

**IRTG member presentations at “Chromatin Days – Reunion and Valediction”, May 26-27, 2025  
Project talks, Flash Talks, Fun Posters**

For this special valediction meeting, it was important to us to provide opportunity for all IRTG members to present their projects. In addition to **project talks** in the main program, IRTG members will present either a 4 min **flash talk** or a **“fun poster”**. In the tradition of “Swan Songs”, we encouraged flash talk and fun-poster contributors to venture away from conventional presentations – to creatively combine a description of their doctoral project (conceptual idea, findings, state of progress) together with more personal aspects, like “ups and downs” experiences, favorite advice, milestones, roadblocks, critical mistakes, words of wisdom, ... for future doctoral researchers and initiatives.

Here the names of the IRTG members (listed alphabetically within groups) and titles of their presentations:

**Project talks**

Chondamma Bollachetira	Assoc. Villaseñor	project talk	New Kids on the Heterochromatin Block
Vlera Fonda	A21	project talk	The dynamic role of ANP32a in liver metabolic transitions
Jessica Furtmeier	A26	project talk	<i>In vitro</i> chromatin replication genome-wide
Maximilian Götz	A34	project talk	The role of self-organising SUMO compartments in DPC repair
Jie Hua	A16	Project talk	Chromatin and Genomic Conflict
Lukas Huschet	A32	project talk	Protein nuclear dynamics in time and space and its modulation by metabolism
Ana Janeva	A30	Project talk	AI to Ac: Digital Reprogramming identifies H3K27ac as an Epigenetic Barrier to Cell Fate Changes
Gizem Kars	A01	project talk	Intersections in chromatin: the case of Domino and Xbp1
Simona Nasiccionyte	A27	project talk	Phosphorylation of origin-associated LRWD1 affects DNA replication and cell cycle in cancer cells
Rifat Ara Reza	A33	project talk	Loops, Boundaries and Beyond: Roles of cohesin and histone variants in <i>T. brucei</i> genome architecture
Angela Russo	A11	project talk	Interplay between heterochromatin and transcription factor activities
Drin Shabani	A04	project talk	Dissecting the role of barrier elements and remodelers in nucleosome positioning

**Flash Talks**

Beyza Bozdag	A16	flash talk	Mystery of histone PTMs in DREX chromatin
Emilia Cepowska	A27	flash talk	In search of meaning in the noise: genomic insights into LRWD1 and cohesin in DNA replication control
Deeksha	A35	flash talk	Lost in Transcription: Everyone wants to be found (except my gRNAs)
Jei Diwakar	Assoc. Bonev	flash talk	Developing novel single-cell multiomics methods to study epigenetic regulation in the brain
Frauke Huth	A04	flash talk	The Dance of the Nucleosomes: Promotor Rearrangement for Induction
Gabriele Malagoli	Assoc. Colomé-Tatché	flash talk	Geometry aware graph attention networks to explain single-cell chromatin state and gene expression
Namisha Rakesh	Assoc. Villaseñor	flash talk	Unraveling the role of Histone Bivalency beyond Embryonic Stem Cells
Drin Shabani	A04	flash talk	Disproving our favorite hypothesis: the yeast nucleosome positioning barrier Abf1 positions nucleosomes just fine without its intrinsically disordered regions (IDRs)
Gabriela Stumberger	A17	flash talk	Nanoscale Dynamics of Enhancer-Promoter Interactions during Exit from Pluripotency

**Fun Posters**

Katharina Arnold	A20	fun poster	Crosstalk between chromatin and RNA methylation
Fatih Aygenli	A32	fun poster	Pipetting by Day Turns into Diapering by Night: The Dual Identities of a PhD Dad
Sude Beskardes	Assoc. Bonev	fun poster	Interrogation of enhancer-promoter interactions using massively parallel reporter assay
Tamina Dietl	Assoc. Bonev	fun poster	Dissecting epigenome evolution in primates using single-cell multiomics
Maximilian Donsbach	A33	fun poster	A non-proteolytic release mechanism for HMCES DNA-Protein crosslinks
Viola Gilardino	Assoc. Regnard	fun poster	License to Loop: JIL-1/JASPer, and MLE Regulate R-Loop Homeostasis
Fotios Gkountromichos	A01	fun poster	Territory 101: A PhD's Guide to roX RNA's Chromatin Terrain
Muhunden Jayakrishnan	A01	fun poster	Chromatin gymnastics in a test tube!
Zhibek Keneskhanova	A33	fun poster	Revealing the genomic tapestry: a highly sensitive scRNA-seq method uncovers genomic determinants in antigenic variation in <i>Trypanosoma brucei</i>
Iliya Nadelson	A24	fun poster	Understanding Early Embryonic Development and the Scientist Within
Frederike Schäfer	A16	fun poster	The effects of aging on chromatin and brain functionality in mice (and me(n))
Olexandra Starokadomska	A03	fun poster	mTOR regulates secretory capacity on the translation level
Swathi Subramanian	A03	fun poster	To ChREBP and Beyond: Navigating the Glucose Axis Toward Metabolic Balance!
Irem Tüysüz	Assoc. Colomé-Tatché	fun poster	Saluki Sniffs Out RNA Stability Motifs: Predicting mRNA half-life in the <i>Trypanosoma brucei</i>
Prateek Yadav	A33	fun poster	Unraveling the 3D Genomic Landscape of <i>Trypanosoma brucei</i>
Denitsa Yaneva	A34	fun poster	Biochemical characterization of the FANCI helicase

Not presenting this time or unable to attend

Muhammet Celik	Assoc. Colomé-Tatché	
Eugenio Fergola	A11	
Andrea Fratton	Assoc. Bonev	
Lara Kopp	Assoc. Villaseñor	
Jingwen Liu	A17	
Fania Ramadhani	A21	
Johannes Trefz	A16	
Yanshuang Yin	A17	