



CENTRE DE RECHERCHE
DES CORDELIERS

CRC SCIENTIFIC DAY

FRIDAY, SEPTEMBER 23, 2022

9h-22h30

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Morning session

9h-10h15: Technologic Innovation

Moderators: Manon Allaire and Guillaume Beinse

❖ **Stéphanie Descroix** (*Institut Curie*) **Development of organ on chip for biology and clinics**

- **Allan Sauvat** How deep learning and computer vision can improve drug discovery: the case of ICD (*Metabolism, Cancer, Immunity - Guido Kroemer*)
- **Jonathan Caron** Waldenström macroglobulinemia: role of the microenvironmental landscape in drug resistance (*Cell Death and Drug Resistance in Hematological Disorders - Santos Susin*)
- **Claire Gallois** Intratumor heterogeneity in stage III colon cancer: gene signatures of tumor microenvironment predictive of recurrence (*Personalized MEdicine, Pharmacogenomics, Therapeutic Optimization - Pierre Laurent-Puig*)

> 10h15: **Sponsor Presentation** : MedChemExpress

10h30-11h: **Coffee Break**

11h-12h15: Metabolism, Immunology & Cancer

Moderators: Jonathan Pol and Sandra Rebouissou

❖ **Hughes de Thé** (*Collège de France*) **PML nuclear bodies, unexpected effectors of AML response to therapies.**

- **Margot Revel** Role of the Complement system in cancer (*Inflammation, complement and cancer - Isabelle Cremer*)
- **Joanna Gonçalves-Araujo** Functional role of the couple DNAM-1/CD155 in the immunosurveillance of hepatocellular carcinoma (*Proliferation, Stress and Liver Physiopathology - Chantal Desdouets*)
- **Amine Majdi** Using spatial quantitative analysis to predict the efficacy of immunotherapy in non-small cell lung cancer (*Integrative Cancer Immunology - Jérôme Galon*)

> 12h15: **Sponsor's Presentation** : Dynamics Biosensors

12h30-14h15: **Lunch & Poster session**



Afternoon session

14h15-14h45 : My PhD in 180 seconds

Moderators: Solenne Marmier and Christophe Klein

- **Daniela Rodrigues-Braz** Effects of mineralocorticoid receptor antagonism in a rat model of corneal neovascularization (*Physiopathology of ocular diseases: therapeutic innovations - Francine Behar-Cohen*)
- **Karla Alvarez** Repair me if you can: lysosomal damage in the control of cancer cell fate (*Metabolism, Cancer, Immunity - Guido Kroemer*)
- **Claudia Campani** Biomarkers of response to systemic treatments in advanced hepatocellular carcinoma (*Functional Genomics of Solid Tumors - Jessica Zucman-Rossi*)
- **Maya Arnould** Molecular heterogeneity of pleural mesothelioma (*Functional Genomics of Solid Tumors - Jessica Zucman-Rossi*)
- **Fanny Léandre** The role of the isoform A of the insulin receptor in liver homeostasis and carcinogenesis (*Oncogenic functions of beta-catenin signaling in the liver - Sabine Colnot*)
- **Clarice Groeneveld** Multi-omics investigations of inter- and intra-tumor heterogeneity reveal biomarkers of response to therapies in bladder cancer (*Personalized Medicine, Pharmacogenomics, Therapeutic Optimization - Pierre Laurent-Puig*)

14h45-16h: Therapeutic innovation & precision medicine

❖ **Aurélien de Reyniès** (*Personalized Medicine, Pharmacogenomics, Therapeutic Optimization*) **RNA biomarkers in precision medicine, today and tomorrow**

- **Amélie Roehrig** Integrated genomic analysis of hepatoblastoma cellular plasticity (*Functional Genomics of Solid Tumors - Jessica Zucman-Rossi*)
- **Alice Rogier** Knowledge representation for the study of responses to chemotherapy (*Health data- and model- driven Knowledge Acquisition - Sarah Zohar*)
- **Rohini Sekar** GPVI is a binding partner for FVIII on platelets (*Immunopathology and Therapeutic Immuno-intervention - Sébastien Lacroix-Desmazes*)

16h20-17h35: Environmental Exposure, Cancer & Chronic Diseases

Moderators: Emilie Picard and Stéphane Lourdel

- **Bastien Leclercq** Shedding light on the peripheral nervous system in ocular diseases: the choroidal nervous system (*Physiopathology of ocular diseases: Therapeutic innovations - Francine Behar-Cohen*)
- **Melissa Bou Jaoudeh** Removal of neutralizing anti-factor VIII IgG by IdeS in hemophilia A (*Immunopathology and Therapeutic Immuno-intervention - Sébastien Lacroix-Desmazes*)
- **Nunthawan Nowwarote** Role of Notch signaling pathway in oral stem cell extracellular matrix (*Molecular oral physiopathology - Ariane Berdal*)

❖ **Francine Béhar-Cohen, Prix Inserm Innovation 2021**
(*Physiopathology of ocular diseases: therapeutic innovations*)
Non-viral ocular gene therapy: from bench to bedside

17h35: Prize Ceremony & Closing

16h - 16h20: Coffee Break

Poster presentations

- **17h45-19h : Cocktail and musical event**

Chamber Choir Agapanthe

Direction Isabelle Retailleau (with Martine Dutilleul, chorus singer)

- **19h: Dinner and Dance party**
- **22h30: End of CRC day**

- **Léa Dehgane** (*Team Santos Susin*) BTKi resistance in Chronic Lymphocytic Leukemia: Role of REL in the gain of the short arm of chromosome 2 (2p gain)
- **Kenza Dubois** (*Team Santos Susin*) Metabolic reprogramming and drug resistance in CLL : role of exosomes from the tumour microenvironment
- **Mariana Tannoury** (*Team Santos Susin*) Metabolic reprogramming in chronic lymphocytic leukemia: implication of peroxisomal fatty acid oxidation
- **Camille Joubel** (*Team Sabine Colnot*) Remodeling of the liver immune microenvironment in β -Catenin-dependent tumorigenesis : DLK1/DIO3 locus case
- **Elise de Combiens** (*Team Gilles Crambert*) Evolution of Dent disease
- **Samia Lasaad** (*Team Gilles Crambert*) Implication of GDF15 in the context of a renal adaptation to a low potassium diet
- **Enza Robustelli** (*Core Facility CHIC*) Spatial transcriptomics technology development using GeoMx Digital Spatial Profiler nanostring technology.
- **Andrea Checcoli** (*Team Guido Kroemer*) Modeling of Immunogenic Cell Death
- **Pierre Morel Ribeiro** (*Team Jessica Zucman-Rossi*) New therapeutic targets in pediatric liver cancer
- **Khawla Bennani** (*Team Jessica Zucman-Rossi*) TEAD family transcription factors in pleural mesothelioma
- **Angelina Mimoun** (*Team Sébastien Lacroix-Desmazes*) Transplacental delivery of maternal FVIII for induction of immune tolerance to therapeutic FVIII
- **Alejandra Reyes Ruiz** (*Team Sébastien Lacroix-Desmazes*) Induction of neonatal tolerance to therapeutic FVIII in Hemophilia A
- **Constantin Anoyatis-Pelé** (*Team Michel Arthur*) Role of autolysins in peptidoglycan metabolism in Escherichia coli
- **Lucille Ferret** (*Team Guido Kroemer*) Targeting lysosomes to increase the efficacy of DNA ligands against cancer
- **Claire Lailier** (*Team Pierre Laurent-Puig*) Investigating the contribution of the cellular prion protein to epithelial to mesenchymal transition in non-small cell lung cancer



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