

# Hearing, Cognition, and Brain Aging

## Professor Frank R Lin

**Johns Hopkins University, Baltimore, USA**

Age-related hearing loss in older adults is often perceived as being an unfortunate but relatively inconsequential part of aging. However, the broader implications of hearing loss for the health and functioning of older adults are now beginning to surface in epidemiologic studies. I will discuss recent epidemiologic research demonstrating that hearing loss is independently associated with accelerated cognitive decline, incident dementia, and brain aging. Current and planned studies to investigate the impact of hearing rehabilitative interventions on reducing cognitive decline and the risk of dementia in older adults will be discussed.



**Dr Lin is the Director of the Cochlear Center for Hearing and Public Health and a Professor of Otolaryngology, Medicine, Mental Health, and Epidemiology at the Johns Hopkins University School of Medicine and Bloomberg School of Public Health.** His epidemiologic research established the impact of hearing loss on the risk of cognitive decline, dementia, and brain aging in older adults and served as the basis of the 2017 Lancet Commission on dementia conclusion that hearing loss was the single largest potentially modifiable risk factor for dementia. He now currently leads the ACHIEVE study which is a \$20M NIH-funded randomized trial investigating if treating hearing loss can reduce the risk of cognitive decline in older adults. As the founder and inaugural director of the Cochlear Center for Hearing and Public Health, Dr. Lin leads a first-in-kind research center that is dedicated to training a generation of clinicians and researchers to understand and address the impact of hearing loss on older adults and public health.

**Friday 1 November 2019 : 12 noon to 1pm**

**Followed by refreshments**

**Grafton, CBR Seminar Room 501-505**