

A, Deli	Presenter: Amodeo, Valeria	
<b>A PRC2-controlled PML/Slit axis at the root of cell migration in both normal and neoplastic cells in the CNS</b>		52
Achinger-Kawecka, Joanna		
<b>Three-dimensional disorganization of the prostate cancer genome occurs coincident with long-range genetic and epigenetic alterations</b>		53
Adoue, Veronique		
<b>HMT controls CD4 T cell programming through Endogenous retroviruses repression</b>		54
Agarwal, Harsha		
<b>Cell-cycle dependent kinetic interactions of CTCF with chromatin</b>		55
Ajam, Tahereh		
<b>Investigation of structure and function of acetyltransferase Esco1/2</b>		56
Akulenko, Natalia		
<b>Characterization of chromatin structure and transcription of transgene-associated piRNA clusters in the Drosophila germ line</b>		57
Alabert, Constance		
<b>DNA replication and Epigenome maintenance</b>		58
Alavian-Ghavanini, Ali		
<b>Estrogen receptor beta regulates locus-specific DNA methylation – a possible mechanism underlying epigenetic effects of endocrine disrupters</b>		59
Albig, Christian		
<b>CLAMPing the Dosage Compensation Complex to the X chromosome in flies</b>		60
Almeida, Mafalda		
<b>PRC1 initiates Polycomb domain formation on the inactive X chromosome</b>		61
An, Sojin	Presenter: Cho, Uhnsoo	
<b>Structure-based nuclear import mechanism of histones H3 and H4 mediated by Kap123</b>		62

Ashe, Hilary	Presenter: Pinheiro, Marco	
The role of architectural binding proteins in BMP regulated enhancer activation within early Drosophila development		63
Aughey, Gabriel		
In vivo cell-type specific chromatin accessibility profiling in Drosophila		64
Bacquet, Caroline		
Applying environmental epigenomics to assess adaptation to global change in Heliconius melpomene butterfly populations		65
Bahr, Carsten		
A cluster of enhancer modules directs differential Myc expression along the normal and leukemic haematopoietic stem cell hierarchies		66
Bajpai, Gaurav		
Role of non-histone proteins in higher- order structure of Chromatin		67
Baker, Christopher		
Genetic control of the epigenetic landscape		68
Barriocanal, Marina		
Disruption of a short region of chromosome 5 silences the cellular antiviral IFN response		69
Barucci, Giorgia		
New roles of piRNAs in gene regulation		70
Basilicata, Maria Felicia		
De novo mutations in MSL3 lead to a rare Intellectual disability syndrome impairing histone H4 lysine 16 acetylation (SIK 16)		71
Becker, Julia		
Identification of genes under dynamic post-transcriptional control from time-series epigenomic data of mesenchymal differentiation using linear regression		72
Bell, Oliver		
Canonical PRC1 promotes epigenetic inheritance of Polycomb-dependent gene silencing		73

Beltran Nebot, Manuel		
The interaction of PRC2 with nascent G-rich RNA or chromatin is mutually antagonistic. PRC2 preferentially interacts with G-rich RNA, blocking its association with chromatin		74
Beyes, Sven		
The proto-oncogene MYB is a directly repressed target gene of the EMT master regulator SNAIL1		75
Bhalla, Pratibha		
Extra transcriptional role of Transcription Factor (III C) in replication fork protection at tRNA genes		76
Bhargava, Purnima	Presenter: Shukla, Ashutosh	
Yeast FACT complex associates with the RNA polymerase III and maintains H2A.Z level at the 3' gene-end		77
Bianchi, Marco		
How many nucleosomes in a mammalian cell?		78
Blewitt, Marnie		
The maternal supply of Smchd1 is required for imprinted X inactivation and genomic imprinting		79
Bondareva, Olga		
Genome-wide analysis of enhancer elements in endothelial cells upon stimulation with atherprone oscillatory flow		80
Bonev, Boyan		
Ultra-deep Hi-C reveals dynamic chromatin networks in neural development		81
Borchers, Annette	Presenter: Schwenty-Lara, Janina	
Methyltransferase KMT2D is required for Xenopus neural crest development		82
Borghini, Lisa		
Variation in genome-wide NF-kappaB RELA binding sites in response to different microbial stimuli		83
Bourgeois, Cyril		
RNA helicases control two critical steps of neuroblastoma cell differentiation		84

