

Ahel, Josip		
Chromatin remodeling activity of ChAHP-associated CHD4 is required to repress SINE B2 elements	43	
Ahmed, Sara		
A multi-omics approach to study the epigenetic mechanisms that control the maintenance and activation of adult hippocampal neural stem cells	44	
Akkouche, Abdou		
Epigenetic cross-talk: polycomb PRC2 complex and the Piwi-piRNA pathway in transposon silencing in Drosophila ovaries.	45	
Akkouche, Abdou	Presenter: Nicholson, Ben	
A dual histone code specifies the binding of heterochromatin protein Rhino to a subset of piRNA source loci	46	
Al-Mousawi, Jasmina		
High-resolution mapping of embryonic genome activation unveils a functional decoupling from H3K4me3 remodeling	47	
Alajoki, Reetta		
Chromatin dysregulation in uterine leiomyomas: insights from CRISPR engineered model cell lines	48	
Alice, Arnould		
Characterizing the tissue specific regulation and epigenetic response to AAV9-SMN1 gene therapy for Spinal Muscular Atrophy (SMA)	49	
Alizada, Azad	Presenter: Rodriguez Suarez, Julia Victoria	
The transcription factor traffic jam orchestrates the somatic piRNA pathway in Drosophila ovaries	50	
Alvarez Meythaler, Jose Gabriel		
Rewiring 3D genome organization: chromatin dynamics in response to UV damage	51	
Anfossi, Michela		
Dissecting the molecular basis of chromatin phase separation	52	

Arroyo Lopez, Maria	
MBD1 maintains embryonic stem cell pluripotency and facilitates mesoderm and ectoderm differentiation	53
Arz, Valerie	
The role of heterochromatin in the adaptation to UV-induced DNA damage and aging	54
Balaban Orenshtein, Noa	
Autoregulatory and genome-wide consequences of over-expression of chromatin modifiers	55
Barbadilla Martinez, Lucia	
The regulatory grammar of human promoters uncovered by MPRA-trained deep learning	56
Bender, Ambre	Presenter: Weber, Michaël
UHRF2 mediates resistance to DNA methylation reprogramming in primordial germ cells	57
Beneggi, Anna	
Deciphering the interplay between tumour metabolites and T regulatory cells epigenome	58
Benetti, Natalia	
Dissecting long non-coding RNA function using in vivo synthetic biology	59
Beno, Alexandra	
Exploring enhancer landscape alterations from fetal lung to lung cancers	60
Bersaglieri, Cristiana	
Nucleolar-BioID2, an “all-in-one” technology to identify nucleolar genomic and proteomic content in advanced prostate cancer.	61
Bhoi, Anupam	
Conformational dynamics of the ISWI nucleosome remodelling enzyme	62

Bowden, Sarah		
Foxi1 regulates the establishment of early chromatin for ectodermal development and mucociliary progenitors in <i>Xenopus</i>		63
Búcaro Stenman, Karolina		
Chromatin remodeling of the rRNA promoters during epithelial-mesenchymal transition in mouse cells		64
Buka, Karolina		
Enhanced detection of chromatin loops and stripes using improved cohesin HiChIP protocol and bioinformatic analysis		65
Bustos, Brandon		
Transcriptional rewiring upon repeated exposure to a metabolic stressor reveals reinduction memory in mammalian cells		66
Cai, Wei		
Fluorescent labeling of cellular DNA for an exploration of in-situ chromatin structure		67
Capriati, Martina		
Essential genes are pioneered and activated by master transcription factors		68
Cecalev, Daniela		
Identifying X-linked dosage-sensitive genes and their cell-lineage specificities on the mouse X-chromosome		69
Chan, Timothy En Haw	Presenter: Timmers, Marc	
TGF-β activated transcription is controlled by a MLL4-JUNB feed-forward loop		70
Chatzantonaki, Eleftheria		
The functional role of Polycomb-mediated chromatin architecture during neuronal development.		71
Chen, Min		
Identification of the quinone reductase 2 as a bona fide reader of histone H3 serotonylation that contributes to neural gene expression		72

