Insights into the development of perceptual-motor linkages for speech: A new view from data on pre-babbling infants' processing of infant speech
UQÀM


## Infant Speech

How is infant speech different
from adult/child speech? from adult/child speech? Vocal tract anatomy
Infant speech has a uni Infant speech has a unique acoustic
signature due, in large part, to the signature due, in large part,
distinct morphology of the infant vocal tract. The infant vocal tract is not
simply a shrunken version of the adult simply a shrunken version of the adult
vocal tract; it has a tongue body that is proportionately larger, and a more sloping oropharyngeal tract.
Higher voice pitch
Infant speech has a
Infant vpeech has a higher voice pitch
because infants' vocal cor because infants' vocal cords
shorter and less massive. Higher resonant frequencies
Infant speech has higher formant
trequencies because the length frequencies because the length of the
infant vocal tract is shorter than the adult vocal tract.


Formant Frequencies



Voice Pitch (to) Values Across the Litespen



Do perceptual biases for listening to infan
speech influence later production skills?
Tracking speech perception and production
abilities Iongitudinally in the same infants


Do infants vocalize more (and/or produc
more speech-like sounds) when they more speech-like sounds) when they
listen to infant vs. adult speech?


Can infants successfully infer the source of infant speech sounds?


Design: Faces presented side-by-side


