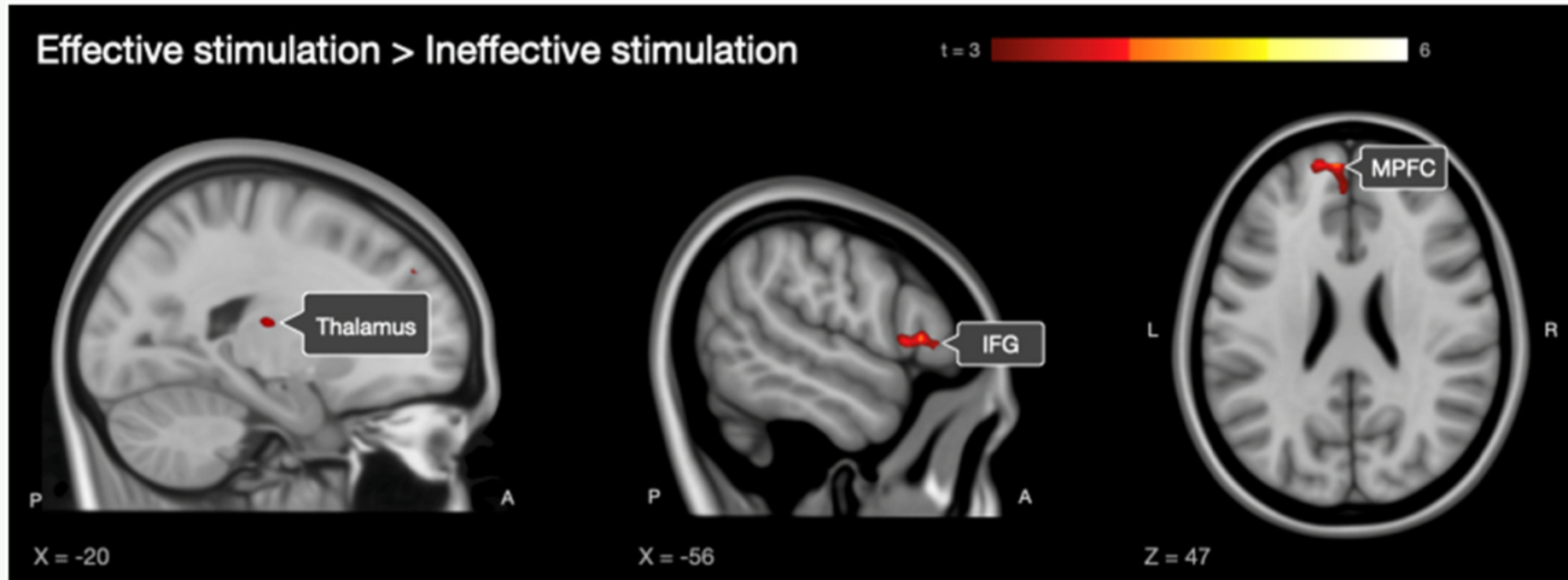


Speech-network responses depend on TMS timing

Left STG stimulation during object naming · 5 pulses at 10 Hz · onset at 0 or 200 ms



Later TMS onset produced greater BOLD responses in IFG, medial PFC and thalamus.

Twenty healthy participants; speech responses were recorded in a separate session outside the scanner.

Vasileiadi M, Schuler A-L, Woletz M, Witz V, Grosshagauer S, Coetzee J, Tik M. Chronometric interleaved TMS-fMRI shows state-dependent network effects underlying speech production. *Brain Stimulation*. 2026;19(1):103010. doi:10.1016/j.brs.2025.103010