Chhatbar, Kashyap	
Unravelling epigenetic regulation of gene expression with explainable AI - a case study leveraging degron data	73
Cookis, Trinity	
Structural diversity of Polycomb Repressive Complex 2 subtypes	74
Corda, Luca	
Conserved chromosome architecture in human and non-human primates using novel computational approaches	75
Cutrone, Lorenza	
Heat shock factor 2 positively regulates oncogenic herpesvirus gene expression by remodeling the chromatin landscape	76
Danac, Joshua Miguel	
Two competing HUSH complexes orchestrate retroelement immunity	77
Dasarathan, Lokapriya	
Helicase-mediated regulation of yamanaka factor-G-quadruplex interactions in pluripotency and drug-tolerant persister cells	78
Demurtas, Martina	
Investigating the role of SALL4 in the development of cranial neural crest cells	79
Detleffsen, Jan	
PEAKQC: Periodicity evaluation in scATAC-seq data for quality assessment	80
Dimitrova, Emilia	
The PNUTS phosphatase complex controls transcription pause release	81
Dimond, Andrew	
Regulation of transcription factors during mitosis	82
Dossena, Carolina	
Enhancer rewiring orchestrates human regulatory T lymphocytes cell states in cancer	83

Doyle, Lucy		
Reduced H2AK119ub levels during early neurodevelopment sensitise the genome to ectopic transcription factor-mediated gene activation	84	
Dvoretzkova, Elena		
Dual role of the transcription factor Sp9 in mouse forebrain inhibitory neuron development	85	
Eischer, Nicole		
New insights into the molecular basis of ARID1B haploinsufficiency associated with the Coffin-Siris syndrome	86	
Ellmer, Victoria		
Differentially methylated sites in the two metabolic risk genes GCK and TM6SF2 overlap with G4 forming regulatory regions	87	
Engelhorn, Julia	Presenter: Carles, Cristel	
A plant specific cofactor of polycomb repressive complex 2 directly enhances its H3K27me3 activity for fine-tuned reproductive transitions	88	
Ercan, Erdem		
Unveiling the role of SS18L2 in epigenetic regulation of triple negative breast cancer	89	
Erichsen, Lars		
hTERT's splicing dilemma: methylation pulling the strings	90	
Fahim, Salma		
Investigating the impact of non-coding RNAs on Meis1 expression and function	91	
Fasouli, Eirini Sofia	Presenter: Katsantoni, Eleni	
STAT3 and STAT5 cross-talk in leukemic transformation	92	
Fernández Parejo, Natalia		
Deciphering the language of post-translational modification crosstalk in <i>S. cerevisiae</i>	93	

Fibi-Smetana, Silvia	
Evolutionary conserved non-coding element (CNE) characterization	94
Franklin, Matt	
Human satellite DNA encodes megabase-scale transcription factor binding platforms	95
Fu, Chengbo	Presenter: Cheng, Lu
k-mer Manifold Approximation and Projection for visualizing DNA sequences	96
Cancelled	97
Garcia, Alexis	
The genetic background modulates the proteome response to RPD3L complex genetic perturbations	98
Geller, Merle	
A polymerizing SAM domain and an intrinsically disordered region cooperate for full function of SAMD1 on chromatin	99
Giuliani, Sara	
Multimerisation of SALL proteins and its importance for transcription factor function	100
Gkountromichos, Fotios	
Probing the role of the roX lncRNA in chromosome binding in vivo	101
Gockel, Jonas	
Jumonji C demethylase 1 and 2: guardians of the euchromatin in the malaria parasite plasmodium falciparum	102
Goozee, Sonia	
Erythroid development hinges on enhancers thwarted by CpG methylation	103
Grbavac, Dora	
Competition for resources in transcription regulation	104

