

## **ASSESSING AND ADDRESSING HEARING, VISION AND OLFACTION IN INDIVIDUALS WITH COGNITIVE IMPAIRMENT**

Friday, July 14, 2023 | 8 a.m. – noon  
Hilton (Ballroom C) — Amsterdam, Netherlands  
All times are in Central European Time  
In-person attendance only

### **Overview**

This hands-on workshop will cover three main topic areas and will provide:

1. An introduction to hearing and vision impairment in individuals with cognitive impairment, including data and perspectives from high-income to low- and middle-income countries.
2. Hands-on training in the assessment of hearing, vision and olfaction in individuals with cognitive impairment.
3. Hands-on assessment of cognitive function in individuals with hearing and vision impairment.

The session is designed for researchers (junior to senior), as well as clinicians and staff working in either research or clinical settings.

The first portion of the workshop will introduce the epidemiology and clinical presentation of hearing and vision impairment in individuals with cognitive impairment as well as the latest findings on the influence of hearing and vision impairment on individuals aging with cognitive impairment, along with practical approaches to addressing these impairments. The second portion will include an orientation to available mobile-based assessment tools for hearing and vision screening, along with olfaction, that can be employed in clinical or research settings, emphasizing practical considerations and pragmatic approaches. The third portion of the workshop will include a review of best practices for screening and assessing cognitive function in individuals with hearing or vision concerns, including incorporating different testing materials, how to adjust the environment, and use low-cost sensory aids during testing. This portion will feature small group stations at which attendees can work with screening devices (e.g., mobile-based hearing screeners) and sensory aids (e.g., over-the-counter hearing aids, assistive devices, etc.). The workshop will provide attendees with information on how to incorporate hearing and vision assessments into routine practice in a clinical or research setting and how to optimize cognitive testing for the hearing and vision needs of individuals with cognitive impairment.

## Organizing Committee

- Iracema Leroi, Trinity College, Ireland
- Carrie Nieman, Johns Hopkins, United States
- Esther Oh, Johns Hopkins, United States  
Natalie Phillips, Concordia, Canada
- Nattawan Utoomprukporn, Chula University, Thailand

## Target Audience

This workshop can serve as a beginners or refresher course for researchers and clinicians.

Participants from any career stage are encouraged to join, including undergraduate students, graduate students, post-doctoral researchers and faculty engaged in clinical practice, research or teaching.

## Learning Objectives

- Understand the importance of screening for hearing, vision, and olfaction among individuals with cognitive impairment.
- Learn to incorporate practical accommodations for individuals with cognitive impairment to address hearing and/or vision impairments in a clinical and/or research setting.
- Execute hearing, vision, and olfaction screening for individuals with cognitive impairment.

## Registration

Pre-conferences are offered for in-person attendance only. Preconferences require a separate registration fee in addition to AAIC full conference registration, or they may be purchased as stand-alone events.

[Register today](#) to attend Assessing and Addressing Hearing, Vision, and Olfaction in Individuals with Cognitive Impairment.

## Agenda

Time	Session Details	Speaker(s) and Moderator
8-8:20 a.m.	<b>Welcome and Overview</b>	Carrie Nieman, M.D., MPH Esther Oh, M.D., Ph.D.

8:20-8:55 a.m.	<b>Section 1 — Introduction to Hearing, Vision and Olfactory Impairment</b>	Natalie Phillips, Ph.D. Carrie Nieman, M.D., MPH Iracema Leroi, Ph.D., MRCPsych
8:55-9:25 a.m.	<b>Section 2 — Assessment of Hearing, Vision and Olfaction in Individuals with Cognitive Impairment</b>	Esther Oh, M.D., Ph.D. Nattawan Utoomprurkporn, M.D., Ph.D.
9:25-9:35 a.m.	<b>Break</b>	
9:35-10:05 a.m.	<b>Section 3 — Assessment of Cognitive Function in Individuals with Hearing and/or Vision Impairment</b>	Natalie Phillips, Ph.D.
10:10-11:40 a.m.	<b>Rotating Small Group Stations</b> <ol style="list-style-type: none"> <li>1) Hearing Screening</li> <li>2) Hearing Assistive Technology</li> <li>3) Vision and Olfaction Screening</li> <li>4) Vision Assistive Technology</li> <li>5) Engaging Your Team in Sensory-Cognitive Health</li> <li>6) Cognitive Screening</li> </ol>	Nattawan Utoomprurkporn, M.D., Ph.D. Patcharaorn Limkitisupasin, M.D. Roxanne Clement-Rorick, MPH Carrie Nieman, M.D., MPH Esther Oh, M.D., Ph.D. Iracema Leroi, Ph.D., MRCPsych Katie Curro-Tafili Sana Rehan Natalie Phillips, Ph.D.
11:40 a.m. – noon	Wrap-up and Open Discussion	Iracema Leroi, Ph.D., MRCPsych Natalie Phillips, Ph.D.