



BIOMARKERS

Biomarkers (Non-Neuroimaging), Neuroimaging

Sessions are listed in Central Daylight Time (North America). Schedule is current at time of posting. Content is listed as submitted. Session chairs are listed in bold.

PLENARY SESSIONS

Learn about the state of the field from leading experts.

- 10 a.m.** **Imaging Biomarkers And Alzheimer's Disease Prevention**
Susan M. Landau, Ph.D.
 Blood Based Biomarkers
Charlotte Teunissen, Ph.D.

LIVE SESSIONS

Attend sessions focusing on biomarkers and engage in live discussion.

- 7 a.m.** **Developing Topic Session: Biomarkers**
Henrik Zetterberg, Rachel Buckley, Jennifer Cooper, Juan Lantero Rodriguez, Carol A. Van Hulle, Eugeen Vanmechelen, Umur A. Kayabasi, Angeliki Tsapanou
- 7 a.m.** **Neuroimaging: Imaging The Human Synapse In Alzheimer's Disease**
Eric Salmon, Ryan S. O'Dell, Emma M. Coomans, Joseph Therriault, Joana B. Pereira, Xiaotian T. Fang, Andréa Lessa Benedet
- 7 a.m.** **Strategic Roadmap For The Translation Of Tau Biomarkers In The Clinic: An International Task Force**
Marina Boccardi, Alessandra Dodich, Valentina Garibotto, Gerard N. Bischof, Antoine Leuzy
- 8:30 a.m.** **Neurobiological Subtypes Of Alzheimer's Disease**
Eric Westman, Melissa E. Murray, Michel J. Grothe, Betty M. Tijms, Daniel Ferreira
- 8:30 a.m.** **The Role Of Microglia Activation In The Development Of Amyloid And Tau Pathology In Alzheimer's Disease**
Michael Ewers, Christina Ising, Pedro Rosa-Neto, Maura Malpetti
- 8:30 a.m.** **Towards A Precision Medicine Approach In Alzheimer's Disease**
Jonathan Schott, Wiesje Van Der Flier, Randall J. Bateman, Sebastian Palmqvist, Ingrid S. Van Maurik, Martin Hofmann-Apitius
- 11:30 a.m.** **Clinical Study Results Of AD Blood Biomarkers**
Randall Bateman, Oskar Hansson, Suzanne E. Schindler, Kaj Blennow, Elisabeth H. Thijssen
- 11:30 a.m.** **Measuring Tau Accumulation And Progression**
Kejal Kantarci, Brad Dickerson, Rik Ossenkoppele, Gabor G. Kovacs, Philip L. De Jager, Virginia M-Y Lee
- 1 p.m.** **Biomarkers: Leveraging Postmortem Collections To Validate Neuroimaging**
Thomas G. Beach, Laura Wisse, Charles Chen, David N. Soleimani-Meigooni, Paul A. Yushkevich, Kamalini G. Ranasinghe, Davis C. Woodworth
- 1 p.m.** **LEADS: Sporadic Early-Onset Alzheimer's Disease In The Spotlight**
Maria Carrillo, Liana G. Apostolova, Gil D. Rabinovici, Brad C. Dickerson, Lea Tenenholz Grinberg
- 1 p.m.** **Tau And Memory In The Temporal Lobe: Insights Into The Beginning Of Alzheimer's Disease**
Anne Maass, David Berron, Heidi I.L. Jacobs, William J. Jagust

POSTER PRESENTATIONS

Explore the latest biomarkers research with posters from across the world. Leave comments for authors around the clock. Posters on this topic will be available on Monday, July 27, at 5 p.m.

ON-DEMAND SESSIONS AND Q&A

View the on-demand sessions and then join experts and peers for live discussions of select content in dedicated chat rooms. We recommend viewing on-demand sessions in advance — the following content will be available on Monday, July 27, at 5 p.m.

