



**First Workshop HKUST-ENS  
October 2-3<sup>rd</sup>, 2014  
Paris, FRANCE  
Programme**



**Thursday 2 October- Morning- *Salon de la Direction***

9:00-10:30

**Welcome breakfast & Welcome address by**

**Pr. Marc Mézard**, Director of the ENS

**Dr. Antoine Triller**, Director of IBENS

**Dr. Werner Krauth** Director of the department of Physics, ENS

**Stéphanie Troufflard** Deputy Director of the Labex ENS- department of Physics

**Dr. Isabelle de Vendevre**, Director of International Relationships, ENS

**Session 1**

10:30 Micro rheological properties of large biomolecules

**Prof. Penger TONG** Chair Professor, Department of Physics, HKUST

11:00 Collective cell motion in confined environment

**Dr. Vincent HAKIM**, Research Director, LPS ENS (Laboratory of Statistical Physics)

11:30 Optical study of sensory integration in the rodent barrel cortex

**Dr. Laurent BOURDIEU**, Research Director, Group Leader IBENS (Institute of Biology of the ENS)

12:00 Regulation of ion channels and transporters by chemical and mechanical cues

**Prof. Pingbo HUANG** Associate Professor, Division of Life Science, HKUST

**12:30 - 14:30 Lunch**

**Thursday 2 October- Afternoon- *Salle des Actes***

**Session 2**

14:30 Molecular basis of fusion during neurotransmission: Membrane and pore dynamics, molecular assembly, energy and regulation

**Dr. Frédéric PINCET** Research Director, Group Leader, LPS ENS

15:00 Relation of vesicle positioning to pool identity and exocytotic fusion mode: Insight from real-time three-dimensional nanometer-accuracy tracking of single synaptic vesicles

**Prof. Hyeon PARK** Assistant Professor, Division of Life Science & Department of Physics, HKUST

15:30 Differential attachment and the evolution of social groups

**Dr. Silvia DE MONTE**, Senior investigator, IBENS

**16:00 Coffee Break**

16:30 Photo-control of protein activity at the single cell level in a live organism

**Dr. David BENSIMON** Research Director, Group Leader, LPS ENS

17:00 Micro- and nano-chips for bio-sensing

**Prof. Weijia WEN** Professor, Department of Physics, HKUST

17:30 Resurrecting brain slices: optical methods to assess microcircuits dynamics in vitro

**Dr. Stéphane DIEUDONNE**, Senior investigator, IBENS

## **Friday 3 October- Morning**

10:30 **IBENS Seminar/ Department of Biology/ Salle Favard**

Role of PICK1 and ICA69 complex in protein Trafficking and Diseases

**Prof. Jun XIA**

Professor, Division of Life Science, HKUST

*In parallel:*

Visits of selected labs and platforms at the department of physics

**12:00 -14:00 Lunch Meeting with ENS Students**

## **Friday 3 October- Afternoon**

14:15 **BioPhysics Seminar / Department of Physics**

Mitotic catastrophe: how aberrant mitosis ruins a good genome

**Prof. Randy Poon**

Professor, Division of Life Science, HKUST

*In parallel:*

Visits of selected labs and platforms at IBENS

**15:30 Coffee Break**

16:00-18h00 **Round table: Practical aspects related to internship, partnership, students exchange / room 504 – Department of Biology**

*Coordination : Dr. Sylvie Hermann-Le Denmat  
IBENS : Dr. Marion Wassef & Dr. Henrique Teotonio  
Department of Physics : Dr. Gerald Bastard*