

## Poster Register (alphabetical) for Symposium Chromatin Dynamics 2016

Agirre, Eneritz	A chromatin signature for alternative splicing
Albig, Christian	CLAMP is required for Dosage Compensation in <i>Drosophila melanogaster</i>
Alexi, Xanthippi	Regulation of Estrogen Receptor $\alpha$ function by histone demethylases
Arulanandam, A.	Structural Requirements for the Centromere Localization and Function of Mis18, a Key Regulator of Centromere Inheritance
Baldi, Sandro	Roles of the ISWI chromatin remodelers ACF and RSF during fly development
Bantele, Susanne	Regulation of the Nucleosome Remodeler Fun30 <sup>SMARCAD1</sup> at DNA double-strand breaks
Barrales, Ramos	Control of heterochromatin localization and silencing by the nuclear membrane protein Lem2
Baumgart, Simon	CHD1 regulates lineage-specific transcription at the level of transcriptional elongation
Becker, Matthias	Inhibition of KDM6 activity during murine ES cell differentiation induces DNA damage
Berger, Frederic	Histone H2A variants index genomic features and control 3D organisation of chromatin
Berges, Julian	A role of <i>Xenopus</i> Suv4-20h Histone Methyltransferases in Ciliogenesis?
Bertulat, Bianca	Proteomic analysis of structurally preserved mouse heterochromatin
Bheda, Poonam	Approaching single-cell "epigenetic" memory using microfluidics
Blasi, Thomas	Combinatorial histone acetylation patterns are generated by motif-specific reactions
Börner, Kenneth	Nucleosome remodeling factor isoforms DOM-A and DOM-B are required for cell type-specific development and H2A.V metabolism during <i>Drosophila</i> oogenesis
Böttger, Angelika	Jmjd6 - in and out of the nucleolus with the polyserine domain
Brehm, Alexander	Recruitment and regulation of the dMi-2 nucleosome remodeler by a transcription factor
Brönner, Cornelia	RNA elimination is required for heterochromatin assembly
Buschle, Alex	Epigenetically regulated cellular target genes of BZLF1
Cernilogar, Filippo	Transcriptional and chromatin dynamics underlying cell differentiation
Choi, Jeongyoon	DNA anchoring of Polycomblike promotes H3K27 tri-methylation by PRC2
Cosolo, Andrea	Cell cycle alterations in cellular stress response
Cremer, Thomas	3D nuclear topography of active and inactive regulatory sequences studied with super-resolution fluorescence microscopy
D.-Luebert, Emilia (Diagenode)	Reliable ChIP-seq results with Diagenode iDeal ChIP-seq and MicroPlex Library Preparation kits
Daujat, Sylvain	Signaling pathways to nucleosome lateral surface modifications
Deb, Maharshi	STARTs non coding RNAs link impaired transcription termination to cellular senescence
Defossez, Pierre	A histone mimic within DNA Ligase 1 recruits UHRF1 to sites of DNA replication: implications for DNA remethylation
Deindl, Sebastian	Single-molecule studies of chromatin remodeling enzymes
Dietzel, Steffen	The Core Facility Bioimaging at the Biomedical Center
Drinnenberg, Ines	Overcoming AbCENs: Recurrent loss of an essential gene in holocentric insects
E.-Murray, Ann	Improvement of Sir3 – Sir4 interaction for SIR heterochromatin formation by removal of a methyl group in Sir4
Engmann, Olivia	Cocaine-induced chromatin modifications are associated with increased gene expression and DNA-DNA interactions of AUTS2
Eustermann, S.	A Fully Recombinant Approach to Dissect INO80 Chromatin Remodelling in a Genome Wide Manner
Eustermann, S.	Structural Basis of Detection and Signaling of DNA Single Stranded Breaks by Human PARP-1
Forn Bernaus, M.	The role of heterochromatin in telomere assembly
Frey, Felice	Molecular Basis for targeting PRC1 to Polycomb Response Elements
Gaub, Aline	A genome-wide RNAi screen identifies novel functional NSL-complex interaction partners
Georgescu, Paula	Testing a model for spatial regulation of heterochromatin through sequestering a HAT complex to specific chromatin sites

