Mathematics of the brain

DECEMBER 8TH, 2015

Collège de France, 11 Place Marcelin Berthelot, Paris
Seminar Room D2

09:15-10:00 Bruno Cessac (Inria Sophia Antipolis, NeuroMathComp)
Statistical Analysis of Spike Trains in Neuronal Networks

10:15 – 11:00 Olivier Marre (Institut de la Vision)
Multiplexing motion in the retina

11:15 – 12:00 Srdjan Ostojic (GNT, ENS)
Intrinsically generated fluctuations in excitatory-inhibitory networks

Lunch Break

14:00-14:45 Bastien Fernandez (LPMA, CNRS, U. Paris Diderot and UPMC)
Transition to Massive Clustering in Populations of Degrade-and-fire Oscillators

15:00-15 :45 Michael Graupner (U. Paris Descartes)
Calcium as trigger of synaptic plasticity

Information – organization: Khashayar Pakdaman (IJM) & Jonathan Touboul (CIRB & Inria)