Greene, Jacob		
Dimethylation of Histone 3 lysine 27 marks cell identity by silencing DNA during replication		105
Grimm, Christina		
Long-read-transcriptome-sequencing of CLL and MDS patients reveals disease-specific SF3B1 isoforms		106
Gugnoni, Mila	Presenter: Vezzani, Rebecca	
Dissecting the lncRNA landscape of Malignant Pleural Mesothelioma		107
Gupta, Archica		
Testis-specific polymerase-associated factor 1 complex controls Y chromosome transcription and chromosomal condensation in Drosophila spermatogenesis		108
Güven, Gözde		
Functional epigenetic modulation of cardiac fibroblasts		109
Hains, Katie		
Investigating the mutagenicity of DNA methyltransferase-induced DNA damage		110
Hartl, Christopher	Presenter: Lin, Pei	
Emerging single-cell epigenetic platforms reveal cell-specific chromatin states and regulatory networks in adaptive immunity		111
Hauth, Antonia	Presenter: Loda, Agnese	
Escape from X inactivation is directly modulated by Xist RNA levels		112
Herchenröther, Andreas	Presenter: Diegmüller, Felix	
The H2A.Z and NuRD associated protein HMG20A controls early head and heart developmental transcription programs		113
Hintermann, Aurelie		
Evolutionary co-option of an ancestral cloacal regulatory landscape during the emergence of digits and genitals		114
Hipwell, Kelsey	Presenter: Hipwell, Kelsey	
Regulation of WAPL-mediated cohesin release		115

Hobein, Moritz	
NucleoDetective: comparative analysis of nucleosome positioning from ATAC-seq data	116
Hölzl, Fabian	
Time-resolved analysis of STAG2 depletion on chromatin organization and protein interaction in lymphoblast cells	117
Hsu, Chia-Ling	
The role of H3 lysine 4 methylation modulates the redox status of endoplasmic reticulum upon stress via activation of protein phosphatase 2A (PP2A)	118
Hu, Ruifeng	
Unravel the role of nucleic acid binding ability of the epigenetic regulator SMCHD1	119
Huber, Julia	
Detection and quantification of R-loop structures and DNA methylation in lung cancer cell lines	120
Iacovone, Marika	
The novel role of H2A.Z in RNA processing	121
Illingworth, Robert S.	
Passive yet essential, Polycomb repression in development and disease	122
Iqbal, Sajjad	
Differential impact of FUS on gene regulation during development	123
Isoler Alcaraz, Javier	
Addressing the role of the epigenetic regulator NSD2 in cellular plasticity	124
Ivanov, Nicole	Presenter: Sannak, Prathamesh
Investigating the genetic interaction between telomere repeat binding and basic pentacysteine class transcription factors in prc2 recruitment in plants	125

Jafari, Narges

The role of Tet3 oocyte specific isoform during preimplantation development 126

Jin, Wei

IT-scCUT&TAG: a scalable and cost-effective method for single-cell chromatin profiling 127

Jos, Sneha

Presenter: Kambaru, Archanalakshmi

Insights into Parkinson's Disease-specific α -Synuclein's role in chromatin regulation 128

Jozghorbani, Maryam

Targeting of epigenetic machinery in the progression of salivary gland adenoid cystic carcinoma as a basis for future therapeutic anticancer approach 129

Kan, Ying Hei

Characterizing the role of human endogenous retroviruses in totipotent-pluripotent transition 130

Kanketayeva, Zhansaya

A pre-apoptotic nuclear condensation is mediated by a redox-dependent mechanism in glucose deprived cancer cells 131

Kanwal, Madiha

Epigenetic silencing of MST1 by promoter methylation: a biomarker and therapeutic target in head and neck cancer 132

Karayol, Remzi

MSL2 regulates dynamic gene expression and cell-state transitions during human neurodevelopment 133

Kasliwal, Kritika

Roles and regulation of autism-associated chromatin modifier EHMT1 in human cortical neurogenesis 134

