

Mechanisms maintaining genome integrity: Implications for aging and cancer

June 9 - 10, 2022

Genopolys Auditorium,
141 rue de la Cardonille,
34396 Montpellier CEDEX 5



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To register: <https://enquetes.univ-montp3.fr/index.php/436693>

DAY 1: June 9, 8h45-18h

- **Session 1** : Genome Integrity mechanisms

Pasero Lab; Constantinou Lab - IGH Montpellier/ U Montpellier
Boisvert Lab; Maréchal Lab; Laurent Lab - U Sherbrooke

- **Session 2** : Cellular Defence mechanisms

Manel Lab - Inst. Curie / U Paris Descartes
Crow Lab - U Paris Denis Diderot
Laguet Lab - IGH Montpellier/ U Montpellier
Laurent Lab; Wellinger Lab - U Sherbrooke
Pouget Lab; Faget Lab - IRCM / U Montpellier

DAY 2: June 10, 9h-16h

- **Session 3** : Telomere Biology

Liti Lab - IRCAN / U de Côte d'Azur
Déjardin Lab - IGH Montpellier/ U Montpellier
Teixeira Lab - CNRS / IBPC Paris
Géli Lab - CRCM / U Aix-Marseille
Wellinger Lab - U de Sherbrooke



Université de
Sherbrooke



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Mechanisms maintaining genome integrity: implications for aging and cancer

Organizers:

Philippe Pasero (Montpellier)
Jérôme Déjardin (Montpellier)
Nadine Laguette (Montpellier)

Benoit Laurent (Sherbrooke)
Raymund Wellinger (Sherbrooke)

Sessions take place

Thursday and Friday, June 9 - 10, 2022

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Detailed Programme:

(Speakers: plan for 20 min talk + 10 min questions)

Thursday June 9, 2022

8:45 – 9:00	Welcome and Introduction Remarks
9:00 – 12:00	Session 1: Genome Integrity mechanisms <i>Chair: Nadine Laguette (Montpellier)</i>
09:00 – 09:30	Charlène Boumendil (IGH Montpellier) Nuclear pores in chromatin organization
09:30 – 10:00	Julie Frion (Boisvert Lab; U de Sherbrooke) Exploring the world of pseudogenes: a new ubiquitin variant to modulate genomic integrity
10:00 – 10:30	Angelos Constantinou (IGH Montpellier) Compartmentalization of the DNA damage response: mechanisms and functions
10:30 – 11:00	Coffee Break
11:00 – 11:30	Alex Maréchal (U de Sherbrooke) Ubiquitin-mediated regulation of the replication stress response
11:30 – 12:00	Benoit Laurent (U de Sherbrooke) LSD1 and chromosome segregation: a splice for a split
12:00 – 13:00	Lunch / Diner (provided on site for speakers)

- 13:00 – 17:00 **Session 2: Cellular Defence mechanisms**
Chair: Jérôme Déjardin (Montpellier)
- 13:00 – 13:30 **Nadia Jeremiah (Manel Lab; Inst. Curie / U Paris Descartes)**
A cGAS-dependent RELA rheostat tunes innate-like interferon I/III responses in human T cells
- 13:30 – 14:00 **Clara Taffoni (Laguette lab; IGH Montpellier)**
The crosstalk between cGAS and the DNA-PK repair complex defines tumour immunogenicity
- 14:00 – 14:30 **Hervé Técher (Pasero lab, IGH Montpellier)**
Nucleases linking replication stress to inflammation and senescence
- 14:30 – 15:00 Coffee Break
- 15:00 – 15:30 **Alice Lepelley (U de Paris Denis Diderot)**
Mitochondrial integrity and type I interferon
- 15:30 – 16:00 **Muhammad Riaz Khan (Laurent / Wellinger Labs; U de Sherbrooke)**
The role of a MRE11 isoform in cytosolic dsDNA-mediated type I interferon response
- 16:00 – 16:30 **Julie Constanzo (Pouget lab; IRCM / U de Montpellier)**
Role of cGAS and extracellular vesicles in adaptative immunity induced by targeted radionuclide therapy
- 16:30 – 17:00 **Chiara Ursino (Faget Lab; IRCM / U de Montpellier)**
Low STING expression in lung cancer cells contributes to disease progression and immune escape
- 16:45 – 17:45 : Atelier transversal « Mise en place et animation d'un partenariat franco-québécois »
 - 18:00 : Réception à la Mairie

Friday June 10, 2022

- 9:00 – 12:30 **Session 3: Telomere Biology**
Chair: Benoit Laurent (Sherbrooke)
- 09:00 – 09:30 **Vincent Géli (CRCM / U Aix-Marseille)**
How does telomerase drive cancer in hepatocarcinoma?
- 09:30 – 10:00 **Jérôme Déjardin (IGH, Montpellier)**
t-loops without TRF2 in stem cells.
- 10:00 – 10:30 **Teresa Teixeira (CNRS / IBPC Paris)**
The effect of the shortest telomere on cell proliferation
- 10:30 – 11:00 Coffee Break
- 11:00 – 11:30 **Melania D'Angiolo (Liti Lab; IRCAN / U de Côte d'Azur)**
The fitness landscape of telomere variation
- 11:30 – 12:00 **Emeline Pasquier (Wellinger Lab; U de Sherbrooke)**
'One size fits all' does not apply to yeast telomeres: Evidence for a telomere specific length homeostasis.
- 12:00 – 12:30 **Raymund Wellinger (U de Sherbrooke)**
Telomerase RNP generation and Trafficking
- 12:30 – 14:00 : Pause Lunch / Dîner (place to be confirmed)
 - 14:00– 16 :00 : Cérémonie de clôture