The Alzheimer's Imaging Consortium (AIC), a preconference to AAIC, focuses on the frontiers of neuroimaging of Alzheimer's and other dementia. The program highlights novel imaging techniques and analysis, how neuroimaging drives discoveries in and improves understanding of dementia, and how these innovations impact clinical applications. The program consists of invited speakers, oral and poster presentations from submitted abstracts, a mentoring lunch for early career researchers, and a panel discussion. There is a strong emphasis on interactive Q&A sessions and opportunities for early-career researchers throughout the scientific program.

AIC brings together neuroimaging researchers from around the world and highlights the technical progress and recent innovations in neuroimaging that will enhance clinical applications of the future. This focus on neuroimaging as a technique is what differentiates AIC from the main AAIC conference sessions.

Organizing Committee

Tobey Betthauser, University Of Wisconsin, Madison, USA
David Cash, University College London, United Kingdom
Tavia Evans, Erasmus MC, Netherlands
Michael Ewers, LMU München, Germany
Helena Gellersen, German Center For Neurodegenerative Diseases (DZNE), Germany
Brian Gordon, Washington University School Of Medicine, USA
Tessa Harrison, University Of California, Berkeley, USA
Alexa Pichet Binette, Lund University, Sweden
Ellen Singleton, Lund University, Sweden
Laura Wisse, Lund University, Sweden

About ISTAART

The Alzheimer’s Association International Society to Advance Alzheimer’s Research and Treatment (ISTAART) is a diverse global network of more than 10,000 researchers, clinicians and dementia professionals in over 120 countries.

ISTAART gives you the tools to advance your career with exclusive benefits, including access to 30 unique PIAs, year-round networking and continuing education opportunities. With members-only extended abstract submission deadlines and registration discounts for scientific meetings including AAIC, ISTAART provides a forum to promote your work and learn the latest updates.

During AAIC only, save 10%* on your ISTAART membership — visit the Alzheimer’s Association booth in the Exhibit Hall. Membership is always free for students. *New members only.

Learn more at alz.org/ISTAART.
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<td>8-8:05 a.m.</td>
<td><strong>Opening Remarks</strong></td>
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<td>Speaker: David Cash</td>
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<td>8:05-8:35 a.m.</td>
<td><strong>Plenary Session: Neuroimaging In Alzheimer’s Disease And Related Disorders: What Have We Learned?</strong></td>
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<td>8:35-9:50 a.m.</td>
<td><strong>Scientific Session: Applications Of Artificial Intelligence And Data Driven Modeling</strong></td>
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<td>Speakers: Margo Heston, René Lattmann, Lidija Milicic, Bhargav Nallapu, Junhao Wen and Long Xie</td>
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<td>9:50-10:05 a.m.</td>
<td><strong>Break (Foyer)</strong></td>
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<td>10:05-11:20 a.m.</td>
<td><strong>Scientific Session: Imaging Biomarkers Of Vascular Injury</strong></td>
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<td>Speakers: Anna Dewenter, Lianlian Du, Karin Meeker, Markley Oliveira, Olivier Parent and Valentina Perosa</td>
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<td>11:20 a.m.-Noon</td>
<td><strong>Plenary Session And Q&amp;A: Heterogeneous Pathways Underlying Cognitive Variability In Human Aging</strong></td>
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<td>Noon-1 p.m.</td>
<td><strong>Lunch And Mentor/Mentee Connections</strong> (Hall BC)</td>
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<td>1-1:35 p.m.</td>
<td><strong>Data Blitz Presentations</strong></td>
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<td>Speakers: Murat Bilgel, Giovanna Carello-Collar, Hannah de Bruin, Julie Gonneaud, Niels Reijner, Zhe Sun, Diny Thomson and Anika Wuestefeld</td>
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<td>1:35-2:35 p.m.</td>
<td><strong>Scientific Session: Neuroimaging Correlates Of Risk And Protective Factors</strong></td>
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<td>Moderators: Tobey Betthauser and Tessa Harrison</td>
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<td>Speakers: Mohini Bhade, Daniel Callow, Renee Groechel, Natalia Vilor-Tejedor and Joseph Winer</td>
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<td>2:35-3:45 p.m.</td>
<td><strong>Break And Poster Viewing Session</strong> (Hall BC)</td>
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<td>3:45-4:45 p.m.</td>
<td><strong>Panel Discussion: Neuroimaging In ADRD: Reflecting On 20 Years Of Progress To Design Better Studies In 2024 And Beyond</strong></td>
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<td>Co-Chairs: Annie Cohen and Nick Fox</td>
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<td>Moderator: Tessa Harrison</td>
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<td>Panelists: Anita Jwa, Renaud La Joie, Ozioma Okonkwo, Annalise Rahman-Filipiak, Jacob Vogel and Eduardo Zimmer</td>
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Presentation Of The Neuroimaging Awards
Speaker: Tobey Betthauser

