

## **Oncobiology 2013**

### **The structure of the module:**

This module (1-12 April) has a dual structure: lectures and seminars, and work on research projects. XXII Porto Cancer Meeting & III Porto-Bordeaux Joint Meeting XXI 11th and 12th April 2013 about: "Translational research in cancer: bringing basic science and pathology to clinical oncology"

### **The aims of the module:**

The Oncobiology module will have sessions to discuss biological/molecular mechanisms of cancer development and progression. Sessions will include discussion of clinical cases followed by open discussions with the students about the underlying etiological factors, the biological pathways and molecular mechanisms underlying pathological lesions. The sessions will include:

- 1- Presentation of clinical cases (sporadic and hereditary)
- 2- Pathological aspects of the tumours
- 3- Etiology and molecular basis of the disease

**Teaching staff:** Senior Researchers of IPATIMUP and Medical Faculty, and Post-docs.

### **1 April**

#### Morning:

9.00-9.30 - Documents and structure of the module (Participants: R Seruca and Celso Reis)

10.00-13.00 - Distribution of the projects (R Seruca and Celso Reis, with the collaboration of Joana Paredes, Carla Oliveira, Ana Almeida/Paula Soares).

#### Afternoon:

15.30-17.00 - Cancer genes: Beyond the classic dual division (Participant: M Sobrinho-Simões)

17.00-19.00 – Projects preparation/discussion.

### **2 April**

#### Morning:

9.30-12.00 – Oncogenes and Tumor suppressor genes (Participants: Raquel Seruca)

#### Afternoon:

14.30–18.00 - Cell growth (proliferation, apoptosis and metabolism). (Participants: Paula Soares, Valdemar Máximo, Jorge Lima, M Sobrinho-Simões).

18.00-19.00 – Projects preparation/discussion.

### **3 April**

#### Morning:

9.30-12.00 – Genomic instability

(Participants: Raquel Seruca, José Carlos Machado)

#### Afternoon:

14.30-17.00 – Cell and tissue differentiation

(Participants: Raquel Almeida, Leonor David)

17.30-19.00 – Projects preparation/discussion.

### **4 April**

#### Morning:

9.30-12.00 – Infection and cancer: the example of *Helicobacter pylori* and gastric carcinoma"

(Participants: Céu Figueiredo, Marina Leite e Cecília Durães)

#### Afternoon:

15.00-17.30 – Cancer Metastization (Participants: Fernando Schmitt, Carla Oliveira)

17.30-19.00 – Projects preparation/discussion.

### **5 April**

#### Morning:

9.30-13.00 – Cancer Cell invasion

(Participants: Raquel Seruca, Fátima Carneiro)

#### Afternoon:

15.00-19.00 – Projects preparation/discussion.

· **8 April**

Morning:

9.30-12.00 – Cancer Stem Cells

(Participant: Joana Paredes; Gabriela Almeida)

Afternoon:

14.00-15.30 – Genomics and Cancer (Participant: Carla Oliveira)

16.00-19.00 – Projects preparation/discussion.

· **9 April**

Morning:

9.30-13.00 – Role of glycosylation in cancer.

(Participants: Celso Reis, Hugo Osório, Salomé Pinho)

Afternoon:

15.00-16.30 – "Mass Spectrometry based peptide quantitation for studying epigenetic modulators used in cancer therapies" (Participant: Rune Matthiesen)

17.00-19.00 – Projects preparation/discussion.

· **10 April**

9.00 - 10.30 - Drug resistance. (Participant: Helena Vasconcelos)

11.00 - 13.00 – Project preparation

14.00 - 18.00 - Projects: presentations and general discussion.

· **11 and 12 April** “Translational research in cancer: bringing basic science and pathology to clinical oncology”