PROGRAM

MONDAY, May 9-7:00 PM

Welcome Remarks

SESSION 1	OPENING SESSION / KEYNOTE SPEAKERS	
Chairperson:	Yang Shi, Children's Hospital, Harvard Medical School Boston, Massachusetts, USA	ol,
transcriptional o	dies of the cooperative functions of co-activators on recombinant chromatin templates r [35'] on: The Rockefeller University, New York, New York.	1
Julianna Bozler, I	nal inheritance of behavior in <i>Drosophila</i> Balint Z. Kacsoh, Giovanni Bosco [10'] on: Geisel School of Medicine at Dartmouth College, ampshire.	2
Danny Reinberg	ne genome, multiple phenotypes [35'] on: HHMI at NYU School of Medicine, New York, New	3
	TUESDAY, May 10—9:00 AM	
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Chairperson:	Genevieve Almouzni, Institut Curie, Paris, France	
Genevieve Almou	atin in the nucleus, the bricks and the architects <u>uzni</u> [20'] on: Institut Curie, Paris, France.	4

Replication protein A interacts with histone H3-H4 and couples DNA replication with nucleosome assembly Shaofeng Liu, Zhiyun Xu, He Leng, Pu Zheng, Jiayi Yang, Jingyang Wang, Jianxun Feng, Kaifu Chen, Qing Li [10'] Presenter affiliation: State Key Laboratory of Protein and Plant Gene	
Researchand Peking-Tsinghua Center for Life Sciences, Beijing, China.	5
Transcriptional regulators compete with nucleosomes post-replication	
Srinivas Ramachandran, <u>Steven Henikoff</u> [20'] Presenter affiliation: Howard Hughes Medical Institute and Fred Hutchinson Cancer Research Center, Seattle, Washington.	6
Differential expression of the genes encoding histone H3.3 reveals a novel epigenetic pathway related to cancer Jakub Mieczkowski, Sihem Cheloufi, Aimee Deaton, Konrad Hochedlinger, Michael Tolstorukov [10'] Presenter affiliation: Massachusetts General Hospital, Boston, Massachusetts.	7
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The PBAF chromatin remodelling complex and maintenance of genome stability Cornelia Meisenberg, Peter M. Brownlee, Penny A. Jeggo, <u>Jessica A. Downs</u> [20'] Presenter affiliation: University of Sussex, Falmer, United Kingdom.	8
The NuA4/TIP60 complex regulates bivalent chromatin recognition by 53BP1 through direct H4K20me binding and H2AK15 acetylation	
Karine Jacquet, Amelie Fradet-Turcotte, Nikita Avvakumov, Jean-Philippe Lambert, Celine Roques, Raj K. Pandita, Eric Paquet, Pauline Herst, Anne-Claude Gingras, Tej K. Pandita, Gaelle Legube, Yannick Doyon, Daniel Durocher, <u>Jacques Côté</u> [10'] Presenter affiliation: Laval University, Quebec City, Canada.	9
Structure and dynamics of the 30-nm chromatin fiber in gene regulation Guohong Li [20]	
Presenter affiliation: Institute of Biophysics, Chinese Academy of Sciences, Beijing, China.	10

Suppression of enhancer overactivation by a RACK7-histone demethylase complex Hongjie Shen, Wenqi Xu, Rui Guo, Bowen Rong, Lei Gu, Zhentian Wang, Chenxi He, Yujiang G. Shi, Yang Shi, Fei Lan [10'] Presenter affiliation: Fudan University, Shanghai, China.	11
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The NIH Common Fund "4D Nucleome" Program Olivier C. Blondel Presenter affiliation: National Institutes of Health (NIH), Bethesda, Maryland.	13
Pontin functions as an essential coactivator for Oct4-dependent LincRNA expression in mouse embryonic stem cells Kyungjin Boo, Joomyung Kim, Sung Hee Baek Presenter affiliation: Creative Research Initiative Center for Chromatin Dynamics, Seoul, Korea.	14
Epigenetic reprogramming of the plant paternal genome Michael Borg, Frederic Berger Presenter affiliation: Gregor Mendel Institute, Vienna, Austria.	15
Developmentally regulated chromatin loops in the <i>Drosophila</i> Hox gene complexes Zhibo Ma, Mo Li, Matthew Romine, <u>Haini N. Cai</u> Presenter affiliation: University of Georgia, Athens, Georgia.	16
Tet proteins cooperate with lineage specific transcription factors in regulating chromatin accessibility Xing Chang, Jiayuan Zhang, Jerry Lio, Anjana Rao Presenter affiliation: Shanghai Institute for Biological Sciences, Shanghai, China.	17

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Presenter affiliation: Nanjing Agricultural University, Nanjing, China.	72
DNA methylation and super enhancer Hongbo Liu, Yan Zhang Presenter affiliation: Harbin Medical University, Harbin, China.	73
Suppressing the novel long noncoding RNA RP1X leads to Myc protein destabilization and tumour eradication Andrew Tee, Pei Y. Liu, Bernard Atmadibrata, Jo Vandesompele, Marcel E. Dinger, Pieter Mestdagh, <u>Tao Liu</u> Presenter affiliation: Children's Cancer Institute Australia, Sydney,	7.
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Presenter affiliation: Tsinghua University, Beijing, China.	80

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Chinese Tea and Beer Tasting

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Presenter affiliation: Waseda University, Tokyo, Japan. 89

