

Chromatin Day**SFB 1064**

July 22, 2024

9 – 17.30 h

Biomedical Center

Small Lecture Hall

From	To	Project	Speaker	Title
09:00	09:10	General	Peter Becker	Welcome
Chair: Christoph Kurat				
09:10	09:30	A16/Imhof	Frederike Schäfer	Profiling cell type-specific histone modifications in the mouse brain using spatial proteomics
09:30	09:50	A30/Hörmanseder	Ana Janeva	Taking the HAT off: Perturbing Histone Acetylation for a Cellular Makeover
09:50	10:10	A01/Becker	Zivkos Apostolou	TIP60 – more than just a HAT?
10:10	10:30	A15/Müller	Jacques Bonnet	Histone modification cross-talk provides remarkable plasticity for generating Polycomb chromatin domains
10:30	11:00	BREAK		
Chair: Catherine Regnard				
11:00	11:20	Assoc./,JP' Arulanandam	Paula Sotelo Parrilla	Mechanisms of Centromere Inheritance and Function
11:20	11:40	A34/Stingele	Maximilian Götz	The role of self-organising SUMO compartments in genome stability
11:40	12:00	A20/Schneider	Maria Rocha Acevedo	Heritability of the transcriptional state of bidirectional promoters
12:00	12:20	A21/Uhlenhaut	Fania Ramadhani	Integrated single-nuclei multiome analysis reveals the hepatocyte-specific regulatory gene networks influenced by caloric restriction
12:20	12:40	A28/Cabianca	Nada Al-Refaie	Fasting shapes chromatin architecture via an mTOR/RNA Pol I axis
12:45	13:45	LUNCH		
Chair: Philipp Korber				
13:45	13:55	IRTG & Diversity	Elizabeth Schröder-Reiter	
13:55	14:15	A29/Hamperl	Ioannis Tsirkas	Stuck in an R-loop - Mechanisms of R-loop-mediated Transcription-Replication Conflicts
14:15	14:35	A27/Bartke	Emilia Cepowska	Role of LRWD1 (ORCA) in Spatiotemporal Control of DNA Replication Dynamics
14:35	14:55	A03/Ladurner	Tanner Wright	ADP-ribosylation as a regulator of mitochondrial genome replication
14:55	15:15	A06/Hopfner	Manmohan Sharma	Recognition and remodelling of nucleosome and hexasomes by the human INO80 complex
15:15	15:45	BREAK		
Chair: Ralph Rupp				
15:45	16:05	A33/Siegel	Claudia Rabuffo	Inter-chromosomal hubs highlight the functional organization of the trypanosome genome
16:05	16:25	A24/Torres-Padilla	Federico Pecori	Visualising nuclear organisation dynamics at the onset of mammalian development
16:25	16:45	Assoc/Tachibana	Wataru Kobayashi	Pioneer factor Nr5a2 functions with lineage-determining factors in the totipotency-to-pluripotency transition
16:45	17:05	A11/Schotta	Filippo Cernilogar	Determinants for chromatin accessibility upon transcription factor binding
17:05	17:25	A35/Stricker	Tobias Schmidt	Engineering rapid and selective transcription activation using recombinant CRISPRa RNPs
17:25	Concluding remarks P. Becker			
17:30	BARBECUE			