

Adult Changes in Thought: 10th Symposium

“Sensory Impairment across the Life Course for Dementia Prevention”

May 15-16, 2023

Seattle Convention Center, Seattle WA

Monday, May 15th: Symposium Day 1 (Facilitators: Morning Paul Crane, Afternoon: Andrea LaCroix)

	Topic	Speaker(s)
8:30-9:00 ARRIVE AND CONTINENTAL BREAKFAST		
9:00-9:15	Welcome: Orientation to agenda, Meeting norms, symposium housekeeping, technical support instructions	Paul Crane (UW)
9:15-10:20	Aging sensory systems and the aging brain	Linda McEvoy (KPWA), Cecilia Lee (UW), Aaron Seitz (Northeastern University)
10:20-10:30	Break	
10:30-11:00	Traffic-related air pollution and dementia incidence in the Adult Changes in Thought Study	Magali Blanco (UW)
11:00-11:30	Preserved autophagy in cognitively intact individuals with Alzheimer's Disease neuropathology	Pietro Scaduto (Texas Medical)
11:30-12:00	AIR (ACT Imaging Records) and ACT Neuroimaging Core	Christine MacDonald and Team (UW)
Lunch – 12:00-1:00 (Lunchtime discussion groups available in breakout rooms – see options on page 3)		
1:00-1:30	Addressing modifiable risk factors through community connections	Paige Denison (Sound Generations)
1:30-2:00	Sharing history through active reminiscence and photo imagery (SHARP) study	Raina Croff (Oregon Health & Science University)
2:00-2:30	ACT Neuropathology Core presentation	Dirk Keene and Caitlin Latimer (UW)
2:30-2:45	Break	
2:45-3:15	Findings from the Systematic multi-domain Alzheimer's Risk Reduction Trial (SMARRT) study	Ben Balderson (KPWA)
3:15-3:45	Identifying undiagnosed dementia in primary care using Electronic Health Record (EHR) Risk of Alzheimer's and Dementia Assessment Rule (eRADAR) findings	Sascha Dublin (KPWA)
3:45-4:00	Closing remarks / wrap up from the day	Andrea LaCroix (UCSD)

Tuesday, May 16: Symposium Day 2 (Facilitator: Linda McEvoy)

8:30-9:00 ARRIVE AND CONTINENTAL BREAKFAST

9:00-9:15	Welcome: Orientation to agenda, Meeting norms, symposium housekeeping, technical support instructions	Linda McEvoy (KPWA)
9:15-9:30	Tribute to George Martin	Peter Rabinovitch, Tom Bird (UW)
9:30-10:00	A riddle wrapped in an enigma: What is the role of the cerebellum in Alzheimer's Disease?	Colby Samstag (UW)
10:00-10:30	Cognition is associated with otolithic and auditory function in adults	Jennifer Brodsky (UW)
10:30-10:45	Break	
10:45-11:15	Project 1: Characterizing sedentary behavior, physical activity, and sleep in the ACT cohort	Shirley Chen, Liam Lane, Mikael Anne Greenwood-Hickman, Yinxiang Wu (KPWA)
11:15-11:45	ACT Life Course Core Update	Sarah Tom (Columbia U), Phil Hurvitz (UW)
11:45-12:15	ACT Project 3 (Translational Pharmacoepidemiology) Presentation	Jessica Young and Tiara Schwarze-Taufiq (UW)
12:15-12:30	Closing Remarks	Linda McEvoy (KPWA)

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Monday Working Lunch Discussion groups:

The future of digital cognitive data collection in ACT

Facilitator: Aaron Seitz, Note Taker: Audrey Carrillo

Room: Tahoma 1

This working lunch is focused on discussing opportunities for modernization and expansion of cognitive measures used with the ACT cohort. A lot has changed in the last 30 years and, with digital data collection, we can more easily collect fine motor responses, reaction times, voice data, perceptual and cognitive control measures, among many other tests that have shown promise to help us understand cognitive aging. With these modern riches, how do we choose? How do we maintain backwards compatibility? How do we avoid participant burden? Come to lunch and share your ideas of measures that would be great to adopt and what practices that we should put in place to vet, pilot and ultimately integrate new measures into the ACT study.

Increasing diversity among ACT participants

Facilitators: Roxanne Muiruri & Nicole Gatto, Note taker: Sarah Greene

Room: Tahoma 2

The ACT Study recognizes that research aimed at understanding aging-associated disorders like dementia requires contributions from diverse perspectives. Historically, recruitment of participants into ACT has occurred through random sampling among KPWA members aged 65 years and older. This approach has yielded a racial and ethnic mix of currently living ACT participants of 88% non-Hispanic White and 12% other races and ethnicities. The U19 grant aims to increase the diversity of ACT participants to reflect the racial and ethnic composition of older adult members of KPWA, including increasing participation of Asian, Black, and Hispanic/Latinx participants; the literature shows that random sampling alone is unlikely to produce sufficient numbers of racial and ethnic minority individuals for reliable racial and ethnicity-specific analyses. This working lunch group will discuss some of the approaches under consideration to reach more diverse participants, which will include modifications to the ACT study design. Join this working lunch to share your ideas as to how ACT can involve diverse participants in our research.

Conducting built and natural environment research with the ACT study

Facilitator: Dori Rosenberg, Note taker: Leo Coleman

Room: Tahoma 5

The ACT study has a history of projects that leveraged access to address information to examine built and natural environment exposures. One project has examined air pollution exposure in risk of Alzheimer's Disease and related dementias. Within the ACT Life Course Core, work is underway to geocode participants and examine area socioeconomic factors and resources as well as walkability indicators. There are a wealth of opportunities to link some of these built environment indicators to outcomes collected in the ACT study such as physical activity, sleep, cognition, neuropathology, and Alzheimer's Disease. Join this discussion oriented working lunch to share ideas related to future papers and grants leveraging these built environment variables.

Statement on Diversity

- The ACT Study recognizes that research aimed at understanding aging-associated disorders like dementia requires contributions from diverse perspectives.
- As such, the ACT Study welcomes and encourages inclusive participation in our annual Research Symposium from scholars reflective of this important diversity.
- The Symposium environment should enable all to bring forth ideas regardless of education level or professional experience.
- ACT does not tolerate harassment, racist, sexist, homophobic, transphobic, ageist, ableist or any other kind of discriminatory statements or actions.

ACT asks that all Symposium participants:

- Aim for consensus and compassion in all interactions
- Be transparent and honest. Make commitments and promises in good faith.
- Avoid engaging in behavior that is considered disrespectful.
- Listen to other points of view without interruption. Allow people to be heard and seek understanding.
- Engage others respectfully in discussion. Differences of opinion are healthy; stay focused on the topic and not personal feelings.
- Respect others' time by being on time and staying present.