

**Chromatin Day – Transitions**

July 27, 2026

9 – 17.30 h

Biomedical Center

Small Lecture Hall

| From                            | To                        | Project                    | Speaker                | Title                                                                                                    |
|---------------------------------|---------------------------|----------------------------|------------------------|----------------------------------------------------------------------------------------------------------|
| 09:00                           | 09:10                     | General                    |                        | Welcome                                                                                                  |
| <b>Heterochromatin</b>          |                           | <b>Chair:</b>              |                        |                                                                                                          |
| 09:10                           | 09:30                     | AG Schotta                 | Angela Russo           | Rethinking Heterochromatin: H3K9me3 Permits TF Binding but Restrains ERV Enhancer Activity               |
| 09:30                           | 09:50                     | AG Scialdone               | Veronica Finazzi       | Benchmarking locus-specific analysis of transposable elements in single-cell RNA-seq dataset             |
| 09:50                           | 10:10                     | AG Cabianca                | Fernanda Rezende Pabst | Methionine synthase reductase regulates heterochromatin independently of methionine synthesis            |
| 10:10                           | 10:30                     | AG Müller                  | Martina Cafiso         | Polycomb Repressive Complex 1 assembly and genomic targeting                                             |
| <b>10:30</b>                    | <b>11:00</b>              | <b>BREAK</b>               |                        |                                                                                                          |
| <b>Chromatin Organization</b>   |                           | <b>Chair:</b>              |                        |                                                                                                          |
| 11:00                           | 11:30                     | Guest speaker              | Nils Krietenstein      | Structure of the nascent genome                                                                          |
| 11:30                           | 11:50                     | AG Uhlenhaut               | Lina Fadel             | Transcription factor context dictates glucocorticoid receptor activity in liver.                         |
| 11:50                           | 12:10                     | AG Hopfner                 | Annika Brem            | Should I stay or should I slide – how INO80 positions the +1 nucleosome                                  |
| 12:10                           | 12:30                     | AG Korber                  | Anna Schlick           | The interactome of the intrinsically disordered region of the yeast general regulatory factor Abf1       |
| <b>12:30</b>                    | <b>13:25</b>              | <b>LUNCH</b>               |                        |                                                                                                          |
| <b>Cool Tools</b>               |                           | <b>Chair:</b>              |                        |                                                                                                          |
| 13:25                           | 13:45                     | AG Siegel                  | Prateek Yadav          | Programmable Antigen Switching in <i>Trypanosoma brucei</i> using dCas9                                  |
| 13:45                           | 14:05                     | AG Imhof                   | Beyza Bozdog           | The proteomic and metabolic architecture of the <i>DREX</i> chromatin                                    |
| 14:05                           | 14:25                     | Physik, SFB 1822           | Steffen Rulands        | A statistical physics view of the dynamic epigenome                                                      |
| 14:25                           | 14:45                     | AG Colomé-Tatché           | Gabriele Malagoli      | Explainable graph learning for single-cell data                                                          |
| 14:45                           | 15:05                     | AG Regnard                 | Viola Gilardino        | The JIL-1/JASPer complex controls R-loop dynamics through MLE helicase regulation                        |
| <b>15:25</b>                    | <b>15:45</b>              | <b>BREAK</b>               |                        |                                                                                                          |
| <b>Gene expression programs</b> |                           | <b>Chair:</b>              |                        |                                                                                                          |
| 15:45                           | 16:05                     | AG Leonhardt               | Jingwen Liu            | A novel pathway contributing to the regulation of DNA methylation in pluripotent stem cells              |
| 16:05                           | 16:25                     | AG Tachibana               | Alina Ivanova          | Cleave-Degrade-Away reveals that NR5A2 is required for transcriptional awakening of the embryonic genome |
| 16:25                           | 16:45                     | AG Torres Padilla          | Antoine Canat          | Mechanical control of zygotic genome activation                                                          |
| 16:45                           | 17:05                     | Evolutionary Bio, SFB 1822 | Ines Hellmann          | Cross-species comparison of gene regulatory networks                                                     |
| 17:05                           | 17:25                     | AG Arulanandam             | Paula Sotelo Parrilla  | Balancing Act: Recruitment of Counteracting Enzymatic Activities Ensures Accurate Chromosome Segregation |
| 17:25                           | <b>Concluding remarks</b> |                            |                        |                                                                                                          |
| 17:30                           | <b>BARBECUE</b>           |                            |                        |                                                                                                          |