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Grimaud, C.	H4K20-independent regulatory function of the Drosophila methyltransferase PR-Set7 on transcription
Gustems, Montse	The cellular AP-1 transcription factor, as well as the viral factor BZLF1, bind to and transactivate CpG-methylated promoters
Hadi, Nur Annies	DNA methylation dynamics across developing tissues in mouse development
Harpprecht, Lisa	In vitro Chromatin Assembly as a Tool to Study H2A.V at DNA Double Strand Breaks
Harrer, Nadine	The structural architecture of the chromatin remodeler ISWI determined by cross-linking and mass spectrometry
Hastert, Florian	Putative role for TET dioxygenases in RNA splicing regulation
Heinig, Matthias	HistoneHMM: Differential analysis of histone modifications with broad genomic footprints
Heinz, Kathrin	Epigenetic (com)position on DNA replication timing
Hermann, S.	Epigenetic inheritance of centromere identity in the pCON <sup>CENP-A</sup> vector system
Hintermair, C.	Specific Threonine-4 Phosphorylation and Function of RNA Polymerase II CTD during M-phase Progression
Huang, Tien-Chi	PRC2 restrains retrotransposons during epigenetic reprogramming in the mouse germ line
Izzo, Annalisa	Dynamic changes in H1 subtype composition during epigenetic reprogramming
Jordan, Albert	Specificities on the genomic distribution of human histone H1 subtypes
Jurkowski, T.	Efficient targeted DNA methylation with a chimeric dCas9-DNA methyltransferase
Kirstein, Nina	Distinct H4K20 methylation states in active and silent chromatin control mammalian DNA replication
Knyphausen, A.	Measuring Chromatin Maturation by FRAP-Analysis during Xenopus Development
K.-Stewart, Addie	dADD1: interaction partners suggest multiple roles along chromatin
La Fortezza, M.	Epithelial tumor formation leads to loci specific changes of Polycomb protein activity
Lahiri, Shibojyoti	In situ detection of histone variants and modifications in mouse brain using imaging mass spectrometry
Lakomek, Kristina	Assembly states and conformational plasticity of Reptin/ Pontin for chromatin remodelers/ modifiers
Laurette, Patrick	Epigenetic regulation of gene expression by MITF via the PBAF and NURF chromatin-remodelling complexes in melanoma
Lechner, Carolin	Traceless synthesis of asymmetrically modified nucleosomes reveals trans-tail regulation of PRC2 in bivalent chromatin
Ludwig, Anne-K.	MBD proteins directly prevent binding of Tet1 to DNA thereby inhibiting its methylcytosine oxidation activity and controlling transcriptional noise
Ludwigsen, J.	Regulation of the Chromatin Remodeler ISWI by its N-terminal region
Lukacs, Andrea	HMR and LHR complexes in the speciation of <i>D. melanogaster</i> and <i>D. simulans</i>
Lungu, Cristiana	An ATPase-deficient variant of the SNF2 family member HELLS shows altered dynamics at pericentromeric heterochromatin
MacCarthy, Caitlin	Dissecting Oct4's DNA binding in establishing and maintaining pluripotency
Maini, Jayant	Dual Regulation by Human PRE-PIK3C2B: Interaction with repressive and activating complexes
Michaelis, Jens	Mechanistic insight into ATP dependent nucleosome remodeling from single-molecule FRET
Molaro, Antoine	Phylogenomics of X-linked H2A variants in mammals
Mrozek, Paulina	Permissive enhancer elements in EBV's chromatin regulate BZLF1 target genes and three-dimensional chromatin structure during infection
Müller, Marisa	Structure of the RNA helicase MLE reveals the molecular mechanisms for uridine specificity and RNA-ATP coupling
Mullholland, Ch.	The MIN-tag: a modular, open platform genome engineering strategy for investigating epigenetic processes under physiological conditions
Nashun, Buhe	Continuous histone replacement by Hira is essential for normal transcriptional regulation and de novo DNA methylation during Mouse oogenesis
Natale, F.	Identification of structural units of DNA damage response by combined super-resolution microscopy and genome-wide analyses

