



Department of Psychology
The University of Hong Kong

香港大學心理學系

Departmental Seminar

The Neural Correlates and Behavioural Expertise Markers of Word Recognition is Modulated by the Type of Learning Experiences

11:30 a.m. – 12:30 p.m. | November 24, 2016 (Thursday)

Rm 813, 8/F, The Jockey Club Tower | Centennial Campus | The University of Hong Kong



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Abstract

Holistic processing (HP) and hemispheric lateralization are both expertise markers of object recognition. For example, HP and stronger right hemispheric lateralization are often associated with face and expertise in object perception. However, habitual selective attention to parts modulates HP (e.g., writing experience modulates HP of Chinese characters; drawing experience modulates HP of faces). In this seminar, I will discuss: (1) how different orthographies—logographic vs alphabetic—can dramatically alter the relation between HP and right-hemisphere neural signals; (2) how orthographic awareness enhances HP of Chinese character recognition for beginning learners; (3) the unique role of motor-sensory experiences during writing can modulate HP; (4) character reconstruction training through component learning as an alternative Chinese character learning strategy, in addition to extensive writing and copying, can benefit emergent Chinese readers.

~All are Welcome~

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