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The SDSU Center for Clinical and Cognitive Neuroscience
presents its Student Seminar Series, featuring:

Laurie Glezer, Ph.D.

NeuroCognition Laboratory
Department of Psychology
San Diego State University

Examining phonological and orthographic selectivity across the reading network in skilled and less-skilled reading

Monday, December 5th

2:00 – 3:00 pm

6363 Alvarado Ct.

Suite 250, Conference Room

Over the past two decades much emphasis has been devoted to understanding the neural components involved in reading. There is general consensus that reading relies on a dorsal brain circuit involving the temporoparietal cortex for grapheme-to-phoneme conversion of novel words (i.e. phonology), and a ventral stream involving left occipitotemporal cortex (in particular in the so-called “visual word form area,” VWFA) for visual identification of familiar words (i.e. orthography). In addition, portions of the inferior frontal cortex have been posited to be an output of the dorsal reading pathway involved in phonology. While this dorsal versus ventral dichotomy for phonological and orthographic processing of words is widely accepted, it is not known if these brain areas are strictly selective to orthographic or phonological information, if/how these regions differ in people with reading difficulties (e.g. in people who have dyslexia) and if/how they might be altered in people who are deaf. This talk will review my work examining the neural selectivity to orthography and phonology in skilled and less-skilled reading in both hearing and deaf populations.

For more information, contact Jiwandeep Kohli
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