國立清華大學

腦科學研究中心

NATIONAL TSING HUA UNIVERSITY

Brain Research Center

Special Seminar

Speaker : **Ralph Greenspan**
Senior Fellow in
Experimental Neurobiology,
The Neurosciences Institute,
UCSD

Title : **Gene Networks and the Evolution of Behavior**

Time : 10:00a.m.~12:00 p.m., Tuesday, Oct. 26, 2010

Place : Room 112, Life Science Building I

Host : Prof. Ann-Shyn Chiang (Tel:03-5742760)

Language: English

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About Dr. Ralph Greenspan

Ralph Greenspan, Ph.D.
Senior Fellow in Experimental Neurobiology
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Dr. Greenspan’s research focuses on genetic influences on behavior in the fruit fly, Drosophila. These studies include: the demonstration that the fly has a sleep-like behavior similar to that of mammals, the production of highly localized genetic alterations in the nervous system to alter behavior, molecular identification of genes causing naturally occurring variation in behaviors such as foraging, geotaxis, and aggression, studies of the circuitry underlying 'innate' courtship behavior; studies of the physiology and circuitry underlying salience responses and arousal states, and studies of the structure and function of gene networks. A recently begun effort in the lab also looks at the evolution of mechanisms of behavior in organisms with primitive nervous systems (jellyfish) and pre-nervous systems (Trichoplax and Paramecium).