ON-DEMAND SESSIONS	Q&A TIME
» Biomarkers (Non-Neuroimaging): Alzheimer's Disease Incidence, Risk Factors And Biomarkers Lei Gao, Peng Li, Xiaoling Zhang, Marta Milà-Alomà, Matthew P. Pase	6:30 a.m.
» Vascular Factors Of Alzheimer's Disease Astrid M. Hooghiemstra, Julie A. Schneider, Jonathan M. Schott, Hilde Van Den Brink, Christopher Chen, Geert Jan Biessels	6:30 a.m.
» Biomarkers (Non-Neuroimaging): Novel Biomarkers Lenora A. Higginbotham, Scott Ayton, Keenan A. Walker, Kevin Huynh, Nathan A. Gillespie, Benoit Lehallier	7 a.m.
» Neuroimaging: Novel Imaging Methods Jarith L. Ebenau, Victor Villemagne, Tharick A. Pascoal, Jordi Pegueroles, Andrew Badachhape, Ananth Annapragada	7 a.m.
» Biomarkers (Non-Neuroimaging): Method Development And Validation Inge M.W. Verberk, James D. Doecke, Jiayu Zhou, Eline A.J. Willemse, Charles Decarli, Marcio A. Almeida Sr.	7:30 a.m.
» The Value Of Amyloid PET Beyond Dichotomization Christopher Buckley, Isadora Lopes Alves, Lyduine Collij, Santiago O. Bullich, Jose Luis Molinuevo	7:30 a.m.
» Biomarkers (Non-Neuroimaging): Blood Based Biomarkers Oskar Hansson, Anouk Den Braber, Julio C. Rojas, Akinori Nakamura, Lei Liu	8 a.m.
» Neuroimaging: Understanding Tau Progression Joseph Giorgio, Neil P. Oxtoby, Sergey Shcherbinin, Ellen H. Singleton, Leon M. Aksman, Clifford R. Jack Jr.	8 a.m.
» Biomarkers (Non-Neuroimaging): Longitudinal And Prognostic Biomarker Studies Doug Galasko, Lauren McCollum, Denis S. Smirnov, Michael Vacher, Nicholas J. Ashton, Michelle M. Mielke, Betty M. Tijms	8:30 a.m.
» Person-Centered Prediction Of Tau Spreading In Alzheimer's Disease And Related Disorders Michael Ewers, David Jones, Jesse Brown, Jacob W. Vogel, Hugo Botha, Nicolai Franzmeier	8:30 a.m.
» EEG Biomarkers Of Alzheimer's Disease In Pre-Symptomatic And Symptomatic Patients: Multimodal Validation From International Projects Brian Murphy, Bahar Güntekin, Vesna Jelic, Carlos Andrés Tobón Quintero, Xianghong Arakaki, Stéphane Epelbaum	9 a.m.
» Neuroimaging: Other Neurodegenerative Disorders Lea Grinberg, Juan Fortea, Yuheng Chen, Francesca Capotosti, Petrice M. Cogswell, Matthew D. Zammit, Alexandre Bejanin, Rose Bruffaerts	9 a.m.

ON-DEMAND SESSIONS AND Q&A, CONTINUED

ON-DEMAND SESSIONS

Q&A TIME

» Biomarkers (Non-Neuroimaging): EEG And Other Biomarkers Dimitrios Kapogiannis, Casper T. Briels, Claudio Babiloni, Sinead Gaubert, Mark W. Albers, Apoorva Bharthur Sanjay, Isabelle Bos	9:30 a.m.
» Neuroimaging: Other Neurodegenerative Disorders - Neuroimaging Liana Apostolova, Howard J. Rosen, Matthias Brendel, Duncan Street, Lisanne M. Jenkins, Filippo Sean Giorgi, Mahsa Dadar	9:30 a.m.
» Early Imaging Changes In Cognitively Normal Subjects At Risk Of Late Onset AD Craig Ritchie, Jose Luis Molinuevo, Li Su, Elijah Mak, Natalia Vilor-Tejedor, Raffaele Cacciaglia	11 a.m.
» Neuroimaging: Imaging Genetics Timothy Hohman, Andrew Saykin, Rachel M. Brouwer, Brandalyn C. Riedel, Vijay K. Ramanan, Eero Vuoksimaa, Anna Rubinski, Sven J. Van Der Lee	11 a.m.
» Multi-Omics And Big Data Analytics: From Understanding Disease Heterogeneity To Precision Diagnostics Christos Davatzikos, Paul M. Thompson, Andrew J. Saykin, Alexandra L. Young, Duygu Tosun	11:30 a.m.
» Neuroimaging: Earlier Life Risk Factors And Imaging Biomarkers Mckenna E. Williams, Mathew Storey, Nicholas M. Vogt, Rachel A. Schroeder, Audrey Low, Tracy d'Arbeloff	11:30 a.m.
» Molecular Imaging Of Novel Biomarkers For Neurodegeneration And ADRD Samuel Lockhart, Kiran Solingapuram Sai, Barbara B. Bendlin, Adam P. Mecca, Arash Salardini	Noon
» Neuroimaging: Neuroimaging Predictors Of Cognitive Decline Stephanie Bombois, Betty Tijms, Min Su Kang, Stephanie Bombois, Renée Haan, Wiesje Pelkmans, Razvan V. Marinescu, Sheela Kumari Raghavan Pillai	Noon
» Biomarkers: Searching For Alzheimer's Through The Eyes Femke Bouwman, Kyriaki Mengoudi, Thalia S. Field, Melanie C.W. Campbell, Frederique Jasmine Hart De Ruyter, Silvia Di Angelantonio, Maxwell Singer	12:30 p.m.
» Neuroimaging: Sex And Ethnoracial Differences: Biomarkers (Imaging) Kejal Kantarci, Yakeel Quiroz, Firat Kara, Ruben Smith, Jenna Rae Groh, Yi-Ting Wang, Indira C. Turney, Justine E. Moonen	12:30 p.m.
» Developments In Clinical, Radiological And Biomarker Measurements For The Detection And Monitoring Of Early-Stage Frontotemporal Dementia And Implications For Treatment Development Yolande Pijnenburg, Carmela Tartaglia, Simon Ducharme, Lize C. Jiskoot, Marta Del Campo, Adam M. Staffaroni	1 p.m.
» Neuroimaging: Environmental And Lifestyle Factors - Neuroimaging Laura Baker, Rachel Whitmer, Karin L. Meeker, Leonardo Iaccarino, Kristen M. George, Fabienne A.U. Fox, Jeremy A. Elman, Géraldine Rauchs	1 p.m.
» Doctor AI: Making Computers Explain Their Decisions Lenore Launer, James Cole, Kerstin Ritter, Mohamad Habes, Martin Dyrba	1:30 p.m.
» Refining Clinical Trials For Dementia Prevention Ruth Peters, Yaakov Stern, Henrik Zetterberg, Cécilia Samieri, Hussein N. Yassine	1:30 p.m.

