

Departmental Seminar

**Colour Selectivity in the Human Visual System
Measured with fMRI Adaptation
– from Thalamus to Cortex**

**12:00 noon – 1:00 p.m. | October 28, 2016 (Friday)
CPD-2.16 | Central Podium Level | Centennial Campus
The University of Hong Kong**



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Abstract

Some surprisingly basic questions about the functional organization of the human brain for colour vision remain controversial and unresolved. Is color encoded within dedicated pathways that exclude achromatic (black and white) information? Are there specialized areas in the human brain for colour vision? Alternatively, are integrated pathways sensitive to both color and achromatic contrast, sufficient to support color vision without the need for colour specialization? I will talk about these issues by drawing on the results of fMRI studies of colour vision. Based on recent fMRI adaptation experiments in my lab, done in collaboration with Dr. Dorita Chang, I will compare the level of functional specialization found for color processing as information transfers from the human LGN to V1, and the extrastriate areas of the dorsal and ventral pathways.

~All are Welcome~

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