

LECTURE SERIES & WORKSHOPS

# TRANSLATIONAL BIOINFORMATICS AND SYSTEMS BIOMEDICINE

# 30

NOVEMBER 2017

Thursday

**LECTURE**  
Maison du Savoir  
Room N° 2.230

**MEET THE SPEAKER\***

Light snacks provided  
Maison du Savoir  
Room N°2.220

4.00 - 5.00 pm

5.00 - 6.30 pm

\*Please register by sending a mail to  
[florence.henry@lih.lu](mailto:florence.henry@lih.lu)



**SPEAKER**

**Prof Ioannis XENARIOS**

Director Swiss-Prot & Vital-IT group  
SIB- Swiss Institute of Bioinformatics  
Center for Integrative Genomics  
University of Lausanne, Lausanne,  
Switzerland

**HOST:**

Department of Oncology

**RESPONSIBLE LIH SCIENTIST:**

Dr Francisco Azuaje

([francisco.azuaje@lih.lu](mailto:francisco.azuaje@lih.lu))

## SYSTEMS-LEVEL MODELING BETWEEN BIOCURATION, PREDICTIONS AND VALIDATIONS

**ABSTRACT**

In silico modeling how cells react, respond to its genetics and its environment is certainly a great vision of the computational field. The ability to mix different type of expertises ranging from biocuration to computational system modeler is also a way to establish a map of our current knowledge but also identifying the lack off it (in most cases). The

presentation will take a tour between constructing knowledge executable model and using these to predict and ultimately validate the discovery made by these models. The model is based on the tumor microenvironment and the ability to transform and revert certain cellular phenotypes.

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