

The 6th ICE-HBV “HBV cure symposium” at the International HBV Meeting

Genome and epigenome editing to target the HBV reservoir

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

September 12th – 8.30 to 11.30 am 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 8 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 (20 min: 15 min + 5 min discussion)

What do we know about cccDNA, HBV integration, number and localization of infected cells in CHB and CHD?

Maura Dandri (Hamburg, Germany)

2) Genome editing technologies (60 min: 10 min + 5 min questions for each talk)

- EBT-107 for HBV. Ryo Takeuchi (Excision, USA) (*pre-recorded presentation*)
- PBGENE-HBV. Emily Harrison (Precision, USA)
- Base editors for HBV and HDV. Anuj Kumar (Lyon, France) (collaboration with Beam Tx)
- HBV RNA targeting with Cas13. Margaret Littlejohn or Peter Revill (Melbourne, Australia)

Coffee break (15 min)

3) Epigenome editing technologies (30 min: 10 min + 5 min questions for each talk)

- CRMA-1001 for HBV. Tracy McGregor (nChroma Bio, USA)
- Tune-401 for HBV. Brian Cosgrove (Tune Tx, USA)

4) Knowledge gaps to advance clinical development of gene and epigenome editing

(10 min, introduction to the roundtable, no discussion)

- Knowledge gaps in pre-clinical studies and challenges in clinical studies.
Fabien Zoulim (Lyon, France)

5) Round table discussion (30 min):

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