

CRISPR as a Research Tool in Cancer and Regenerative Medicine

Preliminary programme - subject to change

Thursday, May 25th, 2023

11:00 – 12:30 *Arrival and sandwich lunch.
Mounting of posters.*

12:30 – 14:30 Session 1.

12:30 – 12:40 *Welcome and Housekeeping*

12:40 – 13:25 **Keynote: John Doench**, Broad MIT, US
*Expanding the CRISPR screening tool box with Cas12a, base editors,
and more*

13:25 – 13:45 *Short Talk. TBA*

13:45 – 14:30 **Randall Platt**, ETH Zurich
Harnessing the CRISPR toolbox to engineer biology

14:30 – 15:00 *Coffee break*

15:00 – 17:10 Session 2.

15:00 – 15:45 **Douglas Ross-Thriepland**, AstraZeneca, UK
*Target Discovery - Arrayed & Pooled CRISPR Screening To Drive Drug
Discovery*

15:45 – 16:05 **Bernhard Schmierer**, KI and SciLifeLab
The SciLifeLab CRISPR Functional Genomics unit

16:05 – 16:50 **Neville Sanjana**, NY Genome Center, US
New Frontiers in Pooled CRISPR Screens

16:50 – 17:10 *Short Talk, TBA*

17:30 – 19:30 Poster session + snacks and drinks

Friday, May 26th, 2023

9:00 – 10:20 Session 3.

09:00 - 09:45 Jacob Corn, ETH Zurich, CH
Better genome editing by listening to the cells

09:45 - 10:05 Short Talk, TBA

10:05 - 10:25 Short Talk, TBA

10:25 – 11:00 Coffee break

11:00 – 12:50 Session 4.

11:00 - 11:45 Tuuli Lappalainen, NY Genome Center and KTH
TBA

11:45 - 12:05 Fredrik Wermeling, KI
CRISPR enriches for mutations in a CRISPR-p53 tumor suppressor interactome

12:05 - 12:50 Eric Shifrut, University of Tel Aviv, IL
CRISPR discovery platforms for human T cell therapies

12:50 – 13:40 Lunch

13:40 – 15:00 Session 5.

13:40 - 14:10 Yumeng Mao, Uppsala University
Uncovering key resistance mechanisms to cancer immunotherapy

14:10 - 14:30 Short Talk, TBA

14:30 - 14:50 Short Talk, TBA

14:50 - 15:00 Wrap up and Departure.