

# Chromatin Day

SFB 1064

21. July 2016

Biomedical Center

Small Lecture Hall

| From                      | To    | Project               | Speaker                                 | Title                                                                                                                     |
|---------------------------|-------|-----------------------|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| 09:00                     | 09:10 | General               | Peter Becker                            | Begrüßung                                                                                                                 |
| Chair: Axel Imhof         |       |                       |                                         |                                                                                                                           |
| 09:10                     | 09:30 | A01 / Becker          | Christian Albig                         | CLAMPing the Dosage Compensation Complex to the X chromosome in flies                                                     |
| 09:30                     | 09:50 | A02 / Gaul            | Andrea Storti                           | Chromatin accessibility response to ecdysone-stimulus in <i>Drosophila</i> S2 cells and larval development                |
| 09:50                     | 10:10 | A14 / Classen         | Addie Kolybaba                          | Characterising ATRX from the fly perspective                                                                              |
| 10:10                     | 10:30 | A15 / Müller          | Jeongyoon Choi                          | Polycomblike anchors PRC2 on nucleosomes to promote H3K27 methylation                                                     |
| 10:30                     | 10:50 | A16 / Imhof           | Thomas Gerland                          | HMR localizes to genomic insulators and borders heterochromatic domains at active genes in <i>Drosophila melanogaster</i> |
| 10:50                     | 11:15 | BREAK                 |                                         |                                                                                                                           |
| Chair: Karl-Peter Hopfner |       |                       |                                         |                                                                                                                           |
| 11:15                     | 11:20 | Gender Programm       | Sandra Hake / Elizabeth Schröder-Reiter |                                                                                                                           |
| 11:20                     | 11:40 | A10 / Hake            | Lisa Zink                               | Deposition of Histone H3 Variants                                                                                         |
| 11:40                     | 12:00 | A04 / Korber          | Maria Walker                            | Genome-wide TSS annotation in <i>Schizosaccharomyces pombe</i> - what defines a TSS                                       |
| 12:00                     | 12:20 | A08 / Eick            | Tim-Michael Decker                      | Transcriptome analysis of dominant-negative BRD4 mutants and BET-inhibitor JQ1                                            |
| 12:20                     | 12:40 | A13 / Hammerschmidt   | Paulina Mrozek-Gorska                   | Permissive enhancer elements in Epstein-Barr virus and their role in viral chromatin 3D structure                         |
| 12:40                     | 13:00 | A11 / Schotta         | Filippo Cernilogar                      | Selection and activation of lineage specific enhancers by the pioneer factor Foxa2                                        |
| 13:00                     | 14:00 | LUNCH                 |                                         |                                                                                                                           |
| Chair: Ulrike Gaul        |       |                       |                                         |                                                                                                                           |
| 14:00                     | 14:20 | A12 / Rupp            | Daniil Pokrovsky                        | Does the cell cycle impact embryonic chromatin?                                                                           |
| 14:20                     | 14:40 | Ass. / Torres-Padilla | Diego R.-Terrones                       | Modelling of single cell data identifies molecular and epigenetic roadmaps during the emergence of totipotent-like cells  |
| 14:40                     | 15:00 | A17 / Leonhardt       | Weihua Qin                              | ZNF599 and DNMT3A coordinately control gene expression and nuclear envelope organization                                  |
| 15:00                     | 15:20 | A05 / Schepers        | Stefanie Hermann                        | Epigenetic inheritance of centromere identity in the pCON <sup>CENP-A</sup> vector system                                 |
| 15:20                     | 15:40 | A03 / Ladurner        | Hari Singh                              | Allosteric activation of an oncogenic chromatin remodeler by poly-ADP-ribose                                              |
| 15:40                     | 16:00 | BREAK                 |                                         |                                                                                                                           |
| Chair: Sandra Hake        |       |                       |                                         |                                                                                                                           |
| 16:00                     | 16:10 | IRTG Programm         | Elizabeth Schröder-Reiter               |                                                                                                                           |

|              |                                     |                      |                   |                                                                                                        |
|--------------|-------------------------------------|----------------------|-------------------|--------------------------------------------------------------------------------------------------------|
| 16:10        | 16:30                               | Ass. / Braun         | Paula Georgescu   | Spatial regulation of a HAT complex through targeting a PWWP protein to specific chromatin sites       |
| 16:30        | 16:50                               | Ass. / Pfander       | Susi Bantele      | Conserved regulation of the Nucleosome Remodeler Fun30 <sup>SMARCAD1</sup> at DNA double-strand breaks |
| 16:50        | 17:10                               | A07 / Müller-Planitz | Johanna Ludwigsen | Auto-regulation of the nucleosome remodeler ISWI by its N-terminal domain                              |
| 17:10        | 17:30                               | A06 / Hopfner        | Agata Butryn      | Mot1: minimal Swi2/Snf2 machinery on a structural level                                                |
| <b>17:30</b> | <b>Concluding remarks P. Becker</b> |                      |                   |                                                                                                        |
| <b>17:50</b> | <b>BARBECUE</b>                     |                      |                   |                                                                                                        |