

Workshop

Functional genetic screening in cancer cells

October 9th 2015

Montpellier

Conference Room, Institute of Cancer Research of Montpellier (IRCM)

09:00 am **Welcome coffee**

09:45 am Welcome address– **Dan Fisher, Institute of Molecular Genetics of Montpellier**

09:50 am Introduction – **Robert Hipskind, Institute of Molecular Genetics of Montpellier**

10:00 am **RNA interference**

RNAi : Large Scale Functional Genomics for the Discovery of Novel Treatment Combinations
Roderick Beijersbergen, The Netherlands Cancer Institute, Amsterdam

- ❖ Genetics screens based on RNAi interference to identify new predictive markers of drug response in colorectal cancer – **Céline Gongora, Institute of Cancer Research of Montpellier**
- ❖ RAS/Notch pathway in lung cancer
Antonio Maraver, Institute of Cancer Research of Montpellier
- ❖ Cellomics Platform – **Julien Bellis, Montpellier RIO Imaging**
- ❖ Seeking for a “Cancer stem cells switch” factor
Julie Pannequin, Institute for Functional Genomics, Montpellier

12:35 pm **Lunch**

02:00 pm **CRISPR-Cas technology and complementary approaches**

Genetic concepts to identify novel treatment approaches for cancer
Chris Lord, The Institute of Cancer Research, London

- ❖ Discovery of new interactions by proteomic screening
Gilles Favre & Stéphanie Cabantous, Cancer Research Cancer of Toulouse
- ❖ Initial experience with CRISPR lentiviral library screens for drug resistance
Richard Iggo, Inserm U916, Bordeaux
- ❖ Haploid cellular models – **Jean-Luc Battini, Institute of Molecular Genetics of Montpellier**

04:00 pm
-05:00 pm

Round table / Discussion