



Wednesday, 17 May 2023, 13:00 (CET)

Wilhelm-Wundt-Room

Language Circle

Marina Kalashnikova

Basque Center on Cognition, Brain and Language, San Sebastian, Spain

Infant-Directed Speech: An Optimal Signal for Language Processing in Young Infants

During their first months of life, infants' language input consists primarily of infant-directed speech (IDS), a speech register that is structurally, prosodically, and acoustically different from adult-directed speech (ADS). IDS is a dynamic register: infants' preferences and responses to IDS evolve as they develop more mature linguistic abilities, and caregivers, in turn, adjust the quantity and quality of IDS to their infants' listening preferences and developmental needs. Based on this, it has been proposed that IDS provides infants with an optimal speech signal to facilitate speech processing and encoding at the early stages of language development. In this talk, I will present recent studies investigating this proposal by measuring neurophysiological responses to IDS and ADS in monolingual and bilingual infants. Our findings indicate that IDS plays an important role in facilitating neural encoding of speech, but infants' neural responses to IDS are modulated by their age, familiarity with the speech stimuli, and the complexity of the speech processing task.



Join online:

<https://zoom.us/j/95065830000>

Meeting-ID: 950 6583 0000



MAX PLANCK INSTITUTE
FOR HUMAN COGNITIVE AND BRAIN SCIENCES