Bouvier, Déborah Mechanism for HIRA-mediated transcription regulation following UVC damage	85
Bracken, Adrian Antagonism between sub-stoichiometric subunits of the PRC2 complex: Discovery of a new family of vertebrate specific PRC2 subunits that compete with Aebp2	86
Bredesen, Bjørn Andre Modelling genome-wide chromatin immunoprecipitation data for prediction of Polycomb/Trithorax Response Elements	87
Briand, Nolwenn Deregulation of T/Brachyury leads to untimely mesodermal and vascular gene expression in laminopathy patient-derived iPS cells	88
Brocklehurst, Sam Over-expression of DNA methyltransferase MET1 in Arabidopsis generates new epialleles with heritable expression states	89
Browne, Martin Properties and functional roles of novel H2B variants in the compaction of promtamine-less sperm chromatin	90
Bruno, Melania A PHD-finger protein regulates RNA polymerase II transcription and neuronal differentiation	91
Campillo-Marcos, Ignacio Specific inhibition of chromatin remodelers and its connection with defects in DNA repair after inducing DNA damage	92
Cardoso Júnior, Carlos DNA methylation regulates honeybee aging via microRNAs and vitellogenin expression	93
Casas, Anna Linker histone H1 prevents R-loop accumulation and genome instability in heterochromatin	94

Cattoni, Diego		
<b>Cell specific epigenetically defined long-range low-frequency interactions regulate the higher-order genome architecture in Drosophila</b>		95
Cera, Isabella	Presenter: Cera, Isabella; Abentung, Andreas	
<b>Changes in nuclear geometry are associated with long-term memory formation</b>		96
Chavalmane, Aravinda		
<b>Super-enhancers define the gene signature in cancer chemoresistance</b>		97
Chavez, Lukas	Presenter: Mack, Stephen C.; Chavez, Lukas	
<b>Therapeutic targeting of tumors as informed by oncogenic chromatin profiling</b>		98
Chedraoui Silva, Tiago		
<b>TCGAbiolinksGUI: A graphical user interface to analyze cancer genomics and epigenomics data</b>		99
Chen, Fang	Presenter: Aravamudhan, Sriram	
<b>The use of highly validated recombinant rabbit monoclonal antibodies to analyze histone modifications and transcription factor binding by ChIP-seq</b>		100
Chen, Kuan-Wei		
<b>SH2B1 modulates chromatin state and MyoD occupancy to enhance expressions of myogenic genes</b>		101
Chen, Lucy		
<b>Epigenetic basis for heterogeneous expression of cell adhesion molecules in the vascular endothelium</b>		102
Chernyavskaya, Yelena		
<b>Loss of DNA methylation in zebrafish embryos activates retrotransposons to trigger an antiviral response</b>		103
Choi, Min Hee		
<b>GLP modulates heterochromatin clustering by repressing methyl-CpG binding protein 2 during myogenic differentiation</b>		104

EMBO Conference: Chromatin and Epigenetics

Cholewa-Waclaw, Justyna	
The mechanisms of transcriptional modulation by MeCP2	105
Codato, Roberta	
The Lysine Methyltransferase SMYD3 participates in mammalian myogenesis	106
Collombet, Samuel	
DNA hydroxy-methylation and methylation dynamics during rapid reprogramming into iPSC	107
Cornes, Eric	
Role of the catalytic activity of the C.elegans Argonaute protein CSR-1 in positive transcriptional regulation	108
Coustham, Vincent	
Impact of embryonic heat conditioning on bird epigenome	109
Cruz-Molina, Sara	
Poised enhancers regulatory activity is topologically facilitated by polycomb	110
Cuartero, Sergi	
Cohesin and gene regulation in myeloid cells	111
Cutano, Valentina	
Role of HDAC7 in the control of proliferation in human breast cells	112
Dabin, Juliette	
Chromatin alterations after DNA damage: function of new histone deposition?	113
Dahl, Hildegunn	
Genomic instability and cognitive function in F2 mice originating from grandfathers exposed to chronic low dose rate gamma radiation	114
Dalcher, Damian	
Chromatin regulation in ground state embryonic stem cells	115

