

11TH IMG PHD CONFERENCE

JUNE 29 | HASEK AUDITORIUM

9:00 – 9:10

Opening

9:10 – 10:10

Short talks

IMG students

10:10 – 10:30

Coffee break

10:30 – 11:00

Short talks

IMG students

11:00 – 12:00

KEYNOTE LECTURE

Yaakov Benenson, PhD

12:00 - 13:00

Lunch

13:00 – 14:30

Short talks

MPI-CBG students

13:45 – 14:30

Figure-design workshop

Helena Jambor, PhD

14:30 – 14:50

Coffee break

Provided by ARIB

14:50 – 15:50

KEYNOTE LECTURE

Christa Bücker, PhD

15:50 – 16:35

Short talks

IMG students

16:35 – 16:50

Sponsor talk

16:50 – 17:00

Best talk awards and Closing remarks

18:30 – 00:00

Dinner and Social Event



KEYNOTE SPEAKERS



YAAKOV BENENSON, PHD

Dr. Yaakov Benenson, a group leader and associate professor at ETH Zurich, is an expert in the field of system biology and molecular computation in living systems. He participated in the development of first autonomous molecular computer – DNA-based finite automaton. As a part of further research, his laboratory at ETH turned the theory of molecular computing into a number of stunning biotechnological applications which were published in the several prestigious journals. One such study involves “cell classifiers”, a genetic logic circuits, which can find realistic cell-to-cell variations in therapeutic settings that require precise cell targeting, such as cancer therapy.



CRISTA BÜCKER, PHD

Dr. Christa Bucker is a young group leader who recently started her lab in Max F. Perutz Laboratories, Vienna. Christa’s lab is interested in understanding transcriptional gene regulation during early embryonic development. They focus especially on uncovering different sources of heterogeneity that arises during embryonic stem cell differentiation, for which they employ a combination of single cell methods such as RNA-FISH, live imaging and single cell ATAC-seq. Her previous work has hypothesized enhancers might be signal integrating hubs triggering cell specific expression patterns responsible for differentiation process. They believe their study will guide them to develop cleaner and more efficient differentiation strategies for clinical applications in future.