Kataruka, Shubhangini

H4K12ac mediated SINE activation is necessary for mammalian embryogenesis 135

Kaur, Upneet	
Auto-inhibition imposed by a large conformational switch of INO80 regulates nucleosome positioning	136
Kojima, Mina	
Identification of Nanog-interacting proteins to elucidate the molecular mechanisms that trigger zygotic genome activation	137
Konwar, Chaini	
Molecular patterns of blood DNA methylation with pediatric development	138
Köseoglu, Beyza	
The role of arginine methylation in modulating radiation response in glioblastoma	139
Kostos, Paxton	
Genetic and epigenetic features of rRNA gene arrays impact rRNA pools and chromosome organization	140
Koukouzeli, Fotini	
ARID1A and KDM6A/UTX regulate development in the adult murine urothelium and epidermis	141
Kumar, Praveen	
CGGBP1 from higher amniotes restricts cytosine methylation and drives a GC-bias in transcription factors binding sites at repressed promoters	142
Lahnsteiner, Angelika	
Deregulated alternative promoters in cancer are sites of G-quadruplex formation and differential DNA methylation	143
Lebron Mora, Laura	
Isl1 regulates chromatin dynamics to control pancreatic endocrine cell fate and maturation	144
Lecourveur, Nathan	
RNA profiling of nuclear micro-environments with high molecular crowding	145

Li, Jingyu		
The role of 3D genome organization in human spermatogenesis	146	
Lier, Silje	Presenter: Pandey, Deo Prakash	
CDK12/13 inhibition disrupts transcriptional elongation and replication fork progression critical for glioblastoma survival	147	
Lin, Chia-Yeh		
The role of epigenetic regulator RNF20 in maintaining adult skeletal muscle homeostasis	148	
Lin, Fu-Jung		
Early-life epigenetic modifications influence lifelong cardiovascular disease susceptibility	149	
Lin, Yi-Hsueh		
Role of histone N-terminal acetyltransferase Naa40 in gene regulation, sperm development and male fertility	150	
Liu, Yu-Hao		
The impacts of the histone lateral acetylations on chromatin accessibility and transcription	151	
Llombart, Victor		
MYC N-terminal acidic patches define a novel chromatin regulatory subdomain governing oncogenesis and transcription	152	
Luharia, Sachin		
Investigating 3D genome organisation in chemotherapy resistant colorectal cancer	153	
Ma, Jingchun	Presenter: Jin, Wei; Ma, Jingchun	
Dissecting immunosenescence in Hutchinson-Gilford progeria syndrome using IT-scATAC-seq	154	
Macchi, Filippo	Presenter: Sadler Edepli, Kirsten	
DNA methylation dependent and independent activities of Uhrf1 during zebrafish development	155	
Man, Joyce		
Uncovering the role of Polycomb group proteins during X-chromosome inactivation	156	

Mariani, Luca	
DNA bendability regulates transcription factor binding to nucleosomes	157
Mariner-Faulí, María	
Dual role of ZIC2 during neural induction: from pioneer-like transcription factor to enhancer activator	158
Masiulionyte, Bernadeta	
Utilization of halide methyltransferase for chemoenzymatic AdoMet cofactors synthesis	159
Masoura, Margarita	Presenter: Balasubramanian, Deevitha
Exploring the pleiotropy of developmental enhancers in Drosophila	160
Mathur, Vrinda	
Single nuclei multi-omic analysis of human trophoblast cell types during disease	161
Matthews, Rachael	
CRAMP1 drives linker histone expression to enable Polycomb repression	162
Mazzucchi, Sabrina	
Dynamics of R-loop accumulation and Interferon signaling in spinal muscular atrophy muscle cells	163
Mendes, Joel	
Deciphering epigenetic and cellular mechanisms in early diabetic retinopathy: a multi-omics approach	164
Miao, Liyun	
Pioneer factors Nanog, Oct4, and Sox19b regulate chromatin 3D architecture during genome activation and developmental reprogramming	165
Mitchell, Zoe	
CHD3 regulates BMP signalling response during cranial neural crest cell specification	166

