The 6th ICE-HBV "HBV cure workshop" at the International HBV Meeting

Genome and epigenome editing to target the HBV reservoir

Chairs: Teresa Pollicino (Messina, Italy) and Fabien Zoulim (Lyon, France)

Sept. 12, 2025 – 8.30 to 11.30 a.m. CET – Berlin, Germany

The symposium will cover the genome and epigenome technologies to target the HBV reservoir including cccDNA and integrated sequences. A session on the viral reservoir and biomarkers assessment will introduce the symposium. The symposium will have 6 short talks. Finally, a presentation on the knowledge gaps and clinical perspectives will introduce the round table discussion of 30 min at the end.

Welcome & Opening Remarks Fabien Zoulim and Teresa Pollicino (5 min)

1) **The viral reservoir in the liver** (15 min: 12 min + 3 min discussion) Maura Dandri (Hamburg, Germany)
2) **Genome editing technologies** (60 min: 10 min + 5 min questions for each talk)
   - Excision CRISPR/Cas9 approach: EBT-107 for HBV. Ryo Takeuchi (Excision, U.S.)
   - Precision Arcus technology: PBGENE-HBV. Emily Harrison (Precision, U.S.)
   - Beam base editors: A and C Base editors for HBV and HDV. Michael Packer (Beam, U.S.) / & Anuj Kumar (Lyon, France)
   - *HBV RNA targeting with Cas13*. Laura McCoullough (Melbourne, Australia)

Coffee break (15 min)

3) Epigenome editing technologies (45 min: 10 min + 5 min questions for each talk)

- nChroma technology for HBV DNA Methylation: CRMA-1001 for HBV. Sarah Voytek (nChroma Bio, U.S.)
- Tune technology for HBV DNA Methylation: Tune-401 for HBV. Brian Cosgrove (Tune Tx, U.S.)
- EPIREG: Next-gen Epigenetic Modulator for HBV Eradication through direct silencing of ccDNA transcription. Yidi Sun (Epigenic, China)

4) Knowledge gaps to advance clinical development of gene and epigenome editing (10 min) Fabien Zoulim (Lyon, France) (introduction to the roundtable)

5) Round table discussion (30 min): Co-chairs, Speakers and with the contribution of Markus Cornberg (MHH, CiiM Hannover, Germany) and Kosh Agarval (Kings College hospital, London, U.K.)

Closing Remarks (5 min) – Fabien Zoulim and Teresa Pollicino