

**December, Tuesday 17<sup>th</sup>, 2013**

# National meeting program “radiobiology in medicine”

Auditorium Biopark  
4<sup>e</sup> étage,  
11, rue Watt  
Paris 13<sup>e</sup>

**Organizing committee:** M Dutreix (CNRS & Institut Curie),  
Ph Romeo (CEA), E Deutsch (Gustave Roussy),  
N Foray (INSERM & centre Léon Bérard)

9:00 - 9:30 AM

## WELCOME AND COFFEE

### SESSION I: Molecular mechanisms of radiation and resistance mechanisms

**Chairman: Marie Dutreix**

9:30 - 9:55 AM

Induction of “cell in cell” by ionizing radiations  
**Jean-Luc Perfettini** (Gustave Roussy, Villejuif)

9:55 - 10:20 AM

Targeting poly (ADP-ribose) metabolism to potentialize radiotherapy  
**Valérie Schreiber** (IREBS, Illkirch)

10:20 - 10:45 AM

Nucleoshuttling of ATM and the low/high radiation dose response  
**Guillaume Vogin** (CRC, Lyon)

10:45 - 11:00 AM

## Coffee Break

### SESSION II: Biology systemic for biomarker identification and treatment prognosis

**Chairman: Nicolas Foray**

11:00 - 11:25 AM

Comprehensive map of DNA repair signaling network: computational analysis of synthetic lethality in DNA repair and application for cancer treatment design  
**Inna Kuperstein** (Institut Curie, Paris)

11:25 - 11:50 AM

Challenge for physics in radiobiology of hadrons  
**N. M. Mazure** (IRCAN, Nice)

### SESSION III: Protocol and treatments modulating tumor and tissue sensitivity to radiation

**Chairman: Eric Lartigau**

11:50 - 12:15 AM

Glioblastomes  
**Elisabeth Moyal-Cohen-Jonathan** (Institut Claudius Regaud, Toulouse)

12:15 - 12:40 AM	Radiosensitizing ultra small gadolinium based nanoparticle <b>Olivier Tillement</b> (Université Claude Bernard, Lyon)
12:40 - 1:05 PM	Hadrontherapy <b>Gerard Montarou</b> (Université Blaise Pascal, Clermont-Ferrand)
1:15 - 2:00 PM	<b>Lunch (Buffet)</b>  <b>SESSION IV: Examples of the dutch and german translational radiotherapy programs: placing our organization into perspective.</b> <b>Chairman: Eric Deutsch</b> Examples of translational radiotherapy program
2:00 - 2:30 PM	The NKI model <b>Marcel Verheij</b>
2:30 - 3:00 PM	The DFMZ model
3:00 - 3:20 PM	<b>Coffee Break</b>  <b>SESSION V: Immunology and microenvironment</b> <b>Chairman: Paul-Henri Romeo</b>
3:20 - 3:45 PM	Microenvironment, irradiation and hematopoietic stem cells <b>Nathalie Gault</b> (CEA-DSV-iRCM/Inserm Unit 967, Fontenay-aux-Roses)
3:45 - 4:10 PM	Effets secondaires cliniques potentiels, prédiction et prise en charge <b>David Azria/Céline Bourgier</b> (Université Montpellier)
4:10 - 4:35 PM	Modulation of endothelial cell response during classical and hypo-fractionated radiotherapy <b>François Paris</b> (Centre de Recherche en Cancérologie, Nantes-Angers)
5:00 - 5:30 PM	Discussions and conclusion: Pr Fabien Calvo (directeur général adjoint de l'INCa)

**Venue:**

M°: Bibliothèque François Mitterrand (ligne 14), Quai de la Gare (ligne 6) or Tramway: Avenue de France (T3a)