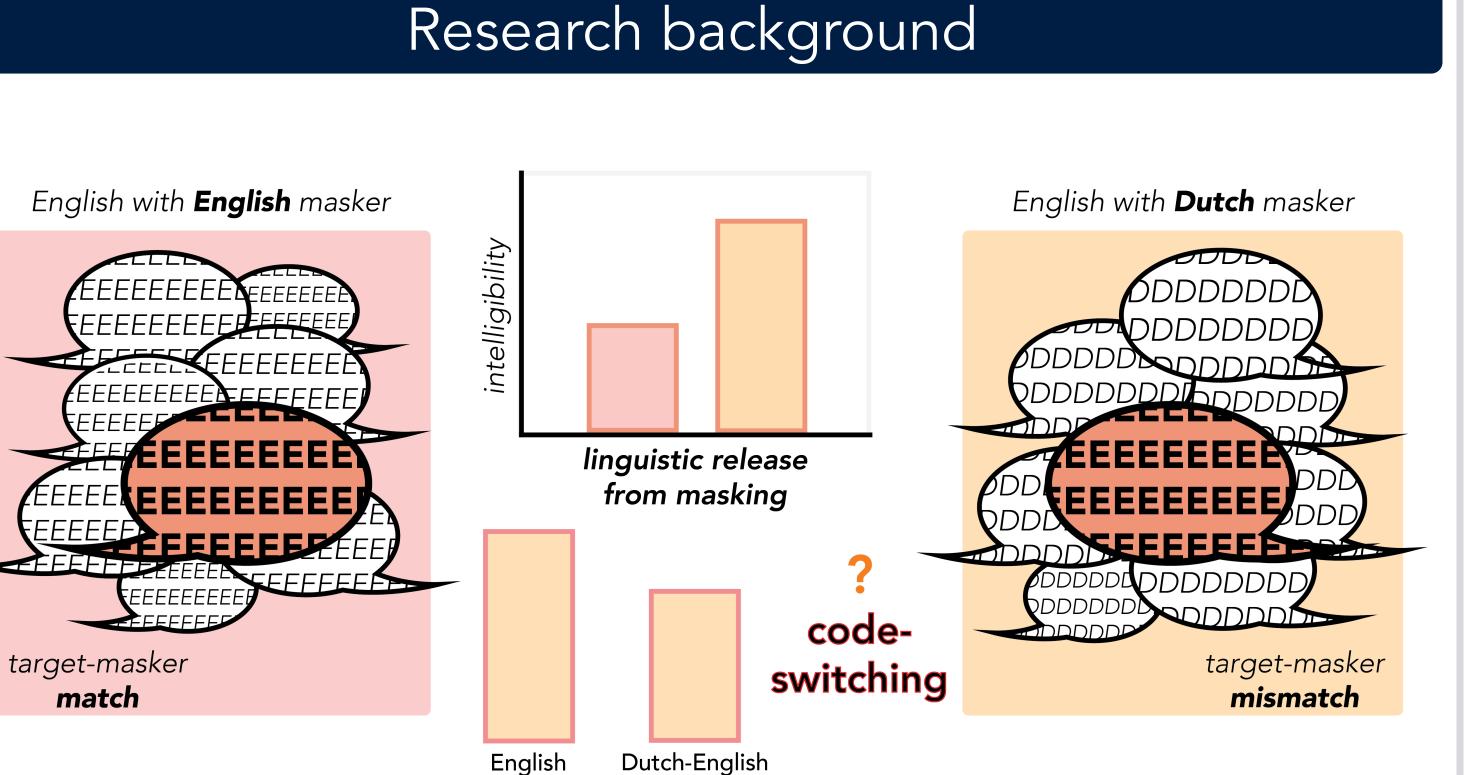
## Sentential context impacts bilingual speech-in-speech recognition

Holly A. Zaharchuk, Victoria Medina, Sarah Paterno, Navin Viswanathan, Janet G. Van Hell

