ELSC-ICNC Seminar: Christian Broberger

December 13, 2012

On the topic of: TIDAL WAVES: Neural Network Mechanisms in the Control of Lactation and Neuroendocrine Secretion

ELSC & ICNC cordially invite you
to the lecture given by:

Christian Broberger
Department of Neuroscience, Karolinska Institute, Stockholm, Sweden

On the topic of:

"TIDAL WAVES: Neural Network Mechanisms in the Control of Lactation and Neuroendocrine Secretion"

The lecture will be held on Thursday, December 13, 2012
at 17:00, at ELSC-ICNC: Silverman Bldg., 3rd Wing, 6th Floor, Edmond J. Safra Campus

Light refreshments at 16:45

Abstract:

While network interactions and oscillations have been explored in several brain systems, there has been relatively little study of such phenomena in the hypothalamus. This lack of information is striking, given the vital role this brain region plays in survival behaviours such as defense, feeding and reproduction. We have recently described a novel gap junction-mediated oscillation in neuroendocrine dopamine neurones that control the pituitary release of prolactin, the hormone that mediates much of maternal physiology. In this presentation, I will describe our recent findings on the mechanisms and regulation of this network behaviour, and its potential implications for hormone secretion.
It is now widely accepted that deciphering the enigma of the brain is the most challenging intellectual endeavor of the 21st century, "The Century of the Brain" - Join our quest and become a friend of ELSC.

Our Int'l Ph.D. program provides outstanding students with top-notch courses in computational neuroscience.

The Jerusalem Brain Sciences Building will provide a state-of-the-art research and teaching facility for the Edmond and Lily Safra Center for Brain Sciences.

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