Ahel, Josip Chromatin remodeling activity of ChAHP-associated CHD4 is required to repress SINE B2 elements	
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, AbdouPresenter: Nicholson, BenA dual histone code specifies the binding of heterochromatin proteinRhino 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
Cancelled	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
Cancelled	59
Beno, Alexandra Exploring enhancer landscape alterations from fetal lung to lung cancers	
Bersaglieri, Cristiana	60
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	
Unity into	62

Bowden, Sarah Foxi1 regulates the establishment of early chromatin for ectodermal development and mucociliary progenitors in Xenopus	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 HawPresenter: Timmers, MarcTGF-β activated transcription is controlled by a MLL4-JUNBfeed-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 lin 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	
Dvoretskova, Elena Dual role of the transcription factor Sp9 in mouse forebrain inhibitory neuron development	
Eischer, Nicole New insights into the molecular basis of ARID1B haploinsufficiency associated with the Coffin-Siris syndrome	
Ellmer, Victoria Differentially methylated sites in the two metabolic risk genes GCK and TM6SF2 overlap with G4 forming regulatory regions	
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 SS18L2, a novel epigenetic regulator of Triple-Negative Breast Cancer cell cycle progression	
Erichsen, Lars hTERT's splicing dilemma: methylation pulling the strings	
Fahim, Salma Investigating the impact of non-coding RNAs on Meis1 expression and function	
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 S. cerevisiae	93

EMBL Conference: Chromatin and epigenetics	
Fibi-Smetana, Silvia Evolutionary conserved non-coding element (CNE) characterization	
Franklin, Matt Human satellite DNA encodes megabase-scale transcription factor binding platforms	
Fu, Chengbo Presenter: Cheng, Lu k-mer Manifold Approximation and Projection for visualizing DNA sequences	96
Gallego, Laura D. Ubiquitination condensates shape gene architecture and function	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 IncRNA 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	
Grimm, Christina Long-read-transcriptome-sequencing of CLL and MDS patients reveals disease-specific SF3B1 isoforms	106
Gugnoni, Mila Presenter: Vezzani, Rebecca Dissecting the IncRNA 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	
Hölzl, Fabian Time-resolved analysis of STAG2 depletion on chromatin organization and protein interaction in lymphoblast cells	
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	
Huber, Julia Detection and quantification of R-loop structures and DNA methylation in lung cancer cell lines	
lacovone, Marika The novel role of H2A.Z in RNA processing	121
Illingworth, Robert S. Passive yet essential, Polycomb repression in development and disease	
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 preimplantatio development	n 126
Jin, Wei IT-scCUT&TAG: a scalable and cost-effective method for singl chromatin profiling	e-cell 127
Jos, Sneha Presenter: Kambaru, Arc	hanalakshmi
Insights into Parkinson's Disease-specific α -Synuclein's role i chromatin regulation	n 128
Jozghorbani, Maryam Targeting of epigenetic machinery in the progression of saliva gland adenoid cystic carcinoma as a basis for future therapeu anticancer approach	
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 s
Cancelled	132
Karayol, Remzi MSL2 regulates dynamic gene expression and cell-state trans during human neurodevelopment	itions 133
Cancelled	101
Kataruka, Shubhangini H4K12ac mediated SINE activation is necessary for mammalia embryogenesis	134 an
	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 Koukouzeli, Fotini ARID1A and KDM6A/UTX regulate development in the adult murine urothelium and epidermis	140
	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 IsI1 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	
Lier, Silje Presenter: Pandey, Deo Prakash CDK12/13 inhibition disrupts transcriptional elongation and replication fork progression critical for glioblastoma survival	
Lin, Chia-Yeh The role of epigenetic regulator RNF20 in maintaining adult skeletal muscle homeostasis	
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	
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-lik transcription factor to enhancer activator	(e 158
Masiulionyte, Bernadeta Utilization of halide methyltransferase for chemoenzymati cofactors synthesis	ic AdoMet 159
Masoura, Margarita Presenter: Balasubra	amanian, Deevitha
Exploring the pleiotropy of developmental enhancers in D	rosophila 160
Mathur, Vrinda Single nuclei multi-omic analysis of human trophoblast co during disease	ell types 161
Matthews, Rachael CRAMP1 drives linker histone expression to enable Polyc repression	: omb 162
Mazzucchi, Sabrina Dynamics of R-loop accumulation and Interferon signaling muscular atrophy muscle cells	g in spinal 163
Mendes, Joel Deciphering epigenetic and cellular mechanisms in early retinopathy: a multi-omics approach	diabetic 164
Cancelled	165
Mitchell, Zoe CHD3 regulates BMP signalling response during cranial n crest cell specification	leural 166

Cancelled	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 t 3D genome organization	o 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
Cancelled	175
Cancelled	176
Orlandi, Maria Luisa	176
Transposon repression by KRAB-containing Zn finger proteins in induced pluripotent stem cell-derived myeloid cells	177

Ouvrard, Julien The contribution of IncRNAs 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 IpI1 recruitment to the kinetochores and spindles in S. cerevisiae	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
Räisänen, 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 acoel 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
Senft, Anna Dorothea The ancient DUF3669 domain KRAB zinc finger protein ZNF777 acts as an essential non-canonical developmental repressor	199

Seneviratne, Janith	Presenter: Eckersley-Maslin, Mela	anie
Embryonic stem cell factors DPPA2 H3K4me3-H2AK119Ub chromatin st		200
Sethumadhavan, Devadathan The TAZ2 domain of CBP/p300 regu chromatin	lates H3K27 acetylation on	201
Shah, Syed Zawar Oct1: a structural and functional cha sensing and chromatin dynamics	aracterization for its role in redox	202
Shahidian, Lara MLL2 facilitates LINE1-mediated gen	ne regulation	203
Shen, Sam Interpretable neural network facilita biological formula governing transc		204
Sherrard, Alice Chromgem reveals ultrastructural c development and differentiation afte		205
Cancelled		206
Smith, Alastair Enhancer heterogeneity drives diffe leukemia	erential gene expression in	207
Sotiriou, Afroditi The BAF complex is dispensable fo synovial sarcoma	r gene activation in	208
Sundaramoorthy, Ramasubramanian ATP-dependent changes in remodel		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, KripiPresenter: Mueller-Planitz, FelixISWI and CHD1 remodelers redundantly prepare the nucleosomelandscape 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 GIn 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, KerstinPresenter: Corazza, FrancescoExploring 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, QianhuaPresenter: Huang, ChunyiH2A.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	
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 S. cerevisiae	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