Making Neuroimaging More Accessible To Diverse Populations: Challenges And Solutions

Friday, July 26, 2024 | 1-5 p.m.
Marriott (Grand Ballroom F) — Philadelphia, USA
All times are in Eastern Standard Time
In-person attendance only

Overview

Substantial advances are being made in the treatment and care of Alzheimer's and dementia, with effective drugs now being made available. However, who is benefitting from these advances, and how can we make sure these benefits are more equitable and reach all people, and their loved ones, who are living with dementia? This question is even more pertinent to advanced techniques such as neuroimaging, which can provide highly detailed information around the extent and severity of the underlying pathology. Information from neuroimaging can be incredibly useful clinically to aid physicians in making early and accurate diagnoses. Neuroimaging will also play a key role in monitoring an individual's response to therapy and identifying adverse events, often before they become serious. However, there are many aspects that restrict the access of this technology to many groups and individuals.

This workshop will explore key challenges facing the field related to making brain imaging more accessible to socioeconomically, culturally, and geographically diverse populations. These areas would include health care policy, technology (software and hardware), trials/clinical application, sociocultural considerations, and language/education. It will include experts on dementia research in diverse populations, the role of health disparities in dementia, and the use of neuroimaging biomarkers. We invite workshop attendees interested in working with these experts to develop solutions for these key challenges.

Organizing Committee

- David Cash, Dementia Research Centre
- Shana Stites, University of Pennsylvania
- Indira Turney, Columbia University
- Alexa Pichet Binette, Lund University
- Carolyn Kuz, University of Pennsylvania
- Tavia Evans, Erasmus University Medical Center
- Michael Ewers, Ludwig-Maximilians University München
- Tobey Betthauser, University of Wisconsin-Madison

Presenters

- David Cash, UCL Queen Square Institute of Neurology, (moderator)
- Shana Stites, University of Pennsylvania, (moderator)
- Kacie Deters, University of California, Los Angeles
- Annie Cohen, University of Pittsburgh
- Melissa Lamar, Rush University Medical Center
- Indira Turney, Columbia University Medical Centre
- Joshua Harper, Universidad Paraguayo Alemana

Target Audience

This ISTAART Immersive workshop is targeted to attendees who are in clinical practice, care & support and research and is pitched at a beginner-intermediate-advanced level.

Learning Objectives

1. Identify the challenges that come with making neuroimaging access more equitable across different diverse populations
2. Develop a plan for solving these key challenges
3. Advise the research community on these solutions through a working paper.

Registration

Educational workshops are offered for in-person attendance only. **This workshop requires a separate registration in addition to AAIC full conference registration.** ISTAART members, login and register today.

Agenda

For each thirty-minute round, covering a topic that will be specialized by a table:
- An expert speaker will provide a blitz talk (5-8 minutes)
- Each table will have a breakout session (20 minutes) responding to the following questions:
  - What is the major goal (based on the table's lens)
  - What are one to two barriers achieving that goal
  - Describe one to three potential solutions to these barriers.

Time	Session Details	Speakers and Moderator
Noon - 1:00 p.m.	**Lunch**	
1:00 p.m. - 1:10 p.m.	**Welcome and Introduction to the Session**	Shana Stites, David Cash
1:10 p.m. - 1:15 p.m.	**Assigning attendees to tables:** 1. Context/Determinants of Health: biological vs cultural vs social 2. Recruitment and retention and representation 3. Sociocultural factors in acceptability of imaging and attitudes towards dementia 4. Access/Use/Bias, including disclosure: incidental findings, types of data reported, 5. Technology/AI 6. Education/Policy	
1:15 p.m. - 1:45 p.m.	**Round 1** Context/Determinants of Health: biological vs cultural vs social	Indira Turney
1:45 p.m. - 2:15 p.m.	**Round 2** Recruitment and retention and representation	Annie Cohen
2:15 p.m. - 2:30 p.m.	**Break**	
2:30 p.m. - 3:00 p.m.	**Round 3** Sociocultural factors in acceptability of imaging and attitudes towards dementia	Kacie Deters
3:00 p.m. - 3:30 p.m.	**Round 4** Access/Use/Bias, including disclosure: incidental findings,	Melissa Lamar

	types of data reported	
3:30 p.m. - 3:40 p.m.	**Break**	
3:40 p.m. - 4:10 p.m.	**Round 5** Technology/AI	Joshua Harper
4:10 p.m. - 4:40 p.m.	**Round 6** Education/Policy	
4:40 p.m. - 4:55 p.m.	**Concluding Summary**	Shana Stites, David Cash
4:55 p.m. - 5:00 p.m.	**Immersive Evaluation**	