

Inserm Workshop 260

#CRISPR-Cas9 : nouvelles avancées et défis futurs
#CRISPR-Cas9: yet more breakthroughs and challenges

20-22 Octobre 2021 / October 20-22 2021 ■ **Bordeaux, France**

Mercredi 20 Octobre 2021 ■ **Wednesday October, 20th 2021**

14:30 - 15:00	Reception of participants
15:00 - 15:15	Welcome and presentation by the organizers
SESSION I	Recent developments of genome editing with the CRISPR system: can it get better?
15:15 - 16:00	Title to be defined Speaker to be defined
16:00 - 16:30	Nanoblade delivery of Cas9 RNP in difficult-to-transfect cells Emiliano Ricci (ENS Lyon, Lyon, France)
16:30 - 17:00	High efficiency gene editing in the mouse with long single stranded DNA donors Lydia Teboul (Hartwell, United Kingdom)
17:00 - 17:30	Coffee break
17:30 - 18:00	Biasing DNA repair to increase precise gene editing Jean-Paul Concordet (MNHN, Paris, France)
18:00 - 18:45	Genome editing with alternative DNA damage intermediates Alexis Komor (UCSD, San Diego, USA)
18:45 - 19:30	Prime editing: precise and versatile genome editing without double-strand breaks or donor DNA Andrew Anzalone (Broad Institute, Boston, USA)
19:30 - 20:30	Round table: can it get better?
20:30	Dinner

Jeudi 21 Octobre 2021 ■ **Thursday October, 21th 2021**

06:30 - 08:30	Breakfast
SESSION II	Power and limits of CRISPR screens
08:30 - 09:15	Genetic screens with haploid cells Thijn Brummelkamp (Netherlands Cancer Institute, Amsterdam)
09:15 - 10:00	Deeper, finer, and wider with CRISPR screens for gene function John Doench (Broad Institute, Boston, USA)
10:00 - 10:30	Coffee break
10:30 - 11:00	CRISPR screens to identify new regulators of viral replication Caroline Goujon (IRIM, Montpellier, France)
11:00 - 11:30	In vitro and in vivo CRISPR screens Michel Wassef (Institut Curie, Paris, France)

SESSION III	Novel CRISPR ways to study genome regulation and function
11:30 - 12:00	CRISPR-based transcriptional regulation and more Alejandro Chavez (Columbia University, New York City, USA)
12:00 - 12:30	Title to be defined Speaker to be defined
12:30 - 14:00	Lunch
14:00 - 14:45	Title to be defined Hans-Hermann Wessels (New York University, USA)
14:45 - 15:15	Transient DNA repair pathway choice Stephan Riesenber (Max Planck Institute, Leipzig, Germany)
15:15 - 15:45	Targeted diversification of gene coding sequence via dCas9 mediated base editing Gaelen Hess (Stanford University, USA)
15:45 - 16:20	Coffee Break
16:20 - 16:40	Targeted oncogenesis with base editors Marion Rosello (Institut Curie, Paris, France)
16:40 - 17:00	Poster presentation from selected abstracts
17:00 - 19:00	Poster Session
19:00 - 19:30	Discussion about the practical phase
19:30 - 20:15	Cocktail
20:15	Dinner

Vendredi 22 Octobre 2021 ■ **Friday October, 22th 2021**

06:30 - 08:30	Breakfast
SESSION IV	Therapeutic perspectives
08:30 - 09:15	CRISPR/Cas9-based therapies for beta-hemoglobinopathies Annarita Miccio (Institut Imagine, Paris, France)
09:15 - 10:00	Could germline genome editing be a treatment of male infertility? Pierre Jouannet (Paris Descartes University, Paris, France)
10:00 - 10:30	Coffee Break
10:30 - 12:00	Round table
12:00 - 14:00	Lunch
14:00	Departure