

#### Prosodic Focus Guides Word Learning and Alternative Processing

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## **1. OVERVIEW**

To learn words, children must accurately select among referential alternatives; knowing what a speaker is referring can help determine the meaning of a novel word uttered by that speaker.

Here, we examined if children use prosodic focus to process what a speaker is referring to. Past research suggests that younger children do not have this ability.

#### **Research Questions**

1. Do children use **prosodic focus** to **learn** the meaning of new words?

2. Do children use **prosodic focus** to **process** and remember the meanings of alternative referents?

# 2. METHODS

**24 toddlers** (Mage = 3;3; range = 2;6-4;0) 48 adults did an eyegaze study with 4 trials.

All participants = monolingual English speakers.

## **Eyegaze Study:**

Internet webcam study (eyegaze was hand-coded).

## **Trial Structure (4 trials):**

- 1. WARM-UP (saw 2 actors and heard 2 names)
- 2. FAMILIARIZATION (saw 1 of the 2 actors)
- 3. **TEST** (saw 2 actors side-by-side)

# TEST

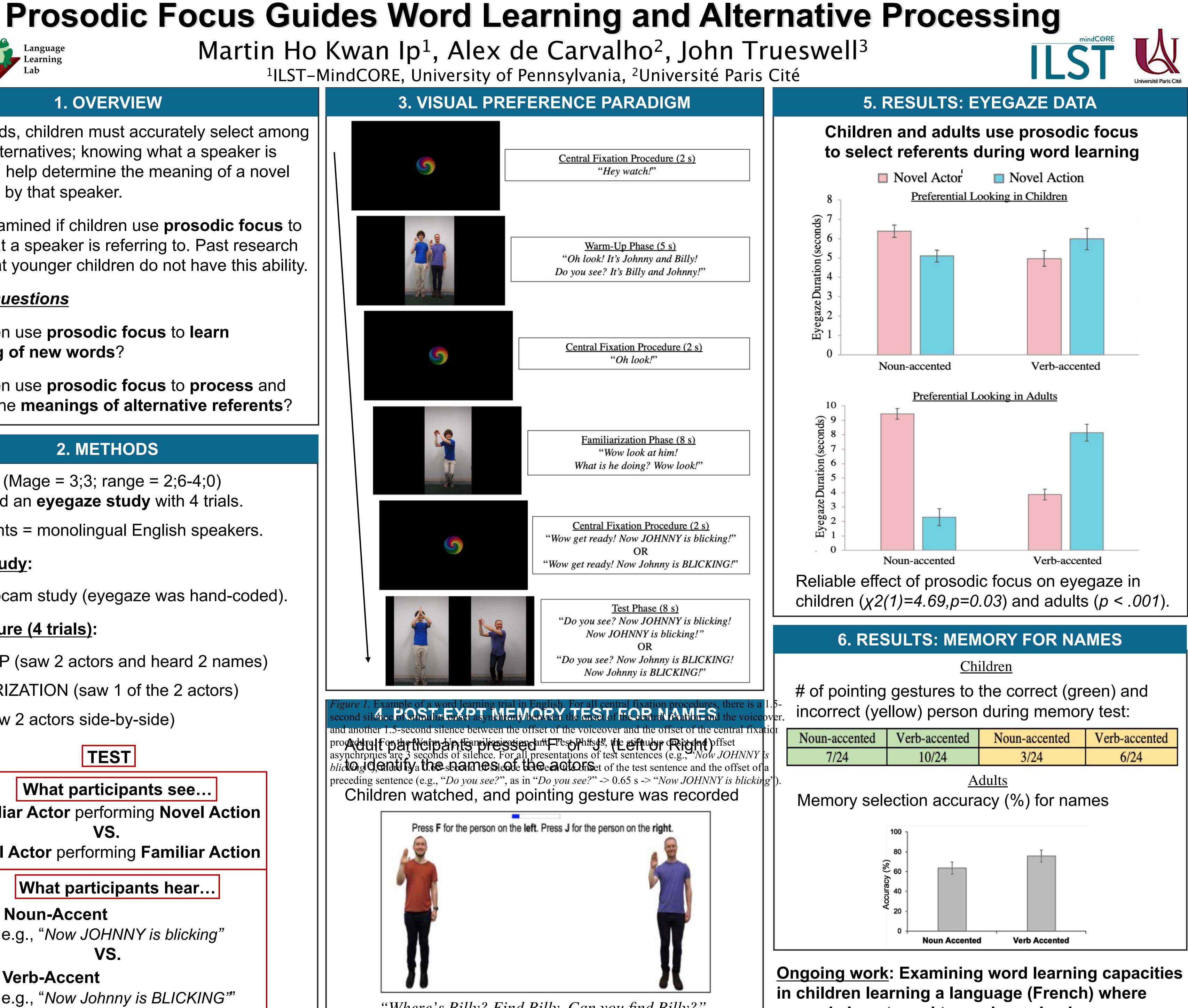
What participants see...

Familiar Actor performing Novel Action **VS** 

**Novel Actor** performing **Familiar Action** 

## What participants hear...

- 1) Noun-Accent e.g., "Now JOHNNY is blicking" VS.
- 2) Verb-Accent e.g., "Now Johnny is BLICKING""



"Where's Billy? Find Billy. Can you find Billy?"

prosody is not used to mark emphasis.