

**Symposium on Mechanisms and Evolution of Living Systems
(ENS de Lyon - Academia Sinica) July 2nd**

Location: Amphi SVT, Site Monod.

830: Coffee

845 Introduction of Academia Sinica, and delegation **Yi-Shuian Huang**

0850-1030 Session 1

Abdou Khila

Introduction and
Developmental Genomics and Evolution

Yi-Jyun Luo

Genomic structural changes and the evolution of novelty in animals

Bertrand Mollereau

Lipid droplets trap cell death regulators and delay the execution of cell death

Chen Hui Chen

What can we learn from monitoring every single cell in a living fish?

1030-1050 coffee break

1050-1230 Session 2

Yad Ghavi-Helm

Adaptive Strategies of 3D Transcriptional Regulation in the Scrambled Genome of the tunicate *Oikopleura dioica*

Sheng-Feng Shen

How AI is Transforming Evolution and Biodiversity Studies

Emiliano Ricci

"Can Ribosomes be Specialized? How Viral Infection Rewires the mRNA Translation Machinery"

Hung-Hsin Chen

Medical Phenome-Wide Genomic Profiling and Polygenic Risk Model Development in the Taiwan Precision Medicine Initiative

Yi-Shuian Huang

Cap 2'-O-methylation in cerebellar development