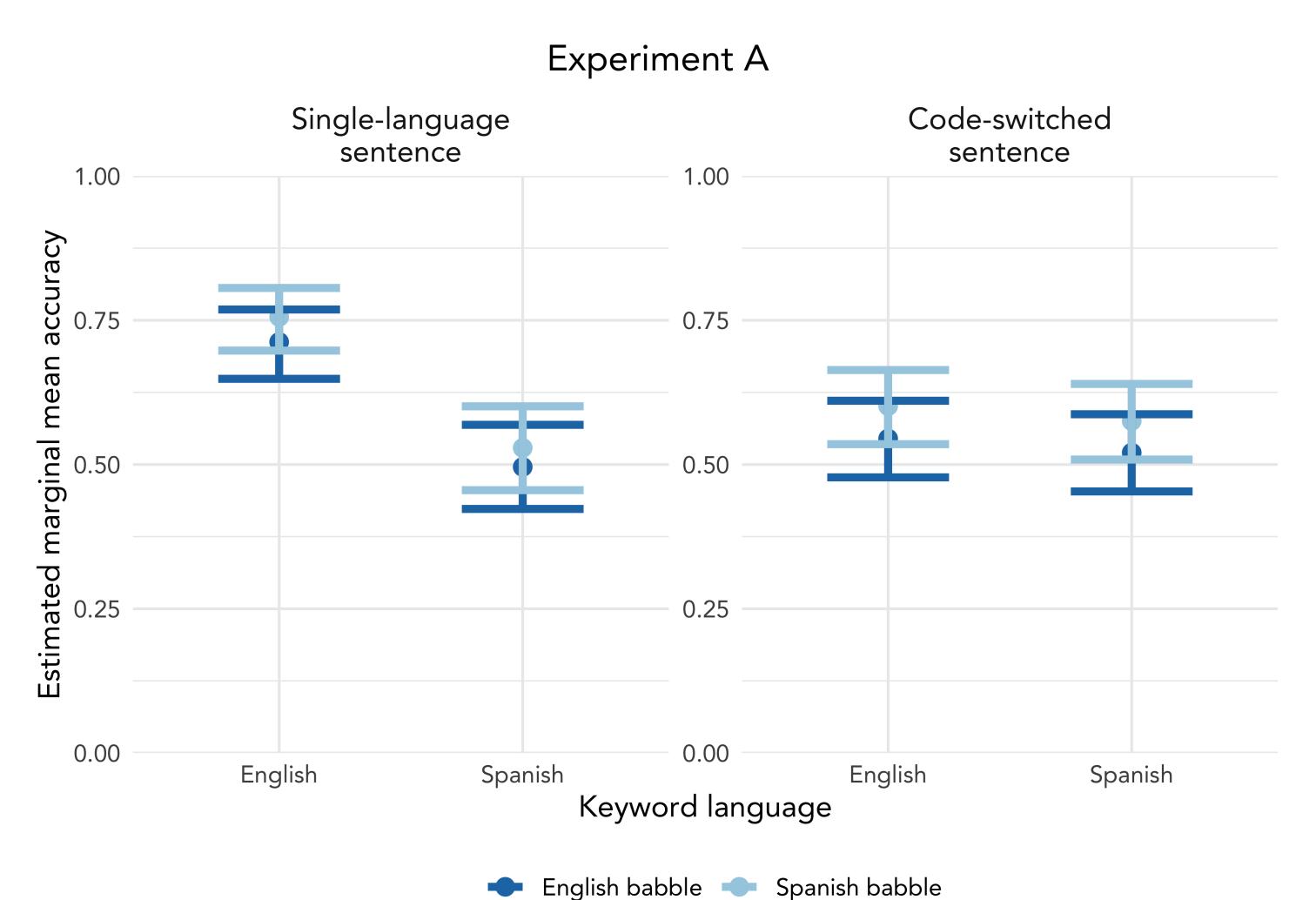


Department of Psychology & Center for Language Science The Pennsylvania State University