Dangin, Mathieu YTH- and lncRNA-mediated co-transcriptional control of cellular differentiation in fission yeast	116
Daskalaki, Maria G. The role of histone demethylases PHF2 and PHF8 in macrophage activation and polarization	117
Daum, Ruben Detection of DNA methylation using Raman microspectroscopy	118
Daura Sarroca, Eduard Cystatin B -deficient mouse neural stem cells present epigenetic alterations in the context of neuronal differentiation.	119
de Mendoza, Alexandre Recurrent acquisition of cytosine methyltransferases into eukaryotic retrotransposons	120
Dhiman, Heena Phenotypic changes in CHO based on genes involved in energy metabolism	121
Díaz, Noelia Characterisation of the Zebrafish 3D genome	122
Ding, Pingtao Comprehensive capture-seq (Coca-seq) unravels gene regulation mechanism in plant immune signalling	123
Dion, Camille SMCHD1 protein a key player in the epigenetic regulation of two unrelated diseases: Facio-Scapulo-Humeral Dystrophy and Bosma Arhinia Microphthalmia Syndrome	124
Dogan, Fatma Telomerase inhibitor BIBR1532 effects on epigenetic mechanisms in U87MG brain tumors	125
Dogini, Danyella Epigenetic changes in the hippocampus of an epilepsy model	126

Dolata, Jakub		
<b>ARGONAUTE1 acts in a close relation to chromatin and is involved in alternative splicing regulation in Arabidopsis thaliana</b>		127
Dolskiy, Alexander		
<b>The histone deacetylase inhibitors effect on the FMR1 gene expression in the cell lines of patients with fragile X syndrome</b>		128
Dorafshan Esfahani, Eshagh		
<b>Unique role of Ash1 in counteracting Polycomb repression</b>		129
Dos Santos, Matthieu		
<b>Does the Myosin heavy chain central enhancer organize the (3D) chromatin structure of the locus?</b>		130
Ducoli, Luca		
<b>Investigation of novel long noncoding RNAs with a possible role in angiogenesis and lymphangiogenesis</b>		131
Ehrenhofer-Murray, Ann	Presenter: Samel, Anke	
<b>Regulation of centromere function by posttranslational modifications on the centromeric histone variant CENP-A/ Cse4 in yeast</b>		132
Feil, Robert		
<b>Meg3 long non-coding RNA expression controls imprinting by preventing transcriptional upregulation</b>		133
Feng, Weijun		
<b>The chromatin remodeler CHD7 is essential for neurodevelopment</b>		134
Fetahu, Irfete		
<b>Genome-wide profiling of 5-methyl-, 5-hydroxymethyl-, and 5-formyl/5-carboxy-cytosine in Alzheimer's disease</b>		135
Fischer, Johanna		
<b>The role of conserved non - coding elements in chromosome architecture at the Sox21 locus</b>		136
Fiserova, Jindriska		
<b>Chromatin organization around nuclear pore complexes as revealed by image analysis of structured illumination microscopy data</b>		137

Fodor, Barna	
<b>CGG repeat-induced FMR1 silencing depends on the expansion size in human iPSCs and neurons carrying unmethylated full mutations</b>	138
Franke, Martin	
<b>Fine-scale analysis of chromatin interactions identifies tissue-specific compartmentalization at the SOX9 locus</b>	139
Fursova, Nadezda	
<b>Understanding how variant and canonical PRC1 complexes establish Polycomb repressive chromatin states in mouse ES cells</b>	140
Galic, Hrvoje	
<b>Heterochromatin complex dynamics following genomic replication</b>	141
Galle, Joerg	
<b>The regulatory capacity of bivalent genes – a theoretical approach</b>	142
Galupa, Rafael	
<b>The structural and regulatory landscape of the X-inactivation centre</b>	143
Gaub, Aline	
<b>A genome-wide RNAi screen identifies novel functional NSL-complex interaction partners</b>	144
Gentile, Claudia	
<b>The role of polycomb group proteins in HoxA gene dynamics and limb development</b>	145
George, Charlotte	
<b>Identifying regulatory networks in cerebellar granule neuron progenitor cells using Capture Hi-C</b>	146
Georgescu, Paula	
<b>Pdp3 targets the Mst2 HAT complex to H3K36me3 to maintain stable chromatin domains</b>	147

