



The Cancer Initiative Symposium

Friday, 9th December, 2022

Auditorium François Jacob

PROGRAMME

9:00 – 9:10 Welcome Address - **Christophe d'Enfert** – Scientific Director,
Sandrine Etienne-Manneville & Ludovic Deriano - Cancer Initiative Coordinators

9:10 – 12:25 **Session 1: Cancer biology** – *Co-chaired by Romain Levayer & Benoît Arcangioli*

9:10 **Han Li** - Impact of senescence in mammary gland development and breast cancer.

9:25 **Romain Levayer** - Dissecting the competitive interactions between oncogenic cells and the surrounding tissue

9:40 **Andres Alcover** - Adenomatous polyposis coli, a tumor suppressor and polarity regulator, is a multistage modulator of immune cell responses

9:55 **Pauline Speder** - Tug of war: interactions between tumor and healthy cells in a model of pediatric brain cancer

10:10 **Sandrine Etienne-Manneville** - Targeting Glioblastoma Cell Invasion

10:25 **Pablo Navaro Gil** - A new role for two old friends or how Myc/Max trigger a post-mitotic hypertranscription state in pluripotent cells

10:40 **Coffee break (30 min)** – *Foyer Auditorium François Jacob*

11:10 **Ludovic Deriano** - DNA double-strand break repair: alternative endings in immune and cancer cells

11:25 **Benoit Arcangioli** - Quiescence mutational landscapes

11:40 **Niels Volkman** - Nanometer-scale responses of mammary epithelial cells to changes in matrix stiffness and dimensionality

11:55 **Charles Baroud** - Analyzing cancer-immune interactions in microfluidics

12:10 **Caroline Demangel** - Targeting protein translocation in Cancer

12:25 **Discussion (35 min)**

13:00 – 13:40 **Lunch Break** – *Buffet served in the Foyer Auditorium François Jacob*

13:40 – 14:55 Session 2: Cancer and Microbes – Co-chaired by Eliette Touati & Agathe Subtil

13:40 Ewa Pasquereau - *Streptococcus gallolyticus* induces a pro-tumoral shift in the colon of AOM-induced CRC model in A/J mice

13:55 Eliette Touati- *H. pylori* infection and gastric cancer: from molecular events to biomarkers identification

14:10 Amel Mettouchi - Bacteria and cancer : CNF1 cyclomodulin toxin from pathogenic *E. coli* and colorectal cancer

14:25 Agathe Subtil- DNA damage in *Chlamydia* infected cells is linked to the metabolic imprint of infection

14:40 Pascal Pineau - Liver cancer in children and adolescents with Indigenous American ancestry in Peru: unusual interplay between early infection with hepatitis B virus and environmental factors

14:55 Coffee break (20 min) – Foyer Auditorium François Jacob

15:15 – 17:00 Session 3: Innovative Therapies - Co-chaired by Paola Arimondo & Uwe Maskos

15:15 Paola Arimondo - DNA methylome combined with chromosome cluster-oriented analysis provides an early signature for cutaneous melanoma aggressiveness.

15:30 Raphaëlle Drean - Advances in cancer immunotherapy development : VHH-based immune checkpoint inhibitors targeting the receptor ILT4

15:45 Marcel Hollenstein - Enhancing the therapeutic usefulness of PDT treatment of cancer with aptamers

16:00 Uwe Maskos - Human nicotinic receptor polymorphisms in COPD and lung cancer

16:15 Nader Yatim- Prediction of autoimmune adverse events with immune checkpoint inhibitors

16:30 Frederic Tangy - MVdeltaC: a new therapeutic vaccine demonstrates efficient preclinical immuno-oncolytic activities

16:45 Jean-Baptiste Masson - Geometry of cancer

17:00 Concluding remarks