

## Integrating Special Populations: Seminar Series

### *“Cognitive Decline & Dementia in Younger Populations: Down Syndrome to Familial Alzheimer’s Disease”*

#### **Nicole Schupf, PhD, DrPH**

Professor of Epidemiology (in Neurology, Psychiatry, Sergievsky Center and Taub Institute)

*“Accelerated Aging and Alzheimer’s Disease in Down Syndrome”*

#### **Sharon Krinsky-McHale, PhD**

Head, Laboratory of Cognition & Development, NYS Institute for Basic Research

*“Mild cognitive impairment in a younger population: Adults with Down syndrome”*

#### **Joseph H. Lee, DrPH**

Associate Professor of Epidemiology at CUMC

*“Protective factors for cognitive impairment & dementia in PSEN1 mutation carrier families”*

Alzheimer’s Disease (AD) is the most common form of dementia, and in the general population, the risk of AD doubles every 5 years over age 65. There are two groups who have exceptionally high risk of developing AD at younger ages. Adults with Down Syndrome (DS) have all the neuropathological hallmarks of Alzheimer’s Disease (DS-AD) in their 40s. With unprecedented longevity in adults with DS, DS-AD is a significant health concern. However, the wide variation in age at onset and risk suggest the importance of additional as yet unidentified risk factors. Similarly, carriers of the PSEN1 mutation will develop AD in their 40s to 50s, but some carriers escape AD into their late ages. Identification and characterization of protective factors can help to delay the onset of AD. In this symposium, we will discuss these two genetically high risk cohorts to better understand the risk factors and other clinical aspects of AD.

**Date: Thursday, March 23, 2017**

**Time: 3:00 – 4:30pm**

**Location: Irving Institute Conference Room (PH 10 – Room 204)**

**622 West 168<sup>th</sup> Street, 10<sup>th</sup> Floor, New York, NY 10032**

**Preferred RSVP: Dianne C. Frederick, [dcf2111@cumc.columbia.edu](mailto:dcf2111@cumc.columbia.edu) by March 21**

**[http://irvinginstitute.columbia.edu/resources/integrating\\_special\\_populations.html](http://irvinginstitute.columbia.edu/resources/integrating_special_populations.html)**

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