Gerard, Deborah Derivation of gene regulatory networks from temporal epigenomic and transcriptomic profiles identifies aryl hydrocarbon receptor (AhR) as a super-enhancer controlled regulator of mesenchymal multipotency	148
Ghavi-Helm, Yad The functional impact of structural rearrangements on transcription regulation in 3D during embryogenesis	149
Giaimo, Benedetto Daniele Histone Variant H2A.Z Deposition and Acetylation directs the Notch signaling response	150
Gilsbach, Ralf Distinct epigenetic programs regulate gene expression in human cardiac myocyte development and disease	151
Godfrey, Laura Understanding the role of DOT1L in MLL-AF4 leukaemia	152
González-Rojo, Silvia Distribution of oxidative DNA damage in the sperm nucleus: Implications of the head architecture	153
Greulich, Franziska COMPASS complex histone methyl transferases are involved in the anti-inflammatory actions of the Glucocorticoid Receptor	154
Grinat, Johanna Histone methyltransferases in epigenetic regulation of colorectal cancer	155
Hajmirza, Azadeh H3K9 trimethylation controls oncogenic signaling and the malignant state in mantle cell lymphoma	156
Halaburkova, Andrea Chromatin regulation by histone deacetylase inhibitors sensitizes colon cancer cells to photodynamic therapy through epigenetic modulation of cdkn1a	157

Handa, Tetsuya		
Dynamics of histone modifications and RNA polymerase II in heat shock response		158
Hardy, Kristine		
B lymphocyte activation induces H3T6 phosphorylation over the body of selected early response genes		159
Harr, Jennifer		
Mechanism and function of genome organization in muscle development and integrity		160
Hernández Rodríguez, Benjamín		
Reassembly of the zebrafish genome using in situ Hi-C data		161
Heuberger, Julian		
Colon cancer organoids gain self-renewal capacity by activation of chromatin-modifying enzymes		162
Hill, Joseph	Presenter: Wai, Htoo; Greco, Maria	
Conserved non-coding elements from the sea lamprey reveal enhancer neofunctionalisation at the vertebrate stem		163
Hofmann, Julia		
Histone variant loading in Acute Promyelocytic Leukeamia		164
Hoghoughi, Naghmeh		
Post-meiotic programming of male pericentromeric regions during spermatogenesis		165
Holtzman, Liad		
Gene repression via CRISPR-assisted modification of specific chromatin marks		166
Huebner, Aaron		
Continuous suppression of Mek1/2 impairs the developmental potential of mouse embryonic stem cells		167
Hussong, Michelle	Presenter: Grimm, Christina	
Splicing and pericentromeric RNA expression under cellular stress conditions is regulated by an interaction between BRD4 and HSF1		168

Iannello, Andrea Chromatin remodeling in Th17 and Treg plasticity induced by E2 immunomodulation	169
Ibrahim, Daniel Engineering TADs to redirect regulatory information	170
Ignatyeva, Maria Human HIRIP3 is a novel H2A histone chaperone	171
Jameel, Nader Developing a diagnostic panel for cancer detection and classification based on DNA methylation	172
Jansen, Malin Creating a new balance - EZH2 knock out partially rescues CHD7 knock out phenotype	173
Jansz, Natasha Characterising the molecular mechanisms for transcriptional repression by Smchd1	174
Juan, David Epigenomic evolution in the primate lineage	175
Kaasinen, Eevi A germline TET2 mutation segregating with blood DNA demethylation deficiency and nodular lymphocyte predominant Hodgkin lymphoma	176
Karimi Aghcheh, Razieh LaeA/1-velvet of fungi: Chromatin and transcription	177
Karimi, Mohammad Mahdi ALEA2: A bioinformatics tool for allele-specific methylation analysis	178
Kartal, Önder Information-theoretic analysis of Arabidopsis methylomes uncovers epigenetic population structure	179

