



social understanding and interaction, it is possible that there is something awry about this machinery in autism and other developmental disabilities. We are interested in testing this hypothesis.

**PNAS:** In June 2014, the American Academy of Pediatrics recommended that all parents read aloud to their children right from infancy. Given your expertise in speech

perception among infants, what are your thoughts on the recommendation?

**Kuhl:** I tell parents that the act of sitting down with their babies and reading to them in a slow, motherese tone of voice helps language development. Babies can recite from memory things they have heard parents reading to them. Who would have imagined that the brain is this active in

motor regions when listening to native and nonnative sounds even before it can understand the meaning of words or produce words? So yes, I am in favor of routinely reading aloud to babies.

---

**1** Kuhl PK, Ramírez RR, Bosseler A, Lin JF, Imada T (2014) Infants' brain responses to speech suggest Analysis by Synthesis. *Proc Natl Acad Sci USA* 111(31):11238–11245.