

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

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**Tobey Betthausen**, 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

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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](http://alz.org/ISTAART).

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

4:45-5 p.m.

## Presentation Of The Neuroimaging Awards

Speaker: Tobey Betthausen

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.

# SAVE THE DATES

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

<b>AAIC Advancements: Modernizing Diagnosis</b>	Sept. 18-19, 2024
Tokyo, Japan, and Online	
<b>AAIC Advancements: Exploring Equity In Diagnosis</b>	Nov. 18-19, 2024
Chicago, USA, and Online	
<b>AAIC Advancements: APOE And Lipid Biology</b>	March 17-18, 2025
Miami, USA, and Online	
<b>AAIC Satellite Symposium</b>	May 14-15, 2025
Lima, Peru, and Online	
<b>AAIC 2025</b>	July 27-31, 2025
Toronto, Canada, and Online	

[alz.org/scientificmeetings](https://alz.org/scientificmeetings)

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**AAIC >25**

# THE GLOBAL FORUM TO ADVANCE DEMENTIA SCIENCE



## **JULY 27-31 ANNUAL CONFERENCE**

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July 27-30 Exhibits

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**Abstract submissions open in December 2024.**

**Registration opens at [alz.org/AAIC](https://alz.org/AAIC) in March 2025.**

# JOIN MORE THAN 10,000 MEMBERS OF ISTAART IN OVER 120 COUNTRIES AND ADVANCE YOUR CAREER AS PART OF A GLOBAL NETWORK



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.

## Register now to access exclusive member benefits:

- 30 unique Professional Interest Areas (PIAs) that connect members with common subspecialties, providing a flexible forum to learn and collaborate.
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- Continuing Education (CE) and Continuing Medical Education (CME) opportunities, including in-person workshops, webinars and podcasts.
- Free membership for individuals in low- and middle-income countries.
- And more.

**Become a member now at [alz.org/ISTAART](https://alz.org/ISTAART).**

Questions? Contact [ISTAART@alz.org](mailto:ISTAART@alz.org).

INTERNATIONAL SOCIETY TO ADVANCE ALZHEIMER'S  
RESEARCH AND TREATMENT (ISTAART)

**ISTAART**  
ALZHEIMER'S ASSOCIATION