Kawasaki, Fumiko Genome-wide mapping of thymine modifications in eukaryote parasites	180
Kaypee, Stephanie Enhancement of p300 Autoacetylation through Effector-mediated Allosteric Activation	181
Kelkar, Ashwin Role of SATB proteins in X inactivation	182
Keller, Claudia Rapid evolution of dosage compensation in Drosophila via newly acquired roX2 ncRNA – MSL complex interaction	183
Khani, Sajjad Parallel transcriptomic and epigenomic profiling identifies novel regulators of brown adipose tissue	184
Kherdjemil, Yacine Evolution of Hoxa11 regulation in vertebrates is linked to the pentadactyl state	185
Khoueiry, Rita Lineage-specific functions of TET1 in primed pluripotency	186
Kloet, Susan NuRD-interacting protein Zfp296 regulates genome-wide NuRD localization and differentiation of mouse embryonic stem cells	187
Knopp, Alexandra Chemical biology of protein arginine methyltransferase 2	188
Kocer, Ayhan Chromatin packaging but not chromosome territories is affected by oxidative DNA damage in mouse spermatozoa	189
Kolundzic, Ena FACT is a reprogramming barrier in C. elegans and human cells	190

Kotake, Yojiro Long non-coding RNA, ANRIL regulates cell proliferation via repressing INK4 locus	191
Kovac, Kristina Cancer relevant mutations in chromatin remodeler CHD4/Mi-2	192
Kribelbauer, Judith F. Mapping position-specific effects of DNA methylation on transcription factor binding using EpiSELEX-seq	193
Labade, Ajay Nup93 sub-complex regulates HOXA gene expression	194
LaBarre, Brenna Differentiating between sequence and methylation variability in genome methylation data	195
Lacadie, Scott Chromatin accessibility, histone modifications and nascent RNA compose diverse solutions to transcriptional regulatory architecture within and across species	196
Lam, Sophia So Ngo The cellular mechanism of anoxia-induced suspended animation in <i>C. elegans</i> and <i>S. cerevisiae</i>	197
Lancrey, Astrid Engineering of large tandem repeated arrays of nucleosome positioning sequences in yeast to study determinants of nucleosome spacing in vivo	198
Lane, Karen Loss of the histone acetyltransferase hMOF leads to increased invasive and metastatic potential of breast cancer cells	199
Laxa, Miriam Regulatory cis-elements are located in accessible promoter regions of the CAT2 promoter and affect activating histone modifications in <i>Arabidopsis thaliana</i>	200

Lee, Chen-Cheng		
<b>Role of N-alpha-acetyltransferase 10 Protein in DNA methylation and genomic imprinting</b>		201
Lee, Hansae		
<b>BAP1 is required for replication fork recovery and genome stability</b>		202
Lee, Kyoung-Hwa		
<b>Histone demethylase KDM7a controls androgen receptor activity in hormone-sensitive prostate cancer</b>		203
Lee, Shin-Ai		
<b>INO80 haploinsufficiency inhibits colon cancer tumorigenesis in mouse model</b>		204
Lehner, Paul		
<b>How are newly integrated human retroviruses silenced?</b>		205
Lenz, Jonathan		
<b>Novel interactors of CHD4/Mi-2 in Drosophila melanogaster</b>		206
Lopes, Judith		
<b>TALE fused to chromatin modifier for epigenetic engineering at satellite DNA repeats in mouse centromeric regions</b>		207
Maldonado, Rodrigo		
<b>Chromatin - The right substrate for RNA-DNA triplex formation</b>		208
Malvezzi, Francesca		
<b>Analysis of the effects of phosphorylation on the epigenetic target BRD4 through integrative structural biology</b>		209
Mandal, Papita		
<b>Chromatin interaction of the DNA maintenance regulating UHRF1 protein is controlled via PI5P induced conformational rearrangement</b>		210
Marcia, Marco	Presenter: Garcia-Ferrer, Irene	
<b>Exploring the mechanisms of PRC1 recruitment by the lncRNA Xist</b>		211
Mauser, Rebekka		
<b>Application of dual reading domains as novel reagents in chromatin biology</b>		212

