
Multisensory influences on human auditory communication

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ABSTRACT

Understanding what is said and recognising the identity of the talker are two important tasks that the brain is faced with in human communication. For a long time neuroscientific models for speech and voice processing have focused mostly on auditory language and voice-sensitive cerebral cortex regions to explain speech and voice recognition. However, our research has shown that the brain uses even more complex processing strategies for recognising auditory communication signals, such as the recruitment of dedicated visual face areas for auditory processing. In my talk I will give a brief introduction to this work and show how the multisensory influences on auditory processing can be harnessed to improve auditory learning.

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