

Penn Medicine Dept. of Otorhinolaryngology

# PARTICIPANTS NEEDED

for the MACHA research study, assessing the effects of hearing loss and musical engagement on cognitive functioning



## PARTICIPATION INVOLVES

- A detailed **hearing assessment**
- Questions about you, and your **experience with music**
- A **cognitive assessment**

The total time commitment will be approximately 1.5 hours. Participants will receive up to \$50 compensation.

If you or a loved one is interested, please email [chernlab@pennmedicine.upenn.edu](mailto:chernlab@pennmedicine.upenn.edu) or call **445-895-1653**

Principle Investigator:  
Alexander Chern, MD



**MACHA Study**  
Musical associations of cognitive  
and hearing assessments