EMBO Conference: Chromatin and Epigenetics

Mayran, Alexandre Pioneer factor Pax7 deploys a stable enhancer repertoire for specification of cell fate	213
Miller, Brendan Detecting DNA methylation in blood for cancer detection	214
Modis, Yorgo Molecular mechanism of viral gene silencing by the Human Silencing Hub (HUSH)	215
Mohan, Conor Transcriptomic, brain & behavioural abnormalities in mice deficient for the autism associated chromatin remodelling factor, Chd8	216
Moison, Céline E4F1 transcription factor regulates transcriptional silencing at the site of DNA lesions	217
Mokdad-Gargouri, Raja CpG methylation of ubiquitin carboxyl-terminal hydrolase 1 (UCHL1) and P53 mutation pattern in sporadic colorectal cancer	218
Morrish, Rikke Single cell measurements of chromatin states using label-free techniques	219
Moss, Thomas A unique enhancer boundary complex stably defines the poised state of the major Ribosomal RNA genes	220
Mrozek-Gorska, Paulina Chromatin acquisition and structure of Epstein-Barr virus DNA during different phases of infection	221
Müller, Iris Investigation of chromatin-associated proteins required for mouse ES Cell self-renewal using focused CRISPR/Cas9 screening	222
Nothjunge, Stephan Chromatin architecture serves as a barrier for dynamic DNA methylation	223

Padeken, Jan		
Histone H3K9 methylation is dispensable for <i>C. elegans</i> development but suppresses RNA:DNA hybrid-associated repeat instability	224	
Paliou, Christina		
A CTCF-dependent chromatin interaction ensures robust enhancer-promoter communication at the <i>Shh</i> locus	225	
Pantier, Raphael		
Analysis of Tet1 dynamics and intermolecular interactions in embryonic stem cells	226	
Park, Soo-Yeon		
SUMOylation of TBL1 and TBLR1 promotes androgen-independent prostate cancer cell growth	227	
Parker, Hannah		
Identification of specific methylation targets of the serrated pathway to colon cancer	228	
Patil, Ajay		
Ribosomal Protein S3 negatively regulates unwinding activity of RecQ like helicase 4 through their physical interaction during oxidative and UV stress	229	
Paulsen, Jonas		
Computational modeling reveals 4D genome reorganization during stem cell differentiation	230	
Pei, Jiayi		
Genome-wide analysis reveals unique chromatin signatures in myocardium of aortic stenosis induced chronic pressure overload patients	231	
Pena, Rodrigo		
Epigenetic alterations in prostate cancer stem cells	232	
Pereira, Allwyn		
Mechanistic insights into re-establishment of silencing at target genes by Polycomb repressive complex I	233	

Petkau, Nikolai TIP60 acetylation of BMAL1 links positive and negative arms of the molecular circadian clock	234
Petrova, Darya Ectopic expression of ROS1 DNA glycosylase from <i>Nicotiana tabacum</i> causes global DNA demethylation in human cells	235
Pezzini, Francesco Transcription factor – histones interplay in regulation of stress response and secondary metabolism	236
Pintacuda, Greta Functional analysis of Xist RNA	237
Priya, Swati Deciphering the function of overexpressed miRNA(miRs) in BLM patient cells exhibiting high levels of DNA damage	238
Quack, Salina Single-molecule Studies provide insights into the structure and dynamics of the chromatin remodeler Chd1	239
Ramírez, Fidel DNA sequences determine genome organisation in flies	240
Ramos, Lorrie Implication of the CENP-A nucleosome structure in the assembly of the kinetochore during mitosis	241
Rather, Mubasher Nitrate sensing and signaling helps in adaptation to fluctuating nutrient conditions	242
Rawluszko-Wieczorek, Agnieszka Identification of protein methylation readers with yeast 3 hybrid approach.	243
Rennie, Sarah Transcription is tightly coupled to chromatin organisation and is predictive of cell specific interactions	244
Presenter: Andersson, Robin	

