Thursday December 16th, 12pm (noon) ET
Presentation in Zoom, accessible via the C-STAR website:
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Beyond Broca: Architecture and Evolution of a Dual Speech Control Model

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Broca identified a single left inferior frontal region—today's Broca's area—as the seat of "the faculty of articulated language", which he defined as motor speech coordination. We now understand that Broca's area (most of it at least) is involved predominantly in higher-level language functions. Where, then, is Broca's motor speech coordination system? Modern evidence suggests there are, in fact, two: one in ventral premotor cortex and one in dorsal premotor cortex. I will present evidence for the existence of these two systems and motivate a "dual speech coordination model" in which the dorsal system coordinates pitch-related vocalization features (e.g., prosody, song) and the ventral system coordinates syllabic and phonetic features. I will also discuss the implications of this model for the evolution of speech and language.

The online lecture can be followed online from your computer, tablet or smartphone, in **Zoom**.
The zoom link is accessible via the C-STAR website: http://cstar.sc.edu/lecture-series/

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