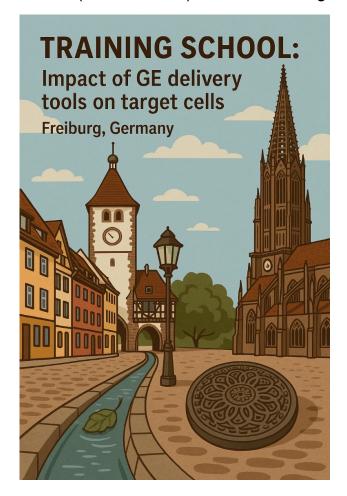




Joint GenE-HumDi COST Action and Medical Center – University of Freiburg Training School

Impact of GE delivery tools on target cells

September 9-11 2025 @Center for Translational Cell Research (ZTZ). Breisacherstr. 115 (Ground Floor) - 79106 Freiburg – Germany



Local Organizers

Dr. Claudio Mussolino, Dr. Maria Silvia Roman Azcona

Trainers

Claudio Mussolino, Manuel Rhiel, Maria Silvia Roman Azcona, Carla Fuster Garcia (Medical Center - University of Freiburg, Germany), Duško Lainšček (National Institute of Chemistry, Slovenia), Manuel Goncalves (Leiden University Medical Center, The Netherlands), Hildegard Büning (Hannover Medical School, Germany), Marcello Maresca, Anna Lina Cavallo (AstraZeneca, Sweden)











PROGRAMME

Day 1 – Tuesday, September 9th

Morning Lectures: Introduction to different delivery platforms

- 09:00–09:30 Openings
- 09:30–10:15 Delivery LNP *Duško Lainšček*
- 10:15–11:00 Cas9 immunological concerns *Anna Lina Cavallo*
- 11:00–11:20 Break
- 11:20–12:05 Large capacity vectors *Manuel Goncalves*
- 12:05–12:50 AAVs Hildegard Büning
- 13:00-14:00 Lunch
- 14:00–18:00 Lab activity

Day 2 – Wednesday, September 10

Morning Lectures: Tools for genome editing and safety issues

- 09:00–09:30 Openings
- 09:30–10:15 Genome editing tools *Claudio Mussolino*
- 10:15–11:00 Alternative Cas9 protein *Marcello Maresca*
- 11:00–11:20 Break
- 11:20–12:05 Base editing and safety *Manuel Rhiel*
- 12:05–12:50 Epigenome editing *Maria Silvia Roman Azcona*
- 13:00-14:00 Lunch
- 14:00–18:00 Lab activity

Day 3 – Thursday, September 11

Morning Lectures: Off-targeting issues

- 09:00–09:30 Openings
- 09:30–11:40 Discussion of lab activities
- 11:40–12:00 Break
- 12:20–13:00 Off targeting in genome editing *Carla Fuster Garcia*
- 13:00–14:00 Lunch/end of Training school