5 p.m.
Closing Remarks
Speaker: David Cash

5:15-7:15 p.m.
Networking Reception (Philadelphia Marriott Downtown, Franklin Hall B)
Joint Event With Technology And Dementia Preconference

2024 de Leon Prizes In Neuroimaging Award Winners

Senior Scientist
Vincent Doré, Ph.D.
CSIRO, Australia

Vincent Doré, Ph.D., received his doctorate in Applied Mathematics from the University of Quebec in Montreal, Canada. He then joined CSIRO (the Australian eHealth Research Centre) in 2010 as a postdoctoral fellow, where he currently works as a Principal Scientist and Team Leader of the Neuroimaging and Ageing Research Team. Since 2011, he has been based at the lab of Christopher Rowe, M.D., at Austin Hospital in Melbourne, Australia.

His expertise lies in the development, standardization and validation of in-vivo quantification of Ab and tau in the brain using PET imaging. He is a key contributor to the first algorithm (CapAIBL) that could accurately and efficiently visualize and quantify the amyloid and tau burden from a range of amyloid and tau tracers.

He is also active in standardizing PET quantifications across scanners, sites, and tracers to refine models of AD progression and improve clinical trials. In 2019, along with Victor Villemagne, M.D., he launched the CenTauR project for the standardization of tau PET quantification. He also contributes to the quantification of other tracers such as 18F-SMBT-1, a novel F-18 labeled MAO-B PET tracer for imaging reactive astrogliosis in AD and 18F-AV-133, a vesicular monoamine transporter type 2 (VMAT2) tracer.

Junior Scientist
Nicolai Franzmeier, Ph.D.
Ludwig Maximilian University Munich (LMU), Germany
University Of Gothenburg, Sweden

Nicolai Franzmeier, Ph.D, is an early career investigator specializing in Alzheimer's disease (AD) neuroimaging research. He completed his undergraduate studies in Psychology and Medicine from 2009 to 2014 in Innsbruck, Austria. Following his undergraduate training, Franzmeier pursued a Ph.D. at the Graduate School for Systemic Neurosciences (LMU) in Munich, which he completed in 2017. His research primarily focuses on the spatiotemporal evolution of AD-related brain changes that underlie cognitive decline and the factors that contribute to resilience against AD.

Franzmeier’s overarching goal is to develop clinically useful models for predicting disease progression and to identify therapeutically relevant targets for the secondary prevention of AD dementia. To achieve these objectives, he integrates structural and functional MRI with molecular PET imaging and genetics in his studies.
Trainee
Gillian Theresa Coughlan, Ph.D.
Harvard University, Massachusetts General Hospital, USA
Gillian Theresa Coughlan, Ph.D., completed a Bachelor’s in Psychology (Hons) (2009-2013) and a Master’s in Clinical Psychology at Trinity College Dublin (2013-2014). She became interested in cognitive aging during her time at the Trinity Institute of Neuroscience (2014-2016) and Coughlan then went on to work as a visiting researcher at the Psychology Department of the University of Cambridge (2016) until she started a Ph.D. at Norwich Medical School in UEA (July 2016) under the supervision of Michael Hornberger, Ph.D. Her thesis was focused on spatial navigation as a novel diagnostic marker for preclinical Alzheimer’s disease. She completed a one-year postdoctoral fellowship at the Rotman Research Institute in Canada (2020), where she continued her work on refining early cognitive and biological markers of Alzheimer’s disease. In 2021, she joined Harvard Medical School/Massachusetts General Hospital as a postdoctoral research fellow under the primary supervision of Rachel Buckley, Ph.D., supported by fellowships from the Alzheimer’s Society of Canada and the Alzheimer’s Association.

Coughlan currently investigates how the amyloid and tau-PET signal differs in clinically normal men and women, alongside other members of the Harvard Aging Brain Study team.

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Join the Alzheimer’s Association® at these upcoming dementia research events.

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Tokyo, Japan, and Online

AAIC Advancements: Exploring Equity In Diagnosis
Nov. 18-19, 2024
Chicago, USA, and Online

AAIC Advancements: APOE And Lipid Biology
March 17-18, 2025
Miami, USA, and Online

AAIC Satellite Symposium
May 14-15, 2025
Lima, Peru, and Online

AAIC 2025
July 27-31, 2025
Toronto, Canada, and Online

alz.org/scientificmeetings
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July 25-26  Educational Workshops and Preconferences
July 27-30  Exhibits

TORONTO, CANADA, AND ONLINE

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Abstract submissions open in December 2024.
Registration opens at alz.org/AAIC in March 2025.
The Alzheimer’s Association International Society to Advance Alzheimer’s Research and Treatment (ISTAART) is a diverse global network of scientists, clinicians and dementia professionals. Members of this professional organization share common goals: the pursuit of knowledge, collaboration and breakthroughs to advance the research and treatment of Alzheimer’s disease and other dementias.

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Questions? Contact ISTAART@alz.org.