Improves Memory

*"At AD/PD, researchers reported that low-intensity electric current sent through the brain at gamma frequency restored cholinergic transmission and boosted short-term memory."*

## **AD/PD™ 2019**

**March 26-31, 2019 | Lisbon, Portugal**

<https://adpd2019.kenes.com/>

## Cure in Mind, Cure in Sight – Bridging Eye and Brain Research

BrightFocus Convenes and Leads the Pre-Conference Workshop  
"Common Features of Neurodegenerative Diseases: Exploring the Brain-Eye Connection and Beyond"

*"The attendance at this year's workshop, and the caliber of faculty and participants, all point to the importance of the topic and growing interest in exploring common connections between eye and brain diseases. In a one-day workshop of this type, collaborations are sparked and valuable knowledge is shared."*

## ALZFORUM CONFERENCE COVERAGE SERIES

*"Held in romantically beautiful Lisbon, this AD/PD was the biggest thus far, drawing 3,982 attendees from 73 countries"*

## At AD/PD Conference, New Alzheimer's Genes Reinforce Known Pathways

*"After years of grunt work on next-gen sequencing and expression analysis, geneticists are finally reaping results. The new genes underscore the role of known pathways and cell types in disease."*

## Expression, Expression, Expression—Time to Get on Board with eQTLs

*“A tool of modern genetics, expression studies link GWAS hits to specific cell types, providing clues to pathogenesis. Microglia come up again and again.”*

## APP Upp: Mutation Nixes Six Amino Acids from A $\beta$ , Spurs Aggregation

*“Presented at AD/PD, the discovery by scientists in Uppsala is the first APP deletion found to cause Alzheimer’s disease. The same group found the Swedish and Arctic APP mutations.”*

## Parsing How Alzheimer’s Genetic Risk Works Through Microglia

*“Scientists at AD/PD 2019 see a Goldilocks of microglial activation: Both too little and too much is bad in an injured brain. How could a therapy make it just right?”*

## Could CD33 Be the Microglial Target for Stimulating Phagocytosis?

*“Inhibiting the receptor activates microglia to mop up debris, making CD33 an attractive therapeutic target.”*

## Could Greasing the Wheels of Lipid Processing Treat Alzheimer’s?

*“Speakers at AD/PD 2019 reported that AD risk factors mess up lipid metabolism in glial cells. In cellular models, speeding the clearance of fats lessened pathology.”*

## Chimeric Mice: Can They Model Human Microglial Responses?

*“By slipping human microglia inside the mouse brain, researchers hope to better monitor their response to pathologies, such as A $\beta$ .”*



## **Spitting, Sniffing: Is This How We Will Dx Parkinson's?**

*"Scientists are probing saliva and skin secretions for telltale signs of Parkinson's disease. Their prize? A diagnostic test at the pre-motor stage."*

## **ARIAS: Zooming in On Eye-based Biomarkers for Alzheimer's**

*"Scientists know that the retina changes in people with preclinical AD; alas, there is neither consensus nor convergence in the field of retinal imaging. An upcoming initiative aims to determine which measures are most robust."*

## **On The Docket at AD/PD: The Many Crimes of ApoE4**

*"Microglia cleanup, mitophagy, axonal plasticity, blood-brain barrier. A renewed focus on ApoE4 is revealing new ways in which this isoform renders the brain vulnerable to Alzheimer's."*

## **Off-Balance Endocytosis Lays Groundwork for Disease**

*"By aging cultured neurons and manipulating them to stimulate endocytosis or interfere with vesicle release, researchers can bring about characteristics of Alzheimer's—without adding APP or A $\beta$ ."*

## **Antibodies Against Microglial Receptors TREM2 and CD33 Head to Trials**

*"As data increasingly blame the microglia response as a driving force in Alzheimer's disease, researchers are investigating whether tempering these cells will aid cognition."*

## **Do Immune Cells Promote the Spread of $\alpha$ -Synuclein Pathology?**

*"At AD/PD 2019, scientists implicated both peripheral and central innate immunity in promoting propagation."*

## **Forget Fibrils: Lewy Pathology Is More Lipid Than Protein**

*"An electron microscopy study reveals a jumbled mess of membrane chunks and malfunctioning organelles, bound together by phosphorylated or truncated  $\alpha$ -synuclein."*

## **Keep Your Enthusiasm? Scientists Process Brutal Trial Data**

*"We are learning" was the tenor of debate about the latest round of setbacks for anti-amyloid trials in symptomatic Alzheimer's disease at a recent conference in Lisbon."*

## **BACE Inhibitors: Postmortem on One, Live Updates on Two**

*"Lanabecestat, elenbecestat, and umibecestat all showed data at the AD/PD conference in Lisbon. Learn what definitely doesn't work and what might yet."*

## **Human Microglia Make Themselves at Home in Mouse Brain**

*"Analysis of a chimeric mouse shows that the cells express the same genes they do in the human brain, survey their environment, and respond to injuries and amyloid."*