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Neumann, Heinz	In vivo interaction studies in and on chromatin with genetically encoded UV-activatable crosslinker amino acids
Nuebler, J.	Emergence of robust nucleosome patterns from an interplay of molecular mechanisms
Osberg, Brendan	Replication-guided nucleosome packing and nucleosome breathing expedite the formation of dense arrays
P.-Chronakis, M.	INO80 Chromatin Remodeler Facilitates Release of RNA Polymerase II from Chromatin for Ubiquitin-Mediated Proteasomal Degradation
Pennings, Sari	The role of histone demethylation of H3K9me2/3 in zygotic pronuclear asymmetry and gene activation in early mouse development
P. de Almeida, G.	Regulation of SETDB1 activity in mouse embryonic stem cells
Pisacane, Paola	Investigating the role of 3' end modifications of small RNAs in RNAi dependent heterochromatin formation
Pokrovsky, Daniil	Regulatory mechanisms underline histone modification profiles
Polo, Sophie	New insights into epigenome maintenance in response to DNA damage by real-time tracking of histone dynamics in human cells
Quack, Salina	Structure of nucleosomal arrays investigated by AFM
Reinhart, Marius	Employing the advancements in light microscopy, to boldly model what no one has seen before
Reis, Helena	A new piece of the trypanosomal shelterin puzzle
Renna, Alessio	Comprehensive analysis of MNase-seq biases
Ricci, Maria	Chromatin fibers are formed by heterogeneous groups of nucleosomes in vivo
Rockinger, Alex	Chromosome number reduction during the evolution of the papaya family, Caricaceae (Brassicales)
Samel, Anke	Improvement of Sir3-Sir4 interaction for SIR heterochromatin formation by removal of a methyl group in Sir4
Schalch, Thomas	SHREC silences heterochromatin via separable remodeling and deacetylation modules
Schauer, Tamas	Local spreading of the Drosophila Dosage Compensation Complex on the hard-wired X chromosome
Schmähling, S.	Characterization of the Ash1 protein complex, a trithorax group regulator in Drosophila
Schüller, Roland	Heptad-specific phosphorylation of RNA polymerase II CTD
Sch.-Hentrich, J.	Epigenomics in Parkinson's Disease – Genome-wide analysis of epigenetic signatures in a PD mouse model under environmental influences
Sewitz, Sven	Cellular Systems Biology of Chromosome Dynamics
Shah, Nilay	Functional analysis of the tyrosine residues in the C-Terminal Domain (CTD) of mammalian RNA polymerase II
Sharma, Priyanka	PADI2 modulates Progesterone transcriptional regulation in breast cancer cells
Sharma, Vineeta	Epigenetic modulation of desiccation resistance in Drosophila melanogaster
Singh, Hari	DNA damage activates the human oncogenic chromatin remodeler ALC1 through poly-ADP-ribose binding
Smets, Martha	DNMT1, UHRF1 and UHRF2 mediated regulation of dynamic cytosine modification states during neuronal progenitor differentiation
Smolle, Michaela	Recruitment of chromatin remodeler Isw1b depends both on histone H3K36 methylation and DNA-binding
Söllner, Flavia	Isoform-specific antibodies aid the characterization of HDAC9 deacetylase isoforms in large-vessel stroke
Sousa, Aretuza	Sequence and chromatin characteristics of the largest known plant sex chromosome
Storti, Andrea	From chromatin accessibility to regulatory networks
Straub, Tobias	ACF1 endows Drosophila euchromatin with periodicity
Theofel, Ina	The epigenetic readers tBRD-1 and tBRD-2 cooperate to guarantee transcription of a defined set of genes in spermatocytes
Valentini, Mattia	Segregation of non-chromosomal DNA in fission yeast
Villa, Raffaella	PionX sites mark the X chromosome for dosage compensation

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Völker-Albert, M.	The Kinetics of Chromatin Assembly
Walker, Maria	Towards an in vitro reconstitution of genome-wide nucleosome positioning for <i>Schizosaccharomyces pombe</i> with CHD1 chromatin remodelers
Weber, Patrick	DNA replication dynamics in embryonic stem cells
Wiechmann, T.	Chromatin structure and epigenetic mechanism of fine-tuning FKBP5 gene expression
Winkler, Claudia	Protein phosphatase PP1-NIPP1 expression causes replication stress and impaired DNA repair
Wolfram, Antonin	YL-1/VPS72 is required nuclear re-organization during mitotic exit
Wong, Ronald	Investigating the Requirement of the Chromatin Remodelling Ino80 Complex for Postreplicative DNA Repair
Yu, Haochen	Transcription promotes asymmetric segregation of DNA circles in fission yeast
Zhang, Peng	Ten-eleven-translocation proteins mediate activation of L1 retrotransposition and this is repressed by methyl-CpG binding domain proteins
Zink, Lisa-Maria	New discoveries on how human DAXX achieves H3 variant binding specificity in vivo