

Harmonizing Amyloid and Tau PET Data Across Tracers and Centers Using the Global Alzheimer's Association Interactive Network

Friday, July 25, 2025 | 8 a.m. – noon
Westin Harbour Castle- Queens Quay — Toronto, Canada
All times are in Eastern Standard Time
In-person attendance only

Overview

In this workshop, attendees will learn how Centiloid and CenTauR values are derived from PET imaging, how to interpret the harmonized data, and how the results are applied in research and clinical settings. Advances in amyloid and tau positron emission tomography (PET) imaging has led to their increased use in cohort studies and diagnoses of Alzheimer's disease. Based on the need for harmonization of PET measurements across tracers, scanners, and imaging centers, researchers have developed a standardized Centiloid scale for amyloid PET imaging, and a standardized CenTauR scale for tau PET imaging. Datasets for conversion to these scales are hosted on the Global Alzheimer's Association Interactive Network (GAAIN). GAAIN is the world's first open access, federated Alzheimer's disease data discovery platform and offers researchers a rich resource for exploring data collected across different countries and modalities, which also includes supported data initiatives such as the Centiloid and CenTauR projects.

Organizing Committee

- Cally Xiao, PhD
- Nick Prunier

Target Audience

This ISTAART immersive workshop is designed for individuals at the beginner and intermediate levels in Research and Teaching.

Learning Objectives

1. Understand the process of converting amyloid and tau PET measurements to standardized Centiloids and CenTauRs scales, respectively
2. Analyze relationships between Centiloids and cognitive outcome, health risk factors, and fluid biomarkers in Alzheimer's disease cohorts
3. Interpret Centiloid and CenTauR results in secondary and meta-analyses

Registration

Educational workshops are offered for in-person attendance only. Workshops require a separate registration fee in addition to AAIC full conference registration, or they may be purchased as stand-alone events. Visit alz.org/AAIC.

Agenda: July 25, 2025 | 8:00 am - 12:00 PM

Time	Session Details	Speakers and Moderator
8:00 AM	Introduction & goal setting	Cally Xiao, Nick Prunier
8:15 AM	Centiloid & demonstration	Ariane Bollack
9:00 AM	CenTauR & demonstration	Vincent Doré, Chris Schwarz
9:45 AM	Coffee break	
10:00 AM	GAAIN demonstration	Cally Xiao, Nick Prunier
10:15 AM	Hands-on GAAIN analysis	Cally Xiao, Nick Prunier
11:15 AM	Centiloid meta-analysis	Ganna Blazhenets
11:30 AM	CenTauR meta-analysis	Vincent Doré
11:45 AM	Questions and feedback	Cally Xiao, Nick Prunier