

Organizer: **Mariela Bollati-Fogolín**

Co-organizers: **Paula Marques Alves; Martina Crispo; & Marcelo Comini**

Montevideo, URUGUAY

16- 27 October, 2017

This training course will cover critical aspects of mammalian cell and animal based screens for the discovery and identification of biologically active compounds. We provide an intensive, hands-on, 10-days training course, combining lectures, participant's posters and case studies sessions as well as practical activities in a wet lab. The course comprises lectures covering the following topics:

- Target identification and validation
- Preclinical testing: role of cell and animal models during drug development
- Assay development and validation: criteria for a robust and reliable cell assay for each stage/question
- Cell line selection: how to choose the best cell line for the purpose and assay
- Frequently used cell-based HTS assays: points to consider
- Complex cellular assays: HCS, reporter cell lines, 3D- and siRNA-based screens
- Stem cells, iPS, organoids
- Alternative animal models for drug testing
- Equipment and logistic: automation, data storage and data analysis

Post-Docs, PhD, Master Students, and Scientists working in the field of drug discovery are welcome to apply. Deadline for receipt of applications by local organizers: **16 July 2017**. For more information: secretaria@pasteur.edu.uy

Confirmed speakers: PAULA MARQUES ALVES (IBET/Portugal), MICHEL COHEN-TANNOUDJI (CNRS-IP Paris/France), HANSJÖRG HAUSER (HZI/ Germany), EBERHARD KRAUß (VIB/Belgium), JOO HWAN NO (IP Korea/Rep. of Korea), HEINZ RUFFNER (Novartis Institutes/Switzerland), GUSTAVO SALINAS (IP Montevideo/Uruguay), DAVID SHUM (IP Korea/Rep. of Korea), SHAHRAGIM TAJBAKHSI (IP Paris/France), Flavio ZOLESSI (IP Montevideo/Uruguay).

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