Mouginot, Marion	Presenter: Gambetta, Maria Cristina	
Ultra-long-range gene regulation in fly neurons		167
Mungo, Chiara		
Nucleolar function and genome organization in cellular aging		168
Nagy, Gergely		
Lineage-determining transcription factor-driven promoters regulate cell type-specific macrophage gene expression		169
Narita, Takeo	Presenter: Kilic, Sinan	
A unified model of gene expression control by cohesin and ctcf		170
Navarro Cansino, Patricia		
Role of 3D genome folding in the TGFβ transcriptional response		171
Negri, Maria Luce		
The role of MLL4 in the chromatin framework: from the epigenome to 3D genome organization		172
Nemes, Kolos		
Decoding the chromatin landscape: enhancer differences in high- and low-grade neuroendocrine lung tumors		173
Nie, Junli		
Learning the B cell epigenetic landscape by convolutional neural networks		174
Nielsen, Mathias		
Deciphering chromatin context effects on RNA processing using thousands of integrated reporters		175
Ojha, Pranav		
EI-INTACT reveals neuron-specific transcriptional regulation of clock within the circadian network		176
Orlandi, Maria Luisa		
Transposon repression by KRAB-containing Zn finger proteins in induced pluripotent stem cell-derived myeloid cells		177

Ouvrard, Julien		
The contribution of lncRNAs to 3D chromatin hubs integrity in glioblastoma cancer stem cells		178
Pantier, Raphaël		
Unique and redundant functions of TET DNA de-methylases in stem cells and during cell fate transitions		179
Papanikolaou, Sofia		
SMC1A, a sex-biased chromatin modifier, acquires specific regulatory function in lupus shaping inflammatory pathways that promote autoimmunity		180
Patel, Mahima	Presenter: Patel, Mahima	
Structural insights into the control of 3D genome folding by reversible cohesin acetylation		181
Perry, Thomas Noé		
Oct1: a structural and functional characterization for its role in redox sensing and chromatin dynamics		182
Pintado-Urbanc, Andreas		
Acetyl-methyllysine marks chromatin during the mitosis-G1 phase transition		183
Pirogov, Sergei	Presenter: Mannervik, Mattias	
Catalytic and non-catalytic functions of p300/CBP in zygotic genome activation		184
Pirogov, Sergei		
Single-cell epigenetic landscapes through embryogenesis		185
Podh, Nitesh		
Single-molecule tracking reveals the dynamics of Ipl1 recruitment to the kinetochores and spindles in <i>S. cerevisiae</i>		186
Popay, Tessa		
Chromatin looping dynamics and transcriptional regulation		187
Poubel, Caroline		
Epigenetic patterns in regulatory elements of paediatric ALL in high vs low/middle-income countries		188

Raingeval, Mathieu	
Nucleolar CRISPR-GO a technology to dissect the role of the nucleolus in gene expression and chromatin states	189
Räsänen, Maritta	
Chromatin state origins of uterine leiomyoma	190
Rana, Paresh	
Investigating the mechanisms of epimutation establishment and stability	191
Riesle, Aileen	
Epigenetic mechanisms regulating monogenic expression of Olfactory Receptor genes	192
Rivera-López, Carlos	
Atypical histone H3 variants and the dynamics of adult pluripotent stem cells in the acoe Hofstenia miamia	193
Rossi, Francesca	
RNA-binding proteins ZFP36/ZFP36L1 regulate chromatin accessibility in CD8+ T-cells	194
Rueda Silva, Juan Carlos	
Replisome-histone interactions play a role in the transgenerational maintenance of large heterochromatic domains	195
Sarde, Liza	
Impaired stem cell migration and divisions in Duchenne Muscular Dystrophy revealed by live imaging	196
Schwaemmle, Hanna	
PHF6 regulates SWI/SNF chromatin remodeling activity in neurodevelopmental disorders	197
Segert, Julian	
Histone H4 lysine 20 monomethylation is not a mark of transcriptional silencers	198
Cancelled	199

Seneviratne, Janith

Presenter: Eckersley-Maslin, Melanie

Embryonic stem cell factors DPPA2/4 facilitate a H3K4me3-H2AK119Ub chromatin state in non-small cell lung cancer 200

Sethumadhavan, Devadathan

The TAZ2 domain of CBP/p300 regulates H3K27 acetylation on chromatin 201

Shah, Syed Zawar

Oct1: a structural and functional characterization for its role in redox sensing and chromatin dynamics 202

Shahidian, Lara

MLL2 facilitates LINE1-mediated gene regulation 203

Shen, Sam

Interpretable neural network facilitated ab initio derivation of biological formula governing transcriptional regulation 204

Sherrard, Alice

Presenter: Giraldez, Antonio J.

