ELSC-ICNC Seminar: Stephen J. Eglen

November 22, 2012

On the topic of: “Theoretical models of the development of the nervous system”

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

Stephen J Eglen
Cambridge Computational Biology Institute, University of Cambridge

On the topic of:

"Theoretical models of the development of the nervous system"

The lecture will be held on Thursday, November 22, 2012
at 17:00, at ELSC-ICNC: Silverman Bldg., 3rd Wing, 6th Floor, Edmond J. Safra Campus

Light refreshments at 16:45

Abstract:

In this talk I will highlight the utility of theoretical models in understanding two keys steps in the
development of the visual system. In the first part of the talk, I describe the structural development of the
retina; in particular, how neurons arrange themselves into semi-regular spatial patterns. In the second part,
I describe potential mechanisms by which cells in the retina might project to the brain in a topographic
manner. I will close by highlighting the role that retinal patterning may or may not influence patterns in
cortical orientation preference maps (‘pinwheels’).
Studying at ELSC

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

read more

The Building

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.

read more

ELSC Media Channel

Get into our media channel and investigate ELSC's latest videos: seminars, public lectures, courses and video articles.

read more

Source URL: https://elsc.huji.ac.il/content/elsc-icnc-seminar-stephen-j-eglen