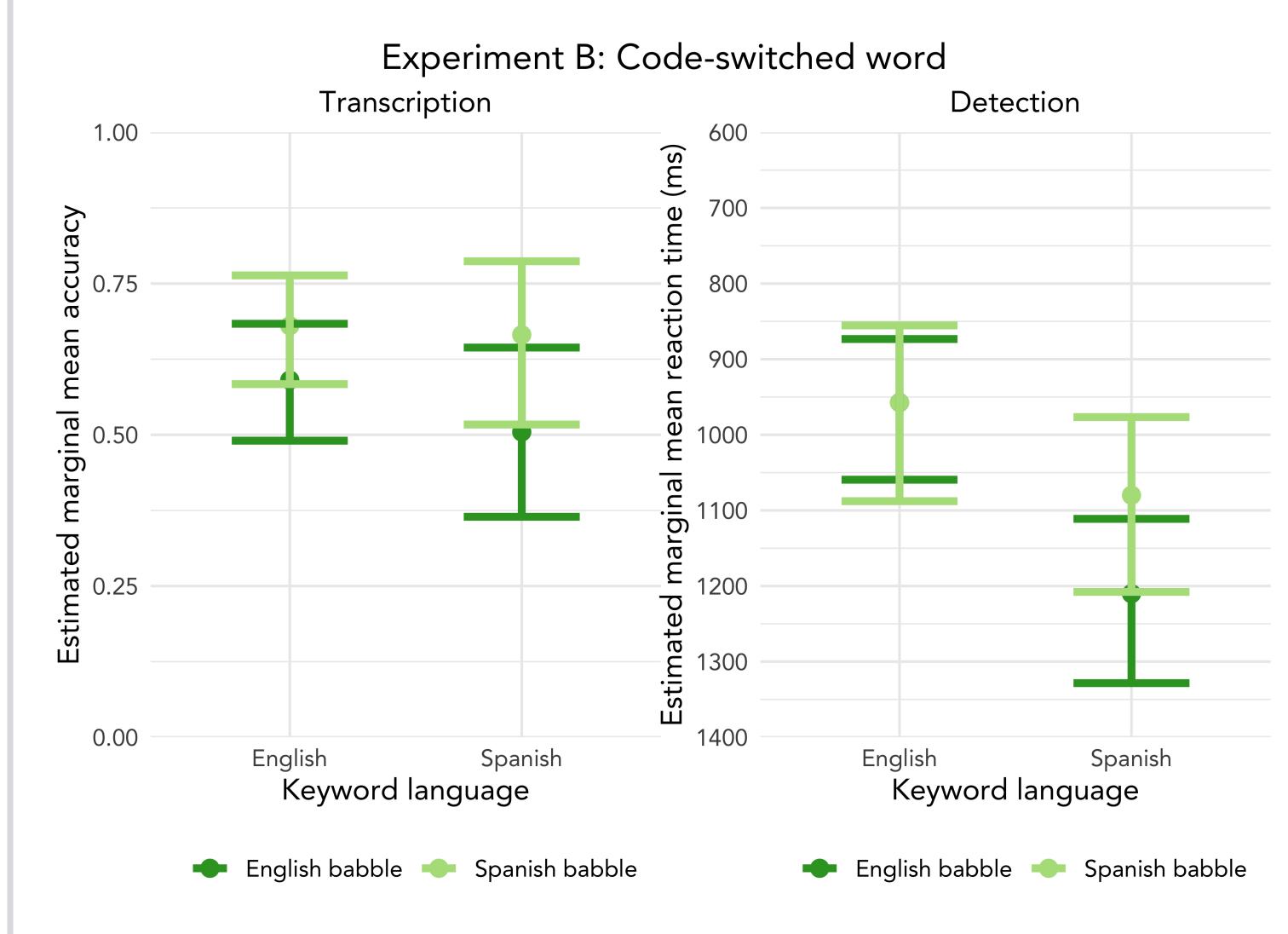




Accuracy benefit for English versus Spanish decreases by ~20% in code-switched versus single-language sentences



Code-switched Spanish words are more susceptible to masker language than code-switched English words

