



13th TRR81 PhD Minisymposium

Molecular mechanism of gene regulation

Thursday, 14 January, 2021 12:30 pm
Online via Zoom

Invited speakers:

- 1) Francesco Gualdrini,**
Humanitas Research Hospital, Milan, Italy (*Gioacchino Natoli lab*)
- 2) Kseniia Lysakovskaia,**
Department of Molecular Biology, Max Planck Institute for Biophysical Chemistry,
Göttingen, Germany (*Patrick Cramer lab*)
- 3) Sofia Luciana Battaglia,**
Department of Pathology and Center for Cancer Research, Massachusetts General
Hospital and Harvard Medical School, Boston, USA (*Bradley E. Bernstein lab*)
- 4) Jente van Staalduinen,**
Department of Cell Biology, Erasmus MC, Rotterdam, Netherlands (*Frank Grosveld
lab*)
- 5) Louisa Hill,**
Research Institute of Molecular Pathology, IMP, Vienna, Austria (*Meinrad
Busslinger lab*)
- 6) Simona Capponi,**
Department of Urology, University of Freiburg, Germany (*Marc Timmers lab*)

Local organizer: Francesca Ferrante and Aleksandra Turkiewicz (Tilman Borggrefe lab)
Sponsoring: DFG – TRR81 (Chromatin Changes in Differentiation and Malignancies)

Program:

12:30 – 12:45 **Welcome, Introduction**

Francesca Ferrante & Aleksandra Turkiewicz, Chair
(JLU, University of Giessen, Germany)

12:45 – 13:30 **Francesco Gualdrini**

Transcriptional control of macrophage function

13:30 – 14:15 **Kseniia Lysakovskaia**

Mechanisms of transcriptional regulation during human cell transdifferentiation

14:15 – 14:30 **Coffee break**

14:30 – 15:15 **Sofia Luciana Battaglia**

Mapping regulatory elements across ultra-long single-molecules of DNA

15:15 – 16:00 **Jente van Staalduinen**

Live visualization of genomic loci in mouse embryonic stem cells

16:00 – 16:15 **Coffee Break**

16:15 – 17:00 **Louisa Hill**

Role of Pax5 in controlling loop extrusion and V_H gene recombination at the *Igh* locus

17:00 – 17:45 **Simona Capponi**

Understanding the molecular mechanism of X-linked dystonia-parkinsonism: from alternative splicing to epigenetics”

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