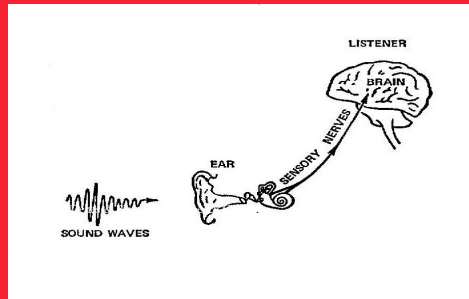
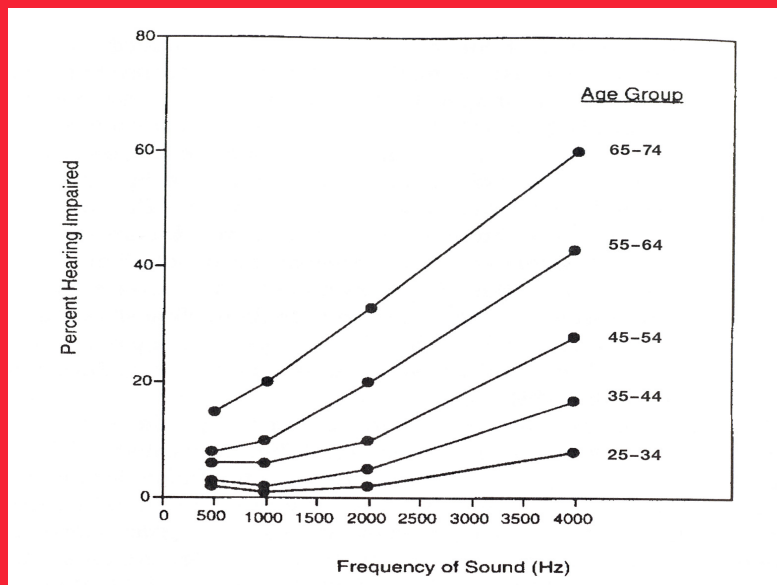


# Aging Brains, Aging Hearing, and Cognitive Compensation

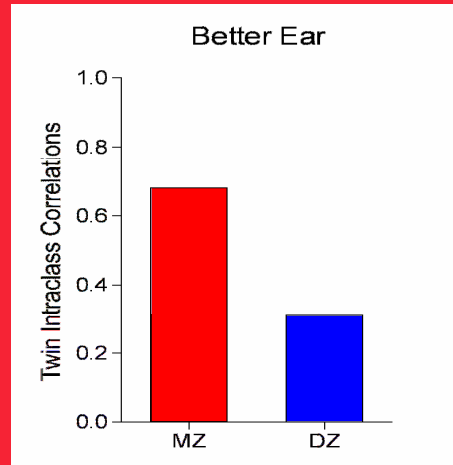
Art Wingfield  
Patricia A. Tun



Funding by the National Institute on Aging, NIH



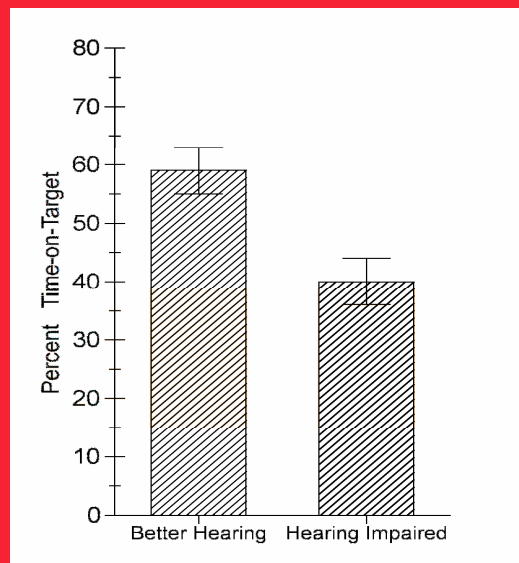
There is a large genetic component to hearing acuity in late middle age



From Wingfield et al., *J. Gerontol: Med. Sci* (2007)

Even Mild Hearing Loss  
Draws Mental  
Resources:

Using a computer mouse to  
track a randomly-moving  
target across a computer  
screen while recalling words



Tun, McCoy & Wingfield (in press)

## Our Goal:

To understand the complex interaction between sensory change, cognitive change, and compensatory operations in healthy aging