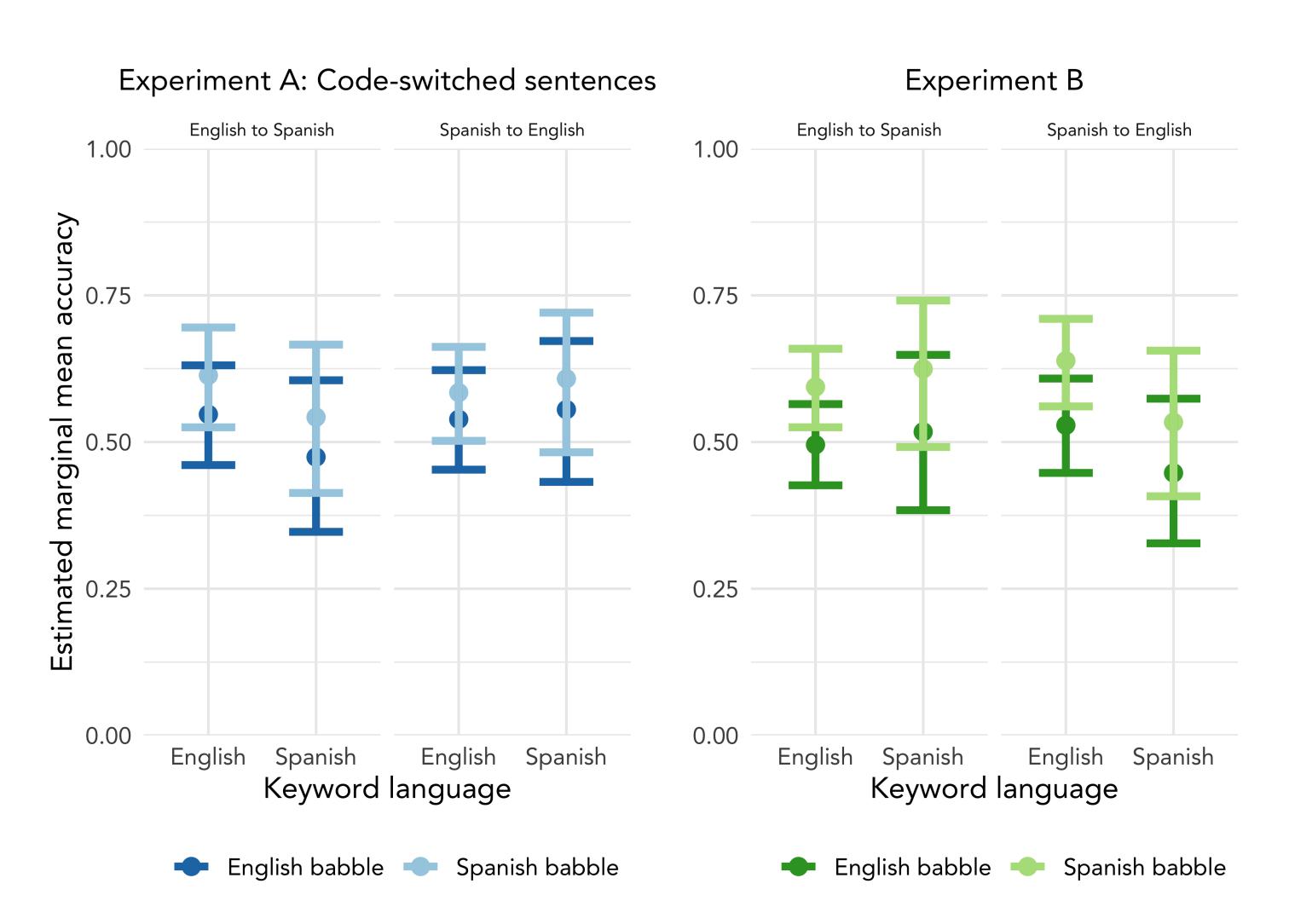




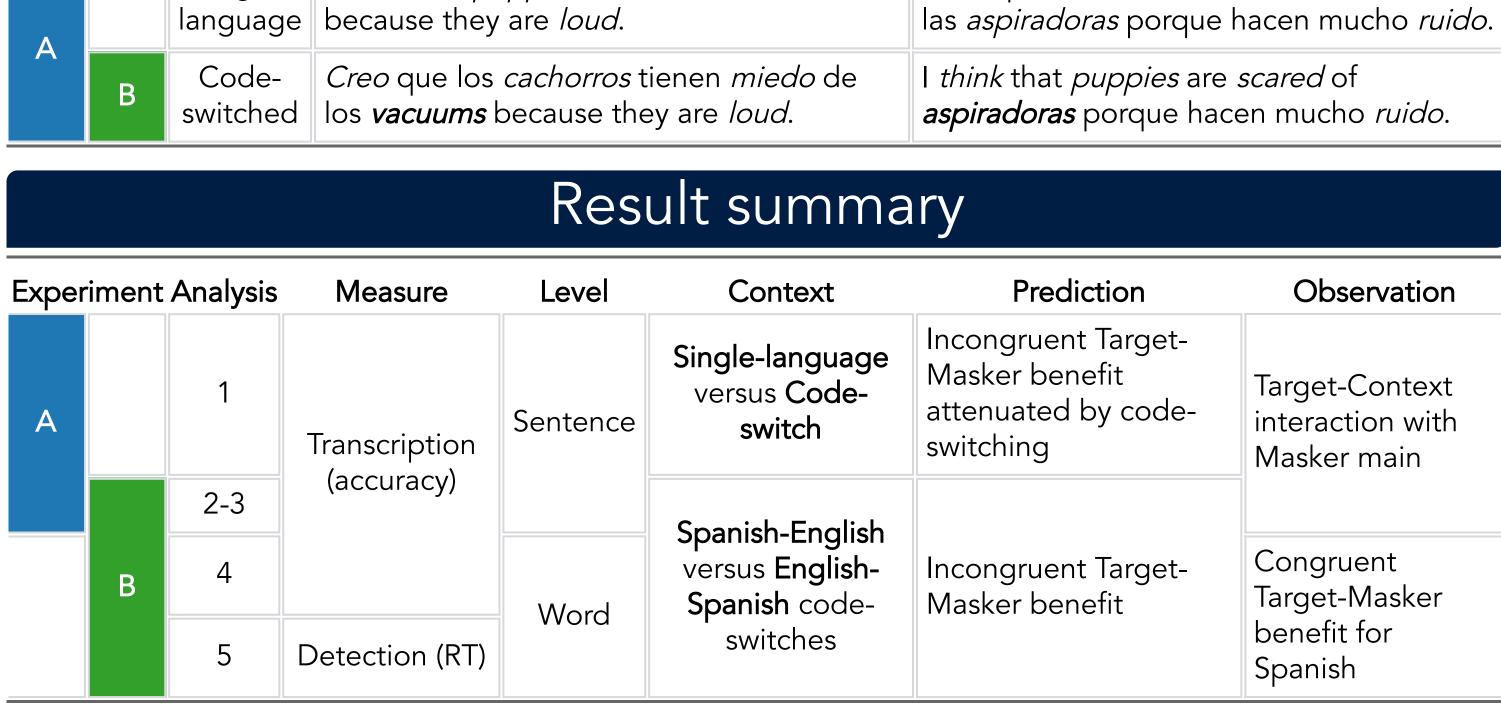
bilinguals







## Experiment



Stimulus examples

English critical word

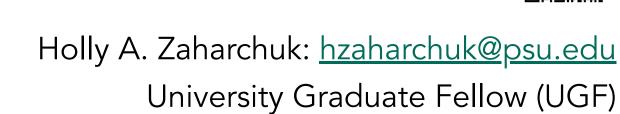
I think that puppies are scared of vacuums

## References and acknowledgements

Brouwer, S., Van Engen, K. J., Calandruccio, L., & Bradlow, A. R. (2012). Fernandez, C. B., Litcofsky, K. A., & Van Hell, J. G. (2019). Lecumberri, M. L. G., Cooke, M., & Cutler, A. (2010). Viswanathan, N., Kokkinakis, K., & Williams, B. T. (2018).

Sentence





Spanish critical word

Creo que los cachorros tienen miedo de

## Procedure