Molecular coupling of histone crotonylation and transcription activation by AF9 YEATS domain

Haitao Li [10']

Presenter affiliation: Tsinghua University, Beijing, China. 90

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Presenter affiliation: Division of Epigenomics and Development, Fukuoka, Japan.	95
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Presenter affiliation: Shanghai Institute of Rheumatology, Renji Hospital, Shanghai, China.	100
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Presenter affiliation: NYU Abu Dhabi, Abu Dhabi, United Arab Emirates; Icahn School of Medicine at Mount Sinai, New York, New York.	101
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Asymmetrically modified nucleosomes poise gene activation/repression in yeast

Zhen Zhou, Yu-Ting Liu, Ting Gong, Hong-Tao Li, Chen Cai, Jin-Qiu Zhou [10']

Presenter affiliation: Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences, Shanghai, China; School of Life Science and Technology, Shanghai Tech University, Shanghai, China. 166

Increased DNA methylation at recombination valley in human regulatory domains

Yaping Liu, Abhishek Sarkar, Manolis Kellis [10']
Presenter affiliation: Massachusetts Institute of Technology,
Cambridge, Massachusetts; Broad Institute, Cambridge,
Massachusetts

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Actin modification links nuclear actin to transcription and diseases

<u>Xuetong (Snow) Shen</u>, Prabodh Kapoor [10'] Presenter affiliation: MD Anderson Cancer Center, Smithville, Texas. 168

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THURSDAY, May 12—9:00 AM

SESSION 8 CHROMATIN MODIFICATIONS

Chairperson: Or Gozani, Stanford University, Stanford, California

EZH2 is a potential therapeutic target for H3K27M mutant pediatric gliomas

Kristian Helin [20']

Presenter affiliation: University of Copenhagen, Copenhagen,

Denmark. 169

Expanding the substrate scope of the JmjC histone demethylases Louise J. Walport, Richard J. Hopkinson, Rasheduzzaman Chowdhury, Rachel Shiller, Wei Ge, Akane Kawamura, Christopher J. Schofield [10']	
Presenter affiliation: University of Oxford, Oxford, United Kingdom.	170
New roles for lysine methylation signaling in epigenetic and disease regulation Or Gozani [20']	
Presenter affiliation: Stanford University, Stanford, California.	171
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Presenter affiliation: China Novartis Institutes for BioMedical Research, Shanghai, China.	172
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Polycomb—Molecular basis of targeting and inheritance Jürg Müller [20']	
Presenter affiliation: Max-Planck Institute of Biochemistry, Martinsried, Germany.	173
Canonical Wnt signalling regulates nuclear export of the lysine methyltransferase Setdb1 during skeletal muscle terminal differentiation	
Sophie Beyer, Julien Pontis, Elija Schirwis, Fabien Le Grand, Slimane Ait-Si-Ali [10']	
Presenter affiliation: Centre National de la Recherche Scientifique CNRS - Université Paris Diderot, Sorbonne Paris Cité, Paris, France.	174
Transcriptional complexity in stem cells and cancer <u>Luciano Di Croce</u> [20']	
Presenter affiliation: CRG - Center for Genomic Regulation, Barcelona, Spain; ICREA, Barcelona, Spain.	175
Epigenetic and post-translational regulations of hypoxia- mediated gene transcription	
Han-Tsang Wu, Yi-Chih Kuo, <u>Kou-Juey Wu</u> [10'] Presenter affiliation: China Medical University, Taichung, Taiwan.	176

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SESSION 9	CHROMATIN FUNCTION	
Chairperson:	Hiroyuki Sasaki, Kyushu University, Fukuoka, Japan	
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Mechanism of enhancer silencing induced by C/EBPα during B cell transdifferentiation into macrophages Chris van Oevelen, Thomas Graf [10'] Presenter affiliation: Centre for Genomic Regulation, Barcelona, Spain.		
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development Yi Zhang [20'] Presenter affiliati Hospital, Boston,	on: Harvard Medical School and Boston Children's Massachusetts.	181
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The regulation and target gene recruitment of TET DNA dioxygenases Yue Xiong [20']	
Presenter affiliation: University of North Carolina at Chapel Hill, Chapel Hill, North Carolina; Fudan University, Shanghai, China.	182
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Presenter affiliation: Kyushu University, Fukuoka, Japan.	183
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Justin J. Wong, Dadi Gao, Trung Nguyen, William Ritchie, John Rasko [10'] Presenter affiliation: Centenary Institute, Camperdown, Australia; Sydney Medical School, Camperdown, Australia.	185
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Presenter affiliation: Harvard Medical School and Massachusetts General Hospital, Charlestown, Massachusetts.	186

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COCKTAILS and BANQUET

FRIDAY, May 13-9:00 AM

SESSION 10	CLOSING SESSION / KEYNOTE SPEAKER	
Chairperson:	Bing Zhu, Institute of Biophysics, Chinese Academy of Sciences, Beijing, China	of
Mei-Sheng Lau, S April Cook, Aimee Kingston [35'] Presenter affiliation	cleosome accessibility during regulation charmistha Kundu, Britta Mueller, Jakub Mieczkowski, e Deaton, Sarah Bowman, Michael Tolstorukov, <u>Bob</u> on: Massachusetts General Hospital, Boston, larvard Medical School, Boston, Massachusetts.	187
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The evolution of in mammals Jiang Liu [10']	DNA methylation inheritance and programming on: Beijing Institute of Genomics, Beijing, China.	191
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