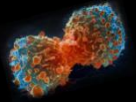




# Translational Control: from basics to Cancer

April 23<sup>rd</sup>-24<sup>th</sup> 2015, Montpellier



## Thursday April 23<sup>rd</sup>, 2015

**12h30** Participants' welcome & coffee

13h20 Welcome by the organizers

### 13h30 **Session 1: The Translation Machinery**

Chairpersons: M. Yusupov, A. David

**Lecture:** Structural basis for the inhibition of the eukaryotic ribosome - Marat YUSUPOV, IGBMC, Strasbourg

- *In vivo* regulation of ribosome biogenesis - Michel COHEN-TANNOUDJI, Pasteur Institute, Paris
- Manipulation of translation fidelity to induce cancer cell apoptosis - Olivier NAMY, IGM, Orsay
- Insights into an unusual oligomeric state for a protein kinase involved in 40S ribosome maturation Sébastien FRIBOURG, IECB, Bordeaux
- Specific functions of exonucleases in synthesis of the human 40S ribosomal subunit - Pierre-Emmanuel GLEIZES, LBME, Toulouse
- Identification of enzymatic activities within human RNA polymerase III - Martin TEICHMANN, IECB, Bordeaux

**16h15** Coffee break

### 16h50 **Session 2, part 1: Multifaceted regulation of gene expression**

Chairpersons: SB Qian, JJ Diaz

**Lecture:** Regulation of gene expression by alternative translation - Shu-Bing QIAN, Cornell University

- Taking a broad view at mRNA localization - Edouard BERTRAND, IGMM, Montpellier
- Crosstalks in ribosomal and transfer RNA modification - Denis LAFONTAINE, University of Brussels
- Differentiating p53 activity via the folding of its mRNA - Robin FAHRAEUS, UMR 940, Paris
- Regulation of selenoprotein biosynthesis by selenium, oxidative stress and aging - Laurent CHAVATTE, UMR5254, LCABIE, Pau

**19h10** Cocktail & posters session

## Friday April 24<sup>th</sup>, 2015

**8h30** Coffee

### 9h00 **Session 2, part 2: Multifaceted regulation of gene expression**

Chairpersons: M. Hentze, JJ Diaz

**Lecture:** RNA-binding proteins, metabolism and a new function for the genome - Matthias HENTZE, EMBL, Heidelberg

- The RNA binding protein hnRNP A1 regulates Ron mRNA translation and breast cancer metastasis Anne CAMMAS, CRCT, Toulouse
- VEGF-D translational regulations promote tumor lymphatic vessels dilatations and metastasis Barbara GARMY-SUSINI, Inserm U1048, Toulouse

**10h30** Coffee break

### 11h00 **Session 3, part 1 : The cancerous translation apparatus**

Chairpersons : D. Ruggero, S. Pyronnet

- IRE1-mediated translational control of p53 - Eric CHEVET, Inserm U1053, Bordeaux
- Translational control in Cancer Stem Cells - Alexandre DAVID, IGF, Montpellier
- Ribosome heterogeneity in tumorigenesis: the rRNA point of view - Jean-Jacques DIAZ, CRCL, Lyon

**12h15** Lunch & posters session

### 13h45 **Session 3, part 2 : The cancerous translation apparatus**

Chairpersons : D. Ruggero, S. Pyronnet

**Lecture:** Translation makes an impact: Tailor-made protein expression for metabolism, cancer and disease Davide RUGGERO, University of California San Francisco, USA

- Translational control of Pancreatic Carcinogenesis - Stéphane PYRONNET, CRCT, Toulouse
- Targeting an addiction to protein in T-cell Acute Lymphoblastic Leukemia Jean-François PEYRON, Inserm U1065, C3M, Nice
- 5-fluorouracil treatment of colorectal cancer cells alters cytoplasmic ribosome composition and their translational activity - Frédéric CATEZ, CRCL, Lyon
- mRNA translation and resistance to anti-cancer targeted therapies - Stephan VAGNER, Curie Institute, Paris

**16h10** Discussion/Conclusion remarks

**16h30** End of the meeting