

M2 European Master : Genetic

Cellular Biology of Cancer

Valérie Lallemand-Breitenbach, 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

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)*

11h30-13h: NF-kappaB, inflammation and cancer. *Emmanuel Laplantine (IRSL, Paris)*

Lunch break

Apoptosis and senescence:

14h00-15h30: **ZOOM:** Cellular mechanism of senescence. *Part II. Julien Cherfils-Vicini (Université Sophia-Antipolis, Nice)*

16h00-17h30: *Cellular mechanism of senescence. Part I. Eric Gilson (Université Sophia-Antipolis, Nice)*

Tuesday

Apoptosis and senescence

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

Cell differentiation

11h30-13h00: **ZOOM:** 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)*

Epigenetic and cancer

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

Wednesday

Cellular Metastases and angiogenesis

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

Computational biology

11h30-12h30: *In silico* functional analysis (expression data). *Aurélien de Reyniès (Université de Paris/APHP)*

Lunch break

Metabolism and cancer:

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

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

Thursday

Cell differentiation:

9h00-10h30: **ZOOM:** *Differentiation alterations in hematologic malignancies. Thomas Mercher (Institut Gustave Roussy, Villejuif)*

Bibliography session:

11h00-13h00: 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)*

Friday : 13h30-15h30: EXAM: Paper



analysis