Riccio, Andrea		
The intracellular mediators of the BMP pathway SMAD1/5 bind the Imprinting Control Regions through interaction with the ZFP57/KAP1 complex and contribute to maintain their DNA methylation in mouse embryonic stem cells	245	
Richard, Gautier		
Dosage compensation and sex-specific epigenetic landscape of the X-chromosome in the pea aphid	246	
Riegman, Kimberley		
The epigenetic regulation of mouse cerebellar development	247	
Riou, Rozenn		
$\beta$ -catenin-dependent erythropoiesis in adult mice deficient in hepatic ARID1A chromatin remodeler	248	
Riyahi, Kumars		
Chromosome Dynamics and Nuclear Motor Activity in Interphase Cell Nuclei	249	
Robbez-Masson, Luisa		
The HUSH complex and KAP1 converge to instate silent chromatin at retrotransposons	250	
Rudolf, Eva Esther		
S-Nitrosothiol as architect of the methylome in <i>Arabidopsis thaliana</i>	251	
Ruiz-Romero, Marina		
Time and space contribution to gene expression during differentiation and development	252	
Saidi, Dalel		
Glioma-induced deacetylation of hMOF by SIRT1 modulates H4K16 acetylation in tumor-associated microglia	253	
Samel, Anke		
Variants of the Sir4 coiled-coil domain improve binding to Sir3 for heterochromatin formation in <i>Saccharomyces cerevisiae</i>	254	

Santoro, Raffaella	
The nucleolus is a key regulator for the remodeling of chromatin architecture during embryonic stem cell differentiation	255
Sas-Nowosielska, Hanna	
Dynamics of replication factories in cell nuclei	256
Satovic, Eva	
The effect of Drosophila melanogaster embrionic extract on (partial) nuclear reprogramming	257
Schwartz, Uwe	
Characterizing higher order structures of chromatin in human cells	258
Sein, Henel	
Interplay between RNA polymerase II subunit Rpb9 and histone H3 acetylation in DNA damage response	259
Seuter, Sabine	
Epigenomic PU.1-VDR crosstalk modulates vitamin D signaling	260
Sharma, Kiran	
Nucleosomal response pathway and gene programming	261
Sheikh, Bilal	
MOF-NSL activity in the brain is critical for establishing the Blood Brain Barrier	262
Siwek, Wojciech	
Role of chromatin in cellular memory of transcription	263
Sklias, Athena	
Role of epigenetic deregulation by estrogen hormones in breast cancer development	264
Skourti-Stathaki, Konstantina	
R-loops contribute to Polycomb repression of developmental regulated genes in ES cells	265
Sobol, Margarita	
Novel nucleoplasmic structures - phosphatidylinositol 4,5-bisphosphate islets – are essential for efficient transcription	266

Song, Min-Ji	
Epigenome mapping 1 highlights chromatin-mediated gene regulation in the protozoan parasite <i>Trichomonas vaginalis</i>	267
Sowinska-Seidler, Anna	
Determining long-range chromatin interactions in patients affected by congenital skeletal malformations by means of 4C-seq approach	268
Srinivasan, Shruti	
SUMOylation of G9a regulates its role in promoting myoblast proliferation	269
Sundaramoorthy, Ramasubramanian	Presenter: Hughes, Amanda
Structural reorganization of the chromatin remodeling enzyme Chd1 upon engagement with nucleosomes	270
Suter, David	
A role for SOX2 mitotic bookmarking in pluripotency and differentiation	271
Tacconi, Carlotta	
Lineage-specific epigenetic landscapes of lymphatic versus blood vascular endothelium	272
Teixeira da Rocha, Simão	
Genetic dissection of Xist lncRNA reveals conserved functional RNA domains involved in facultative heterochromatin formation during X-inactivation	273
Thomas, Tim	
Novel high affinity, specific inhibitors of the MYST histone acetyltransferases KAT6A/B potentiate oncogene-induced senescence	274
Török, Anna	
The role of novel SPKK-repeat rich H2B variants in promtamine-less sperm of animals	275
Tsai, Shih-Ying	
GAGA factor, a positive regulator of global gene expression, modulates transcriptional pausing and organization of upstream nucleosomes	276

