

Poster session 1, Monday October 7, 17:00-19:00

- 001 Alexandre Erkine**, Nucleosome detergents and histone chaperoning
- 002 Alonso J Parda**, Chromatin proteomics: minutely follow-up of histone chaperoning complexes
- 003 BALASUBRAMANI G L**, Drug repurposing approach to target DNA gyrase from *Mycobacterium tuberculosis*
- 004 Kou-Juey Wu**, Enrichment of nuclear N6-deoxyadenine methylation under hypoxia dictates nucleosome deposition and regulates gene expression
- 005 Shu-Chun Teng**, SMYD3-Mediated H2A.Z Methylation prevents binding to the Chaperone ANP32E and Promotes Cell Cycle and Cancer Proliferation
- 006 JiaLing SHEN**, Histone Chaperone FACT complex mediates oxidative stress response to promote liver cancer progression
- 007 Pascal BERNARD**, Interplays between nucleosomes, the histone chaperone FACT and condensing shape mitotic chromosomes
- 008 Carol Cho**, 3.5A Cryo-EM structure of the Abo1 AAA+ histone chaperone
- 009 Ann L. Kirchmaier**, A CAF-1-Mediated Replication-Coupled Chromatin Assembly Pathway Prevents Inappropriate Silent Chromatin Formation via Promoting Histone Acetylation
- 010 Christopher Smith**, The Role of FACT during Parental Nucleosome Inheritance
- 011 Arunkumar Ganesan**, Oncogenic lncRNAs drive histone variant mislocalization in cancer cells
- 012 William Scott**, Elucidating the ATRX Interactome: Exploring its Roles at Telomeres & in Cancer
- 013 Lin Xiao**, Chromatin destabilization by CBL0137 and panobinostat leads to robust interferon response and disease regression in high-risk childhood cancer models
- 014 Dominique Ray-Gallet**, Functional activity of the H3.3 histone chaperone complex HIRA requires trimerization of the HIRA subunit
- 015 Andrew Bowman**, Cytosolic tether-and-release as a pulse-chase tool for probing histone dynamics
- 016 Colin Hammond**, Characterisation of a novel histone chaperone linked to quality control of histone fold dimers
- 017 Gernot Längst**, Targeting nc-RNA to chromatin – nucleosomes stabilize the formation of triple helices
- 018 Shweta Mendiratta**, Investigating the role of histone chaperone ASF1 in cell cycle-dependent transcriptional regulation of histone genes in mammals
- 019 Imke K. Mandemaker**, Molecular mechanisms underlying chromatin incorporation of macroH2A
- 020 Massimo Carraro**, Proteomics and network analysis of histone chaperones cooperation in histone metabolism
- 021 Sara Shahnejat-Bushehri**, Regulation of centromere function in *Saccharomyces cerevisiae* by the ATAD2 homolog Yta7

- 022 Stephanie Tran**, Characterizing Primordial Dwarfism Associated Mutations and their Effects on the CMG Helicase
- 023 Ifetayo Ajayi**, Phytochemical Screening of Tetrapleura Tetraptera and the Effect of its Dietary Inclusion on Expression of Some Neurodegeneration-related Oxidative Stress Genes in Drosophila Melanogaster
- 025 Celia Jeronimo**, Transcribed chromatin, rather than RNA polymerase II itself, recruits FACT to active genes
- 026 Ed Luk**, The molecular basis of DEF/Y—a histone binding motif—in ATP-dependent H2A.Z deposition
- 027 Amit Lalwani**, Inhibition of FACT disrupts the transcriptional activity of MYCN in neuroblastoma
- 028 Harald Wodrich**, Functional chromatin extraction and single genome imaging reveals chromatin dynamics of incoming adenoviral genomes
- 029 Pei-Shang Wu**, Deletion of the budding yeast HMGB protein Nhp6 restore generation of damage induced cohesion in Pol η -deficient cells
- 030 Nithya Ramakrishnan**, Computational Analysis of Histone Post-translational Modification Pairs and their Influence on Genes
- 031 Minh Bul**, Deregulation of Histone H1 Modifications in Cancer Cells
- 032 Laura Bryant**, Mutations in the Chaperone Binding Site of Histone H3.3 Causes a Novel Neurodevelopmental Syndrome in Children
- 033 Francesca Mattioli**, Mechanism of nucleosome assembly during DNA replication
- 034 Debasree Dutta**, Histone chaperone APLF in regulation of EMT involved in development and disease
- 035 Clément Rouillon**, Mechanism of CAF-1-dependent nucleosome assembly during DNA replication
- 036 Ruben Rosas Ospina**, Structural Mechanism of DNA Binding by CAF-1
- 038 Ivan Corbeski**, A chaperone that assembles the histone octamer for nucleosome assembly