Chromgem reveals ultrastructural changes in chromatin during development and differentiation after fertilization 205

Shobhawat, Rahul

Regulation of nucleosome dynamics by positive cofactor 4: a mechanistic perspective 206

Smith, Alastair

Enhancer heterogeneity drives differential gene expression in leukemia 207

Sotiriou, Afroditi

The BAF complex is dispensable for gene activation in synovial sarcoma 208

Sundaramoorthy, Ramasubramanian

Presenter: Owen-Hughes, Tom

ATP-dependent changes in remodeler nucleosome interactions 209

Taghizada, Bakhtiyar	
Ubiquitylated H2A.Z is associated with diverse types of silenced chromatin including methylated CpG islands and homopurine/homopyrimidine sequences	210
Tillotson, Rebekah	
Capturing the full spectrum of ATR-X syndrome with three exemplar mutations	211
Tomar, Kripi	Presenter: Mueller-Planitz, Felix
ISWI and CHD1 remodelers redundantly prepare the nucleosome landscape for efficient transcription	212
Topolcsányi, Petronella	
Identifying epigenetic differences in SCLC cell populations using ATAC-seq	213
Torres, Eduardo	
Chromatin assembly factor 1 is required for normal heterochromatin structure and gene silencing at PRC2 targeted regions	214
Tria, Giada	
Deciphering the epigenetic regulation of hybrid EMT States in triple-negative breast cancer	215
Tüchler, Johannes	
A novel machine learning framework for optimized prediction of cardiac regulatory element activity	216
Turpin, Marion	
Characterizing the chromatin state of target regions for the p53 transcription factor across mammals	217
Ullrich, Anna-Lena	
Characterization of salmonella-induced transcriptional and epigenetic modifications in the neonatal intestinal epithelium	218
Unlu Bektas, Firuze	
Investigating MBD5 and its contribution to PR-DUB complex function in the developing brain	219

Venetikidou, Maria		
Metabolic wiring of pancreatic progenitors determines β-cell functionality by impacting on epigenetics and gene expression	220	
Verdikt, Roxane		
Nuclear glutamate metabolism links DNA methylation and pluripotency programs in stem cells	221	
Vinson, David		
Exploring roles for activity-dependent H3 Gln 5 serotonylation and its interactions with DNMT3A in gene expression regulation	222	
Walavalkar, Kaivalya		
Single-cell dynamics of genome-nucleolus interactions	223	
Wang, Qiuyan		
Maternal factor OTX2 regulates the initiation of human embryonic genome activation and early development	224	
Weekley, Benjamin		
Bidirectional histone monoaminylation dynamics regulate neural rhythmicity	225	
Wendt, Kerstin	Presenter: Corazza, Francesco	
Exploring the NIPBL-MAU2 interactome: new perspectives on chromatin landscape and gene regulation	226	
Wiech, Anaïs		
Exploring chromatin dynamics during varicella-zoster virus infection	227	
Wu, Lillian		
Centromere proteins bind gene regulatory regions along chromosome arms and influence transcription	228	
Xiao, Tianyi		
The pioneer transcription factor ELF2 remodels the nucleosome near transcription start sites	229	
Xu, Qianhua	Presenter: Huang, Chunyi	
H2A.Z is essential for oocyte maturation and female fertility in mouse	230	

Yap, Rochelle	
The role of RTT109 in facultative heterochromatin assembly and polycomb repression	231
Yasmin, Komal	
Why did nature choose Dnmt3b? Uncovering the novelty behind CpG island methylation in X inactivation	232
Yildiz, Can	
EphrinA5 regulates DNA methylation and gene expression by Snhg15-mediated DNMT1 targeting	233
Z. Aeberhard, Marina	Presenter: Vieitez, Cristina
Cracking the histone code in <i>S. cerevisiae</i>	234
Zhao, Yuling	
Active role of histone acetylation in chromatin compartmentalization	235
Zulfqar, Faiqa	
Role of histone post translational modification in energy generation during stress	236