

NIA Workshop:
Bilingualism and Cognitive Reserve and Resilience
March 2-3, 2021

Register through EventBrite
https://nia_bilingualism_workshop.eventbrite.com

Agenda

Day 1 - (All times are in US Eastern Standard Time)

- 10:00 am **Welcome & Introductions**
Richard Hodes, M.D., Director, *National Institute on Aging*
- Eliezer Masliah, M.D., Director-Division of Neuroscience
Lis Nielsen, Ph.D., Director-Division of Behavioral and Social Research
National Institute on Aging
- Matt Sutterer, Ph.D.; Molly Wagster, Ph.D, Division of Neuroscience
Jonathan King, Ph.D.; Dana Plude, Ph.D., Division of Behavioral and Social
Research
National Institute on Aging
- 10:15 **Overview: Cognitive Reserve & Resilience in Aging**
Dan Mungas, Ph.D., *University of California, Davis, Davis, California, USA*
- Session 1: Bilingualism across the lifespan and its impact on reserve and resilience**
- 10:45 **Beyond bilingual juggling: Hypotheses about the source of reserve and resilience**
Judith Kroll, Ph.D., *University of California, Irvine, Irvine, California, USA*
- 11:15 **Maybe, Sometimes, Bilingualism Also Selects for Executive Function Ability**
Erika Hoff, Ph.D. *Florida Atlantic University, Boca Raton, Florida, USA*
- 11:45 pm **Break**
- 12:00 **Bilingualism, Brain and Development: A Neuroemergentist Perspective**
Arturo E. Hernandez, Ph.D., *University of Houston, Houston, Texas, USA*
- 12:30 **Onset of dementia in bilingual adults: Evidence for cognitive reserve**

Ellen Bialystok, Ph.D., *York University, Toronto, Ontario, Canada*

1:00 **Discussion of Session 1**

1:30 **Break**

Session 2: Factors complicating the study of bilingualism and its impact on cognition and the brain

1:45 **Bilingualism and cognitive reserve: concepts, confounds and controversies**

Thomas Bak, M.D., *University of Edinburgh, Edinburgh, Scotland, United Kingdom*

2:15 **Deconstructing bilingualism and its sociocultural determinants for research on cognitive aging**

Miguel Arce Renteria, Ph.D., *Columbia University Medical Center, New York, New York, USA*

2:45 **Break**

3:00 **Idiosyncratic linguistic features: potential impact in dementia and bilingualism studies**

Boon Lead Tee, M.D., *University of California, San Francisco, San Francisco, California, USA*

3:30 **Bimodal bilingualism, deafness, and aging**

Karen Emmorey, Ph.D., *San Diego State University, San Diego, California, USA*

4:00 **Aging and Bilingual Language Control**

Tamar Gollan, Ph.D., *University of California, San Diego, San Diego, California, USA*

4:30 **Break**

4:45 **Discussion of Session 2**

5:15 **Adjourn Day 1**

Day 2 -

10:00 am **Perspective: Is there a bilingual advantage?**

Kenneth Paap, Ph.D., *San Francisco State University, San Francisco, California, USA*

Session 3: Mechanisms by which bilingualism may drive neuroplasticity in the brain

- 10:30 am **Structural neuroplasticity in the healthy bilingual brain and its relevance to healthy ageing**
Christos Pliatsikas, Ph.D., *University of Reading, Reading, England, United Kingdom*
- 11:00 **The complexity of bilingualism and its effects on neuroplasticity**
John G. Grundy, Ph.D., *Iowa State University, Ames, Iowa, USA*
- 11:30 **Neuroanatomical perspectives on bilingualism and aging**
Jubin Abutalebi, M.D., *University Vita Salute San Raffaele, Milan, Italy*
- 12:00 **Break**
- 12:30 **Bilingualism, reserve and resilience across dementia subtypes**
Suvarna Alladi, M.D., *National Institute of Mental Health and Neurosciences, Bangalore, India*
- 1:00 pm **Bilingualism as a precursor for a cognitive reserve: what are the required premises?**
Esti Blanco-Elorrieta, Ph.D., *Harvard University, Cambridge, Massachusetts, USA*
- 1:30 pm **Discussion of Session 3**
- 2:00 **Break**
- 2:15 pm **Final Discussion: Gaps and Opportunities**
- 3:00 pm **Meeting Adjourns**