

Cellular Biology of Cancer

Valérie Lallemand-Breitenbach, Marie-Claude Geoffroy & Hugues de Thé

Place: Institute of Research Saint-Louis (IRSL) – Saint-Louis hospital – **16 rue de la grange aux belles 75010 PARIS**

Monday, November 28th

Introduction

9h30-10h00: Welcome and introduction: Organization of the week. *Valérie Lallemand-Breitenbach (Collège de France, Paris) & Marie Claude Geoffroy (IRSL, Paris)*

Signal transduction

10h00-11h30: Signal transmission and gene transcription. *Jacques Ghysdael (Institut Curie, Orsay)*

11h30-12h30: NF-kappaB, inflammation and cancer. *Emmanuel Laplantine (IRSL, Paris)*

Apoptosis and senescence: **ZOOM**

13h30-15h00: *Cellular mechanism of senescence. Part I. Eric Gilson (Université Sophia-Antipolis, Nice)*

15h30-17h00: Cellular mechanism of senescence. PartII. *Julien Cherfils-Vicini (Université Sophia-Antipolis, Nice)*

Tuesday, November 29th

Apoptosis and senescence

9h30-11h00: Cellular mechanism of apoptosis and deregulation in cancer. *Eric Solary (Institut Gustave Roussy, Villejuif)*

Cell differentiation

11h30-13h00: Haematopoietic differentiation. *William Vainchenker (Institut Gustave Roussy, Villejuif)*

lunch break

14h00-15h30: *Differentiation alterations in hematologic malignancies. Thomas Mercher (Institut Gustave Roussy, Villejuif)*

Epigenetic and cancer

15h30- 17h00: Epigenetic dysregulation in transformation and therapy resistance. *Camille Lobry (IRSL, Paris)*

Wednesday, November 30th

Cellular Metastases and angiogenesis

9h30-11h00: Tumour angiogenesis and metastasis. *Stéphane Germain (Collège de France, Paris)*

Cellular and animal models

11h-12h30: Identification of targeted therapeutic agents, dissection of cancer mechanism. *Hugues de Thé (Collège de France & IRSL, Paris)*

lunch break

Metabolism and cancer: **ZOOM**

13h30-15h00: Metabolism. *Alice Carrier (Institut Paoli Calmette, Marseille)*

Cell differentiation

15h30-17h00 : Plasticity of unipotent mammary stem cells and its link to breast cancer. *Sylvia Fre (Curie Institute, Paris)*

Thursday, December 1st

Bibliography session:

9h00-12h00: Student groups will present papers for a collaborative course on PML nuclear bodies and cancer. *Valérie Lallemand-Breitenbach (Collège de France, Paris) & Marie Claude Geoffroy (IRSL, Paris)*

Computational biology

13h00-14h30: In silico functional analysis (expression data). *Aurélien de Reyniès (Université de Paris/APHP, Paris)*

Friday, December 2nd : 14h-16h: EXAM: Paper



analysis