

Resilience-AD and Longevity Workshop

Hosted by the Exceptional Longevity Data Management and Coordination Center

June 28, 2023 | 9:00 - 11:00 AM PT / 12:00 - 2:00 PM ET
Virtual Meeting (Zoom)

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Background

The mission of the newly established Exceptional Longevity Data Management and Coordination Center (EL DMCC) is to develop and apply team-based research practices to enable exceptional longevity researchers to extend and integrate research on protective factors that contribute to exceptional health and life span. The EL DMCC is funded by the National Institute on Aging (NIA) and is responsible for the Exceptional Longevity Translational Resources Portal (ELITE Portal).

The ELITE Portal is a new, standalone public data repository that will store and share multi-omic data on exceptionally long-lived individuals and data generated from comparative model systems. The ELITE Portal builds on existing infrastructure established through the [AD Knowledge Portal](#) and is expected to launch to the public community in late 2023.

Purpose

This workshop will convene postdocs, principal investigators, and staff scientists involved in exceptional longevity and/or cognitive resilience research to explore the potential synergies between fields; highlight opportunities and challenges in the longevity and cognitive resilience fields; and identify research questions that will benefit from data that will be shared through the ELITE Portal.

The workshop agenda will feature sessions on:

1. Cognitive resilience in Alzheimer's Disease
2. Factors known to contribute to Exceptional Longevity and AD-resilience
3. Gerotherapeutics as drugs for cognitive resilience

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Agenda

Time (PT)	Topic	Speakers(s)
9:00 - 9:05 AM	Welcoming Remarks	Anna Greenwood, PhD <i>Sage Bionetworks</i>
9:05 - 9:20 AM	Data in the ELITE Portal and AD Knowledge Portal <i>Moderator: Laura Heath, PhD. Sage Bionetworks</i>	Anna Greenwood, PhD
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9:20 - 9:50 AM	Session 1: Alzheimer's Disease and Cognitive Resilience <i>Moderator: Catherine Kaczorowski, PhD. University of Michigan.</i>	
	How do we define cognitive resilience?	Timothy Hohman, PhD <i>Vanderbilt U Med Center</i>
	Cognitive resilience in individuals with exceptional longevity	Stacy Andersen, PhD <i>Boston University</i>
	Moderated Q&A	
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9:50 - 10:20 AM	Session 2: Factors known to contribute to exceptional longevity and AD-resilience <i>Moderator: Sofiya Milman, MD. Albert Einstein College of Medicine.</i>	
	Maintaining brain health as you age: role of lifestyle behaviors	Vonetta Dotson, PhD <i>Georgia State University</i>
	Genetics of EL and AD resilience	Paola Sebastiani, PhD <i>Tufts Medical Center</i>
	Moderated Q&A	
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10:20 - 10:50 AM	Session 3: Gerotherapeutics as drugs for cognitive resilience <i>Moderator: Noa Rappaport, PhD. Institute for Systems Biology.</i>	
	Gerotherapeutic testing in AD models	Derek Huffman, PhD <i>Albert Einstein College of Med</i>
	Mitochondrial-targeted therapeutics in aging models	Eugenia Trushina, PhD <i>Mayo Clinic</i>
	Moderated Q&A	
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10:50 - 11:00 AM	Closing remarks	Anna Greenwood, PhD