

Cellular Biology of Cancer

Marie-Claude Geoffroy & Hugues de Thé

Place: Institut de Recherche Saint-Louis (IRSL), Hôpital Saint-Louis, Bat. Jean Bernard
16 rue de la grange aux belles 75010 PARIS

Monday, November 27th

Introduction

9h30-10h00: Welcome and introduction: Organization of the week. *Marie-Claude Geoffroy (IRSL, Paris)*

Signal transduction

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

11h30-12h45: NF-kappaB, inflammation and cancer. *Emmanuel Laplantine (CIMI, Paris)*

Lunch break

Metabolism and cancer: ZOOM

13h45- 15h15 : Metabolic adaptations in cancer stem cell and therapy resistance. *Jean-Emmanuel Sarry (Centre de Recherches en Cancérologie, Toulouse)*

Cell differentiation

15h30-17h00 : Cell fate and plasticity of glandular epithelial stem cells. *Silvia Fre (Curie Institute, Paris)*

Tuesday, November 28th

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

Computational biology:

15h45-17h15: In silico functional analysis (expression data). *Aurélien de Reyniès (Université de Paris/APHP)*

Wednesday, November 29th

Apoptosis and senescence:

9h30-11h00: Cellular mechanism of senescence. Part I. *Eric Gilson (Université Sophia-Antipolis, Nice)*

11h15-12h45: Cellular mechanism of senescence. Part II. *Julien Cherfils-Vicini (Université Sophia-Antipolis, Nice)*

Lunch break

Epigenetic and cancer :

13h30-15h00: Epigenetic dysregulation in transformation and therapy resistance. *Camille Lobry (IRSL, Paris)*

Cell differentiation

15h30-17h30: Differentiation alterations in hematologic malignancies. *Thomas Mercher (Institut Gustave Roussy, Villejuif)*

Thursday, November 30th

Bibliography session:

9h30-12h00: Student groups will present papers for a collaborative course on PML nuclear bodies and cancer. *Marie Claude Geoffroy (IRSL, Paris)*

Friday, December 1st:

13h30-15h30: EXAM: Paper analysis