Poster session 2, Tuesday October 8, 17:00-19:00

- 039 Olga Vlasova**, FACT localization in cell nuclei under influence of minor groove binding ligands and natural DNA-binding polyphenols
- 040 Lee Wong**, Roles of ATRX and histone H3.3 in driving the ALternative Lengthening of Telomeres Pathway in cancers
- 042 Sambit Dalui**, Biophysical and Biochemical characterisation of Testis-specific Y-encoded-like protein 5: new participants of the NAP Histone chaperone family
- 043 Giulia Saredi**, H4K20me0 primes post-replicative chromatin for error-free DNA repair via recruitment of homologous recombination factors
- 044 Wencong Cui, Thomas Sternsdorf**, Identification of novel Interactors of the H3.3 Histone Chaperone subunit Daxx using Proximity-mediated biotin identification

(BioID), reveals unexpected crosstalk between seemingly different epigenetic processes

- 045 For Fan Chan**, Dereglulation of histone chaperone CAF-1 in liver cancer
- 047 Timur Fetisov**, Natural polyphenols as DNA-dependent inhibitors of PARP1 in terms to cancer prevention
- 048 Teresa Spósito**, Histone replacement in cancer: dissecting the role of H3.3 chaperone DAXX in pancreatic tumorigenesis
- 049 Rhiannon Aguilar**, Structure and mechanism of CAF-1, a replication-dependent H3/H4 chaperone
- 050 Teresa Carlomagno**, Histone chaperone exploits intrinsic disorder to switch acetylation specificity
- 051 Ina Theofel**, The role of the histone chaperone Nap1/1 in chromatin reorganisation in mammalian development
- 052 Alejandra Loyola**, Unveiling the molecular mechanisms of newly synthesized histone H3 maturation
- 053 Laura Prendergast**, Histone chaperone FACT is essential to overcome replication stress in mammalian cells
- 054 Jan Postberg**, Dissecting the role of histone chaperones during 27nt-RNA guided histone variant deposition via 'RNA-induced DNA replication interference' in Stylonychia
- 055 Rinky Rajput**, Drug repurposing approach to target nucleoid-associated protein HU in Mycobacterium tuberculosis: Insights from Computational and Biophysical Studies
- 056 Anton Pembaur**, On the selectivity of histone chaperones in the differential transnuclear trafficking of histone variants and their relevance for programmed chromatin elimination in Stylonychia
- 057 Ji-Joon Song**, Structural and molecular basis of histone H3/H4 deposition by AAA+ ATPase
- 060 Duygu Yilmaz**, Centromeric chromatin permits Double Strand Break repair by homologous recombination in G1
- 061 Fred Winston**, Factors that Control Transcriptional Accuracy, Chromatin Integrity, and Genome Stability
- 062 Patrick Philipp Weil**, The pathophysiological relevance of abnormal expression of tissue-specific histone variants and deviants in the course of tumor progression and their interaction with histone chaperones
- 064 Barbara Safaric**, Single molecule FRET reveals nucleosome rearrangements upon FACT engagement
- 065 Marianna Yakubovskaya**, DNA-dependent effects of natural polyphenols with anticancer activity
- 066 Faith Fowler**, Assembly of Nucleosomes onto Single-Stranded DNA Occurs During Homologous Recombination and is Required for DNA Repair

- 067 Hilary Brewis**, What makes a histone variant: determination of amino acids that confer to H2A.Z's unique functions
- 069 Steven Josefowicz**, Phosphorylation of the ancestral histone variant H3.3 amplifies stimulation-induced transcription
- 071 Martina Dvorackova**, NAP- deletion suppresses fas1 mutant phenotype and enhances genome stability
- 073 Martina Nešpor Dadejová**, CAF1 Deficiency is Suppressed by Deletion of NAP1 Genes in Arabidopsis Thaliana
- 074 Kirill Kirsanov**, Histone Methylation and Acetylation as the Epigenetic Basis of Natural Polyphenol Activity
- 075 Varvara Maksimova**, Epigenetic reactivation of transcription by carcinogens, pesticides and organic solvents
- 077 Anna Fortuny González**, Heterochromatin maintenance following UVC damage
- 080 Clare Jelinska**, Structure and Mechanisms of the ATRX/DAXX Tumor Suppressor Complex
- 081 Ed Luk**, Thermosensitive nucleosome editing reveals the role of DNA sequence in targeted histone variant deposition