Workshop Radiobiology applied to oncology

14th November 2014 – Montpellier

Scientific Committee: Pr David Azria, Dr André Pèlerin, Dr Céline Bourgier

MANDATORY FREE ONLINE REGISTRATION www.montpellier-cancer.com

The Workshop will take place at the meeting room of the IRCM - Campus Val d’Aurelle - 208 rue des apothicaires - Montpellier

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### Workshop Opening
Marc Ychou, David Azria and André Pèlegrin, Montpellier, France

### Radiotoxicity: Clinical context
*Chairman: Mahmut Oszahin, Lausanne, Switzerland*

**9h20** Lecture: The importance of considering patients at risk of developing late side-effects after curative intent radiotherapy  
*Catharine M.L. West, Manchester, UK*

**Discussion**

### SESSION 1: DNA Damage
*Chairmen: Claude Sardet and David Azria, Montpellier, France*

**10h10** Lecture: 'Unexpected, new functions of BRCA1'  
*David Livingston, Boston, US*

**11h** Coffee-Break

**11h30** Genotoxic stress induced reprogramming of gene expression  
*Bijan Sobhian, Montpellier, France*

**12h00** Interplay between DNA damage tolerance and DNA damage response and its implications in the resistance to DNA damaging agents  
*Domenico Maiorano, Montpellier, France*

**12h30** Fanconi anemia proteins at the crossroads of DNA replication and co-transcriptional processes  
*Angelos Constantinou, Montpellier, France*

**13h00** Lunch Buffet

### SESSION 2: Immunological mechanisms of radiotoxicity
*Chairmen: Céline Bourgier and Jean-François Eliaou, Montpellier, France*

**14h15** Using local radiotherapy to induce systemic anti-tumor immunity  
*Claire Vanpouille-Box, NY, US*

**15h00** TRAIL/TNFSF10 is functionally and genetically associated with human T4EM-lymphocyte radiosensitivity  
*Annette Schmitz, Paris, France*

**15h30** Long-term side effects after radiotherapy and immunology: the key points  
*Jean-François Eliaou, Montpellier, France*

**16h00** Coffee-Break

### SESSION 3: Reactive Oxygen Species (ROS) and radiotherapy
*Chairmen: François Paris, Nantes, and Guillaume Bossis, Montpellier, France*

**16h30** ROS and thyroid radiocarcinogenesis  
*Corinne Dupuy, Paris, France*

**17h00** Quantitative proteomic approach to identify hypersensitive patients to curative intent radiotherapy  
*Jérôme Lacombe, Montpellier, France*

**17h30** Autoimmunity, oxidative stress, and fibrosis  
*Philippe Guilpain, Montpellier, France*

**18h00** Redox control of the SUMO pathway in cancer  
*Guillaume Bossis, Montpellier, France*

**18h30** Closing Remarks: David Azria and André Pèlegrin, Montpellier, France