

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): “Advances in gene therapy trials : academic insights and development trends”

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

11h00 – Coffee break

11:30 - *Round table : Challenges in biotherapy and how to overcome them*

12:00: Advancing SynBio approaches in Biotherapy

Keynote : 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 - Biofoundries: redefining research design

Keynote : Filippo Menolascina (Director of the Centre for Engineering Biology, University of Edinburgh): “Rethinking therapy design in the age of laboratory automation: the experience of the Edinburgh Genome Foundry”

15:30 – Coffee break

16:00 – Stéphane Lemaire (Sorbonne Université): Paris Biofoundry

16:30 – *Round table : Advancing synthetic biology in biotherapies: Standardization and Integration Techniques*

17:30 – *Conference wrap-up*