

**Thursday, November 30<sup>th</sup>, 1.30pm ET**

Presentation in Zoom, accessible via the C-STAR website:

<http://cstar.sc.edu/lecture-series/>

**Spatial and temporal neural dynamics for sentence production and comprehension**

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The organization of language in the healthy brain has been mostly studied from a perceptive point of view (i.e. while listening or reading), whereas neuroimaging studies with speaking are more rare. In this talk I will shift the focus to brain activity during sentence production, to understand to what extent there are similarities in the brain networks for language production and comprehension. I will focus on two studies on the brain responses to syntactic processing during production and comprehension, one eliciting production with a task and one with spontaneous production. The results suggest that the same brain regions are used for linguistic processing during speaking and listening, with some differences in the spatial and temporal dynamics of the brain responses between modalities. The implications for whether production and comprehension rely on the same neural systems for syntactic processing will be discussed in the context of the different goals and requirements of production and comprehension.

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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/>

There will be a watch party in Close-Hipp on the USC Columbia campus, room #206 ('Great Room')

For more information, or to be added to the C-STAR mailing list, contact Dirk den Ouden:  
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