

# Sussex Research

## Integration of iconic gestures and speech in left superior temporal areas boosts speech comprehension under adverse listening conditions

Henning Holle, Jonas Obleser, Shirley-Ann Rüschemeyer, Thomas C Gunter

### Publication date

01-01-2010

### Licence

This work is made available under the [CC BY-NC-ND 4.0](#) licence and should only be used in accordance with that licence. For more information on the specific terms, consult the repository record for this item.

### Document Version

Accepted version

### Citation for this work (American Psychological Association 7th edition)

Holle, H., Obleser, J., Rüschemeyer, S.-A., & Gunter, T. C. (2010). *Integration of iconic gestures and speech in left superior temporal areas boosts speech comprehension under adverse listening conditions* (Version 1). University of Sussex. <https://hdl.handle.net/10779/uos.23314229.v1>

### Published in

NeuroImage

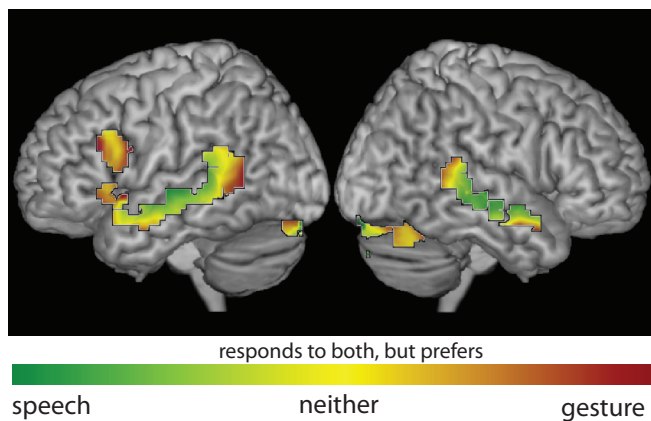
### Link to external publisher version

<https://doi.org/10.1016/j.neuroimage.2009.08.058>

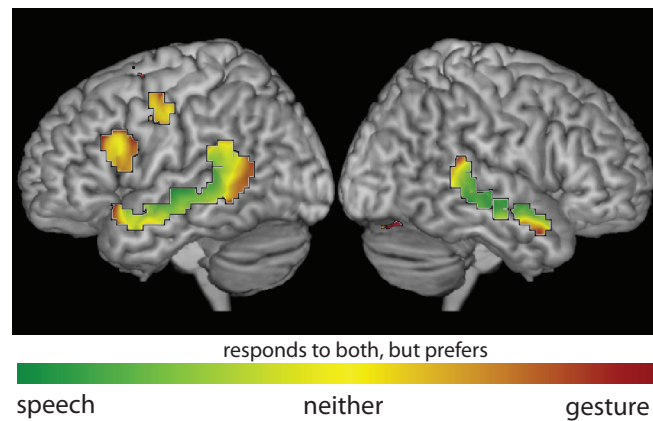
### Copyright and reuse:

This work was downloaded from Sussex Research Open (SRO). This document is made available in line with publisher policy and may differ from the published version. Please cite the published version where possible. Copyright and all moral rights to the version of the paper presented here belong to the individual author(s) and/or other copyright owners unless otherwise stated. For more information on this work, SRO or to report an issue, you can contact the repository administrators at [sro@sussex.ac.uk](mailto:sro@sussex.ac.uk). Discover more of the University's research at <https://sussex.figshare.com/>

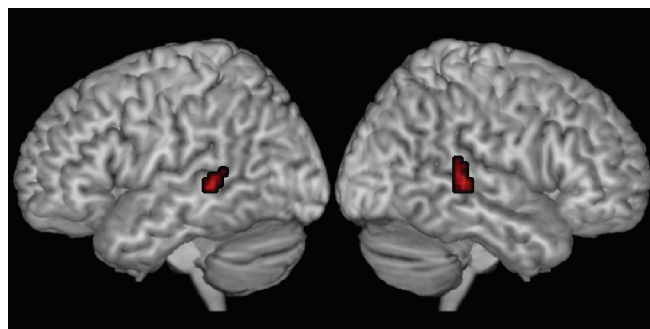
a) Bimodal Areas: Moderate SNR



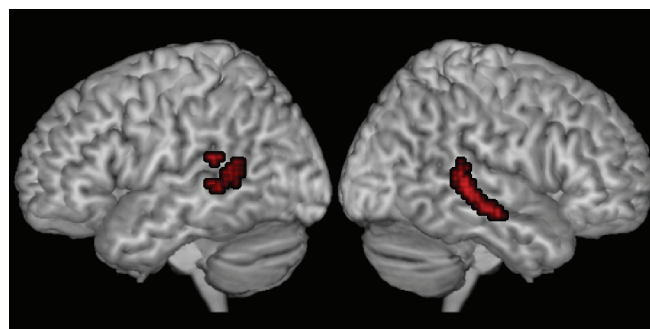
b) Bimodal Areas: Good SNR



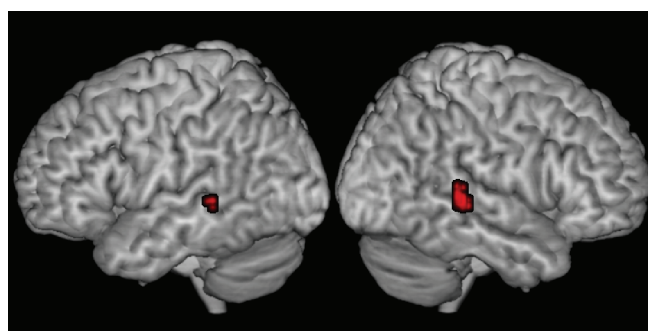
c) Integration Areas: Moderate SNR



d) Integration Areas: Good SNR



e) Overlap of Integration Areas



f) Test for Inverse Effectiveness

