



香港城市大學
City University of Hong Kong
三十周年紀念 30th Anniversary
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Department of Biomedical Sciences presents a seminar on Neuroscience
*Hebbian and Homeostatic Plasticity in
Auditory Cortical Map Development and
Reorganization*

By
Prof. Bao Shaowen

*Assistant Professor,
Helen Wills Neuroscience Institute,
University of California at Berkeley, USA*

Date: 3 Nov 2014 (Monday)
Time: 11am – 12noon
Venue: Room Y5-203, Academic 1
City University of Hong Kong
Tat Chee Avenue, Kowloon Tong

Abstract:

The sound frequency map in the auditory cortex can be reorganized by sound exposure or hearing loss. The involvement of different types of synaptic plasticity in such sensory map change is unclear. We examined cortical frequency map development and reorganization in gene knockout mice with deficient Hebbian or Homeostatic synaptic plasticity. The findings indicate that these two types of plasticity are involved in different aspects of map development and reorganization, and their involvement is age-dependent.

Contact: Prof. He Jufang (3442-7042, jufanghe@cityu.edu.hk)

~ All are Welcome ~