Jia Ying

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Dr. James F. Lynch

Editor-in-Chief

The Journal of the Acoustical Society of America

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Dear Dr Lynch,

I am pleased to submit an original research article entitled “Articulatory-acoustic mappings in Australian English /l/” for consideration for publication in *The Journal of the Acoustical Society of America*.

In this manuscript, we show examined the relationships between articulatory and acoustic properties of Australian English /l/. We explored the timecourse of lateral articulation and the acoustic consequences for formant frequencies. We found that degree of tongue lateralization – the relative height of the sides of the tongue compared to mid-sagittal blade height – is a strong predictor of F3 frequency.

Together, we interpret the findings as evidence that acoustic characterization can be directly related to articulatory data. As there are very few papers reporting the relations between tongue blade movement and its acoustic consequence, we believe that this is an important contribution to speech production and therefore appropriate for publication in *The Journal of the Acoustical Society of America*. No part of the manuscript has been published before, nor is any part of it under consideration for publication at another journal. We have no conflicts of interest to disclose.

Thank you for your consideration.

Sincerely,

Jia Ying, PhD candidate,

MARCS Institute,

Western Sydney University