Our central questions

• How do we perceive speech despite the lack of invariant cues to consonant and vowel identity?
• What is the nature of linguistic knowledge (phonological, semantic, syntactic, etc.)?
• How does linguistic knowledge develop, change, and adapt over the lifespan?
• What is the neural basis for language?
• How are top-down, bottom-up, and contextual information integrated in on-line language processing?
• How do these dynamics change in language disorders?
• What are the perceptual, cognitive, and genetic bases of language and language disorders?

Techniques

Naturalistic behavior/ psychometric tasks

Eye tracking

EEG (electroencephalography)

fMRI

Computational models (neural networks)

UNDERGRADUATE RESEARCH OPPORTUNITIES IN BRAIN AND LANGUAGE

Are you interested in language? Consider joining our team.

Undergraduates in our lab
• Learn to operate instruments for cognitive neuroscience research
• Help collect and analyze data
• Have opportunities to work on computational models and learn to program
• Have opportunities to be co-authors on posters (at local, national, or international meetings) and journal articles
• Go on to PhD or MD programs at great schools

Want to learn more?

Contact Jim Magnuson: james.magnuson@uconn.edu