



SynBioTherapy



A DIM BioConvS and PEPR Biotherapy Symposium

27 November 2024



Amphiteatre of the Learning Planet Institute
8bis rue Charles V – 75004 Paris

9:00 - Introduction from the organisers

9:30 - Bottlenecks and challenges in Biotherapy

9:30 - *In vivo applications*: Piera Smeriglio (Centre de Recherche en Myologie): “Breakthroughs and Barriers in Gene Therapy for motor neuron disorders”

10:00 - *Ex vivo applications*: Elisa Magrin & Michaela Semeraro (APHP), title TBA

10:30 - *Cell therapy applications*: Christelle Monville (ISTEM): “A journey through challenges and bottlenecks in the development of stem cell therapies for Retinal diseases”

11:00 - Round table

Coffee break

12:00: Advancing SynBio approaches in Biotherapy

Keynote 1: Velia Siciliano (head of Synthetic and Systems Biology for Biomedicine at IIT Naples): “Mammalian cell engineering for biomedicine and bioindustry: what do we know and what do we miss”

Lunch break

14:00 - *SynBio applications*: Franck Perez (Institut Curie): From Cell Biology to Biotherapies : increasing scale to deal with complexity

14:30 - *SynBio applications*: TBA

15:00 – Round table

Coffee break

16:00 - Biofoundries: redefining research design

Keynote 2: Filippo Menolascina (head of Synthetic and Systems Biology for Biomedicine at IIT Naples): “Rethinking therapy design in the age of laboratory automation: the experience of the Edinburgh Genome Foundry”

17:00 – Stéphane Lemaire (Sorbonne Université): Paris Biofoundry

17:30 – Round table and conference wrap-up