

## M2 European Master : Genetic

### Cellular Biology of Cancer

**Marie-Claude Geoffroy & Hugues de Thé**

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



#### Monday, November 27<sup>th</sup>

##### **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**

##### **Epigenetic and cancer**

13h45- 15h15 : Epigenetic dysregulation in transformation and therapy resistance. *Camille Lobry (IRSL, Paris)*

##### **Cell differentiation**

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

#### Tuesday, November 28<sup>th</sup>

##### **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 29<sup>th</sup>

##### **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**

##### **Metabolism and cancer:**

13h30-15h00: Metabolic adaptations in cancer stem cell and therapy resistance. *Jean-Emmanuel Sarry (Centre de Recherches en Cancérologie, Toulouse)*

##### **Cell differentiation**

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

#### Thursday, November 30<sup>th</sup>

##### **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 1<sup>st</sup>:

13h30-15h30: EXAM: Paper analysis

