

The University of Hong Kong
Department of Psychology

Departmental Seminar

Looking before Seeing: Evidence for a Saliency Map to Guide Bottom-up Attention in the Primary Visual Cortex (V1)

Date: July 21, 2015 (Tuesday)

Time: 11:30 a.m. – 12:30 p.m.

Venue: Room 813, 8/F, The Jockey Club Tower, Centennial Campus, HKU

Speaker: Professor Li Zhaoping
Department of Computer Science
University College London

I will briefly introduce the background: visual attention, visual saliency, and the theoretical hypothesis that the primary visual cortex (V1) creates a bottom-up saliency map to guide attention exogenously. Then I will show some surprising predictions of this hypothesis on our visual behavioral and experimental tests of these predictions. Furthermore, demonstrations of visual behavior and the accompanying data will be used to discuss implications of a saliency map in V1 on understanding visual attention and visual perception.