14ème journée de l'iRCM/UMR SGCSR

Vendredi 23 mai 2025

Salle 104, 1er étage, Bâtiment 56, CEA de Fontenay-aux-Roses

9:15	**Accueil**
9:25	**Introduction** *François BOUSSIN – iRCM/UMR SGCSR*

Modérateur et modératrice : Thomas GUERIN & Fanny MOUSSEAU

9:40	**Rad52 Acts as an Assembly Chaperone to Form and Stabilize Rad51 Filaments Through a Large C-Terminus 85-Residue Segment** *Emilie MA – iRCM/SIGRR/LRGM – UMR SGCSR*
10:10	**Characterisation of microglial inflammation upon radiation** *Haser SUTCU – iRCM/SDRR/LRP – UMR SGCSR*
10:40	**Pause-café**
11:00	**The uptake of metallic nanoparticles in breast cancer cell lines is modulated by the HA-CD44 axis** *Emmanuelle BOURNEUF – iRCM/SREIT/LCE – UMR SGCSR*
11:30	**Role of the Gut Microbiome in Modulating Responses to Low-Dose Ionizing Radiation: Insights from Mouse Colon Cancer Models** **Dmitry KLOKOV – ASNR – PSE-SANTE/SESANE/LRTOX**
12:30	**Déjeuner - Session posters**

Modératrices : Jeanne ROCHE-NAUDE & Fernanda MARQUES CAMARA SODRE

14:00	***MILTENYI BIOTEC's communication*** *Christian FEUILLET – MILTENYI BIOTEC*
14:15	**Polθ in Radiotherapy: Modulating the Tumor Response to Ionizing Radiation** *Camille GELOT – iRCM/SDRR/LREV – UMR SGCSR*
14:45	**Transition of human dermis fibroblasts from a healthy to a fibrogenic state: involvement of coding and non-coding RNAs** *Juliette MONTANARI – iRCM/SCSR/LGRK*
15:15	**Pause-café**
15:35	**Definition of the kinetochore in C. Elegans oocyte** *Laura BELLUTTI – iRCM/SDRR/LDG – UMR SGCSR*
16:05	**Distinct regulation of DNA end sensing by MRX and Ku protects telomeres** *Stefano MATTAROCCI – iRCM/SIGRR/LTR – UMR SGCSR*

Avec le soutien de :

Comité d'organisation : François Boussin - Aurélie Gouret - Aude Le Cloirec - Stefano Mattarocci - Annabel Quinet

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Photo : LGRK – Human interfollicular epidermis. In red: Basal layer (stem and progenitor keratinocytes) - In green: Supra-basal layers (mature/differentiated keratinocytes)

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SESSION POSTERS

Investigation of the Role of Polθ in Modulating the Immune Response after Radiotherapy: Implications for Novel Cancer Therapeutic Strategies
Alice BREGIROUX (LREV)

High CD44 expression and enhanced E-Selectin binding identified as biomarkers of chemoresistant leukemic cells in human T-ALL
Florian GILAIN et Johanna TUIL (LSHL)

Role of helicases during natural transformation in Helicobacter pylori
Céline LALLEMAND (LRIG)

Meiotic abnormalities of a recurrent mutation of the M1AP gene in a mouse model
Morgane LE BEULZE (LDG)

Efficient in vitro editing of populations of primary macrophages by CrispR/cas9 as a step to improve radiotherapy
Valentin MONTEIRO (LREV)

Exploring Condensin Activity *in vivo*
Cecilia PERINI (LTR)

Lamin B1 overexpression induces replication stress and inflammation
Emilie RASS (LREV)

Flow cytometry sorting of hair-follicle keratinocyte subpopulations exhibiting distinct levels of cell-surface markers: a cellular model for further deciphering stem cell-related gene expression profiles
Theebah SELLATHURAI (LGRK)