Uhlirova, Jana	Presenter: Maninova, Miloslava	
<b>Changes in nuclear periphery and epigenetic landscape during differentiation of mouse myoblasts</b>		277
Ulicna, Livia		
<b>PIP2-a new player in epigenetic regulation of gene expression</b>		278
Valieva, Maria		
<b>Large-Scale ATP-independent nucleosome unfolding by a histone chaperone FACT</b>		279
Vanzan, Ludovica		
<b>Role of DNA methylation in the regulation of TF activity</b>		280
Veto, Borbála		
<b>Dynamic DNA methylation changes due to acute metabolic stress in mice</b>		281
Veverka, Vaclav		
<b>Structural and functional characterization of the epigenetic reader LEDGF/p75 in complex with its cellular and pathogenic binding partners</b>		282
Vieira, Mathieu		
<b>Study of the transcriptional regulatory shift associated with the transition from a naive pluripotent state to a primed pluripotent state</b>		283
Virksaite, Aida		
<b>Epigenetic modulator EGCG causes cellular senescence in acute and chronic myeloid leukemia cells</b>		284
Vissers, Joseph		
<b>Identification of a highly conserved transcription factor pair required for the maintenance of neuronal identity</b>		285
Völkel, Sara		
<b>Different modes of promoter recognition by Sp transcription factors</b>		286
Voss, Anne		
<b>The histone lysine acetyltransferase KAT6A/MOZ directs the distal-less gene expression program during craniofacial development</b>		287

Wai, Htoo		
Comparison of regulatory elements from blind cavefish with other teleosts provides clues to their role in vertebrate eye development		288
Wang, Shanzhi	Presenter: Reffo, Laura	
Dissecting the roles of the enzymatic and scaffolding functions of EXO1 in vivo		289
Wang, Shuang		
UHRF1 as a master regulator of hepatocyte proliferation during liver regeneration		290
Wiechens, Nicola		
Investigating the role of SWI/SNF complexes in cancer		291
Wiechmann, Tobias		
An intronic structural variant shapes the risk for stress-related diseases accompanied by epigenetic adaptations at the FKBP5 locus		292
Wigley, Dale	Presenter: Willhoft, Oliver	
Cross-talk within a functional INO80 complex dimer regulates nucleosome sliding		293
Wong, Lee		
Ribosomal DNA instability in ATRX mutated ALT cancers		294
Wong, Ronald	Presenter: Wong, Ronald; Ulrich, Helle	
Investigating the requirement of the chromatin remodelling Ino80 complex for postreplicative DNA repair		295
Woo, Tai-Ting		
Dynamic distributions of long double-stranded RNA in Tetrahymena during nuclear development and genome rearrangements		296
Wutz, Gordana		
Wapl, Pds5A and Pds5B control chromatin compartments, TADs and loops by regulating cohesin-DNA interactions		297

Wyce, Anastasia		
<b>Activation of RAS signaling as a mechanism of intrinsic and adaptive resistance to BET protein inhibition that is overcome by BET/MEK inhibitor combinations</b>		298
Xie, Wei		
<b>Epigenetic inheritance and reprogramming in early mammalian development</b>		299
Xiong, Xiaozhe	Presenter: Xiong, Xiaozhe; Li, Haitao	
<b>Selective recognition of histone crotonylation by double PHD fingers of MOZ and DPF2</b>		300
Yancoskie, Michelle		
<b>Dissecting the genetic regulatory landscape of the insulin-like growth factor signaling pathway</b>		301
Yizhar-Barnea, Ofer		
<b>DNA methylation dynamics during embryonic development and postnatal maturation of the auditory organ of corti</b>		302
Yonamine, Caio		
<b>Epigenetic regulation of Slc2a4 gene in skeletal muscle of type 2 diabetes mice: effect of resveratrol treatment</b>		303
Youness, Berthe		
<b>FMR1 epigenetic control can explain variable response of women ovarian reserve to clinical stimulation protocol</b>		304
Zacarias Cabeza, Joaquin		
<b>Long-fiber Carbon Nanotubes increase the level Methylation in Pleurally-exposed mice</b>		305
Zhang, Tianyi		
<b>Identification of readers of H3K27 and H3K36 methylation</b>		306
Ziane, Rahima	Presenter: Ziane, Rahima; Radman-Livaja, Marta	
<b>Gene dosage imbalance: An interplay between replication and transcription</b>		307

Zolotarev, Nikolay	
The Zinc finger-associated domain of ZAF1 protein is important for long distance interactions and insulation	308
Zukowski, Alexis	
Ubp10, a deubiquitinase, co-assembles with and is activated by SIR complex during heterochromatin assembly	309
Schwarz, Jessica	
Oncogenic Myc regulates specific genes by binding to low affinity promoters	310