

13:00 Registration and welcoming coffee

13:45 Pr. Reynald Gillet, director of IGDR  
Camille Dos Santos & Nicolaï Hoffmann, organising team members  
**Symposium introduction**

SESSION 1 "Innovative therapies"

Chairman: Cheikh Thiam

14:00 Dr Chantal Pichon, Keynote lecture **Messenger RNA vaccines and therapeutics: from design to in vivo applications**

14:45 Andrés Corral-Lugo *Targeting bacterial trans-translation as a novel antimicrobial strategy*

15:00 Lila Moreau *An optimized hiPSC model identifies holoprosencephaly molecular signatures*

15:15 Jules Garreau *Network based analyses of omics data to better understand molecular mechanisms behind neurodevelopmental disorders*

15:30 Iwan Jan *A new organoid model reveals the role of Celf1 in the lens development and transparency as an EMT Regulator*

15:45 Coffee break

16:00 Flash Talks (3' each) / 12 contributions:  
Mahsa Aghavali, Hélène Calais, Caroline Confais, Pierre-Jean Desmason, Camille Dos Santos, Alexandre Helpiquet, Inès Kardous, Laetitia Martinetti, Mounir Messaoudi, Romane Riou, Anouk Sénard, Tom Van de Wijngaert.

16:45 Sponsor presentation by MERCK

17:00 Poster session I

19:00 Gala dinner and social event

SESSION 2 "Seeing-knowing"

Chairman: Jules Garreau

8:15 Welcoming with breakfast

9:00 Dr Anne Houdusse-Juillé, Keynote lecture **Dynamics of the  $\beta$ -cardiac myosin auto-inhibited state explain cardiomyopathy pathogenesis**

9:45 Imane Naouadir *Centrosome identity drives asymmetric spindle positioning in neural stem cells*

10:00 Yann Lefrancois *Computer-Aided Drug Design to develop trans-translation inhibitors*

10:15 Cheikh Thiam *Finding its target: Live cell imaging of RAR $\gamma$  nuclear exploration*

10:30 Pierre Paillard *Structural Characterisation of the Recipient Cell Detection Mechanism by the Bacterial Type IV Secretion System*

10:45 Sponsor presentation by PROMEGA

11:00 Poster session II Refreshments

12:45 Lunch break

SESSION 3 "Cell Microenvironment and Cancer"

Chairman: Laetitia Martinetti

14:00 Dr Giorgio Seano, Keynote lecture **Mechanisms of therapy-induced plasticity: Dissecting the impact of radiation, chemo, and surgery on the glioblastoma microenvironment**

14:45 Maxence Noël *A new and Integrin-independent function of Talin at the apical plane during cell junction remodeling*

15:00 Olivier Josse *Deciphering the molecular function of dLsd1 in myogenesis*

15:15 Camille Desdouets *Functional characterisation of de novo variants in the splicing factor SF3B1 associated with neurodevelopmental disorders*

15:30 Emma Touquet *Regulation of SCF<sup>Met30</sup> Ubiquitin Ligase Activity by Sulfur Availability*

15:45 Coffee break

16:00 Jury **Award ceremony**

16:15 Organizing committee Symposium closing