ON-DEMAND SESSIONS AND Q&A, CONTINUED

ON-DEMAND SESSIONS

Q&A TIME

- » **Biomarkers (Non-Neuroimaging): Multimodal Biomarker Studies In Cognitively Unimpaired Cohorts** 2 p.m.
Inge Verberk, Chengjie Xiong, **Stephanie A. Schultz**, Arianna Sala, Juhan Reimand, Niels D. Prins, Ashvini Keshavan
- » **Neuroimaging: The Medial Temporal Lobe In 2020** 2:30 p.m.
Brad Dickerson, Jacob Ziontz, Jenna N. Adams, **Bernard Hanseeuw**, Sadhana Ravikumar, Katherine A. Koenig, Laura Wisse

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Yakeel T. Quiroz, Ph.D.

Harvard Medical School, Massachusetts General Hospital, Boston, Massachusetts, United States

View the following on-demand sessions from our corporate sponsors. Sessions will be available beginning on Monday, July 27, at 12 a.m. Content is listed as submitted.

THE EARLY DIAGNOSIS OF ALZHEIMER'S DISEASE: READYING THE HEALTH SYSTEM

Please join our esteemed faculty in this symposium highlighting the importance and practicalities of an early diagnosis in Alzheimer's disease (AD). With panel discussions throughout, we will explore ways in which cognitive and functional assessments, in addition to pathophysiological biomarkers of AD, may support earlier detection, referral, and diagnosis of AD. As part of this, we will discuss the challenges encompassing an early diagnosis of AD in the context of the current healthcare system and explore possible solutions to overcome these.

We look forward to welcoming you to what promises to be a thought-provoking symposium.

Sponsored by: Biogen and Eisai

THE DEVELOPMENT OF THE A/T/N/X CLASSIFICATION SYSTEM FOR DIFFERENT CONTEXTS OF USE ACROSS THE ALZHEIMER'S DISEASE CONTINUUM: STATE-OF-THE-ART AND FUTURE PERSPECTIVES FOR CLINICAL PRACTICE AND THERAPY DEVELOPMENT

Join Eisai and Biogen for a virtual symposium focusing on the development of the A/T/N/x classification system across the Alzheimer's disease (AD) continuum. Our expert faculty will provide an overview of the state-of-the-art of the A/T/N/x system and will discuss the main challenges in the validation and qualification process for different contexts of use.

Sponsored by: Eisai and Biogen

EMPOWERING PHYSICIANS TO ADVANCE THE FUTURE OF AD MANAGEMENT AND CARE

This symposium will highlight how improved AD management will be enabled by the response to current societal health challenges, such as the COVID-19 pandemic, as they will transform existing clinical practices. As science and technology advance at unprecedented speed, the symposium will examine the important factors to address to ensure that clinical practice can be optimized in the future and meet the expectations of people with AD and their families.

Sponsored by: Roche

MANAGEMENT CHALLENGES IN DEMENTIA: IMPACT OF PSYCHOSIS ON PATIENT CARE

The management of psychosis in dementia is challenging for clinicians due to limited evidence on clinical efficacy of commonly used antipsychotics. Join Drs. Sabbagh, Ballard and Peskind, who will discuss the pathophysiologic mechanisms of dementia-related psychosis (DRP), its impact on the patient care, how to recognize symptoms and establish a diagnosis of DRP using illustrative case studies and how to set a management plan for patients with DRP with a focus on how to balance risks/benefits of established therapies as well as a review of investigational approaches.

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A NEW APPROACH TO ALZHEIMER'S TREATMENT: LEARNINGS FROM THE AMBAR TRIAL

The AMBAR trial is the latest study in Grifols' Alzheimer's clinical research program, aimed at assessing whether a medical procedure consisting of plasma exchange and albumin replacement was able to slow the progression of the disease in mild to moderate patients. Join us to see the updated results of the AMBAR study.

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