

# international courses 2022

Registration on [training.institut-curie.org](https://training.institut-curie.org)

**JAN. 10 - FEB. 11**

## **Molecular Biology of the Cell - 30<sup>th</sup> edition - Partnership with Institut Pasteur**

The regulatory mechanisms of protein and lipid dynamics at the plasma membrane; review of key biological concepts required to understand mechanical forces and collective migration in development and morphogenesis

Organizers: P. Chavrier (Institut Curie); R. Bruzzone (HKU-Pasteur Research Centre, Hong Kong); C. Zurzolo, V. Ponticelli (Institut Pasteur) @ Institut Pasteur | 2 ECTS

**FEB. 14 - 18**

## **4<sup>th</sup> course on Genome Instability and Human Disease - Virtual**

Causal relationships between genome instability and human diseases, including cancer. RNA and DNA-based mechanisms of genome stability, from the spatial genome organization to the chromatin landscape up to the regulation of genome dynamics in physiological and pathological conditions

Organizers: S. Lambert, A. Carreira, V. Borde, C. Chen, R. Ceccaldi (Institut Curie)

**MARCH 16 - 23**

## **17<sup>th</sup> Course on Epigenetics: from Nuclear Organization to Metabolism and Cell Fate in Normal State and Diseases**

Overview of epigenetic mechanisms and their links to gene expression and chromatin dynamics, in different systems. This edition will focus on the physiological and pathological aspects of epigenetics in relation with metabolism and maintenance of cell identity

Organizers: G. Almouzni, N. Dostatni, I. Simeonova (Institut Curie); LabEx DEEP | 6 ECTS

**APRIL 25 - 29**

## **Cell Biology and Cancer - 4<sup>th</sup> edition**

Tissue and cell homeostasis and cell growth regulation

Organizers: D. Matic Vignjevic & S. Miserey-Lenkei (Institut Curie); G. Montagnac (Institut Gustave Roussy) | 3 ECTS

**MAY 9 - 12**

## **6<sup>th</sup> Workshop on Lymphoid & Myeloid Cells Biology: from basic research to cancer immunotherapy**

Organizers: S. Amigorena, A-M. Lennon-Duménil, E. Romano, N. Amzallag (Institut Curie); J. Mateus-Tique (Mount Sinai Hospital, NYC, USA); Cristina João, MD MSc PhD, Fundação Champalimaud, Lisbon, Portugal | @ Fundação Champalimaud, Lisbon, Portugal

**MAY 11 - 18**

## **Non-Coding Genome - 11<sup>th</sup> edition**

Thematic sessions will include long and small non-coding RNAs, transposable elements, DNA repeats and non-coding regulatory elements

Organizers: A. Morillon & M. Pinskaya, LabEx DEEP (Institut Curie); S. Diederichs, DFH-UFA (University of Freiburg & German Cancer Research Center) | 6 ECTS

**JUNE 23 - 24**

## **Drug Development in Oncology - 1<sup>st</sup> edition**

Organizers: C. Le Tourneau, M. Kamal, F. Lokiec (Institut Curie)

**SEPT. 26 - 30**

## **5<sup>th</sup> course on Computational Systems Biology of Cancer: Multimodal Data Integration**

Organizers: I. Kuperstein, E. Barillot, W. Thomas, A. Zinovyev, C-A. Azencott, L. Calzone (Institut Curie & MinesParisTech); S. Allasouniere (Université Paris Descartes); D. Thieffry (IBENS) | 4 ECTS

**OCT. 4 - 8**

## **5<sup>th</sup> International Breast Cancer Course: from Clinics to Biology**

Overview of the most up-to-date clinical management of breast cancers as well as the most important issues in their biology

Organizers: A. Vincent-Salomon, F. Mechta-Grigoriou, F-C. Bidard, A. Lanzi (Institut Curie)

**OCT. 17 - 28**

## **International Developmental Biology Course: from Stem Cells to Morphogenesis - 13<sup>th</sup> edition**

Stem cells, tissue and organ development, morphogenesis and pattern formation. Model systems: from worms to flies, plants and marine organisms

Organizers: A. Bardin, Y. Bellaïche, J.L. Maître (Institut Curie); M. Umbhauer, C. Carron-Homo (Sorbonne Université) | 12/6 ECTS

**NOV. 2 - DEC. 9**

## **Molecular Genetics & Epigenetics - 8<sup>th</sup> edition - Partnership with Institut Pasteur**

Organization and expression of eucaryotide genomes; molecular and cellular mechanisms of genome integrity

Organizers: B. Arcangeli, S. Bachellier-Bassi, T. Bourgeron, M. Debatisse (Institut Pasteur); I. Draskovic (Institut Curie) | 18 ECTS

**NOV. 29 - DEC. 2**

## **Development and Cancer - 12<sup>th</sup> edition**

Development of pigmented cells and their transformation into melanomas; pediatric cancers; From fondamentale research to therapy using multiple models and multiscale approaches

Organizers: A-H. Monsoro-Burq, S. Saule, B. Bonneau, F. Coquelle (Institut Curie) | 3 ECTS

**DEC. 12 - 15**

## **SIREDO - 2<sup>nd</sup> course on Sarcoma: from birth to adulthood, some similarities, and many differences**

Organizers: O. Delattre, D. Orbach, V. Laurence, F. Doz, S. Azzi-Hatem (Institut Curie)