Scientific Program

4th International Congress on

EPIGENETICS & CHROMATIN

September 03-05, 2018

London, UK
DAY-1
September 03, 2018
Meeting Hall: Bleriot 1

09:00-09:30 Registrations

Opening Ceremony

KEYNOTE FORUM

09:55-10:00 Introduction

10:00-10:40
   **Title:** DNA analogues for CRISPER/CAS fidelity and exon skipping  
   **Marvin H Caruthers,** University of Colorado, USA

10:40-11:20
   **Title:** Maternal exposure to environmental particles leads to transgenerational epigenetic transmission of asthma risk  
   **Alexey V Fedulov,** Alpert School of Medicine of Brown University - Rhode Island Hospital, USA

   Group Photo, Networking & Refreshments 11:20-11:50 @ Foyer

11:50-12:15
   **Title:** ChIPmentation: An innovative technology for fast and high quality ChIP-seq  
   **Anne Clémence Veillard,** Diagenode, Belgium

   Sessions: Epigenetics | Cancer Epigenetics | DNA Methylation

   **Chair:** Michelle M. Hanna, Ribomed Biotechnologies, USA  
   **Co-Chair:** Charles De Smet, De Duve Institute - University of Louvain, Belgium

INTRODUCTION

12:15-12:40
   **Title:** Evaluating drug-chromatin interactions using novel methods for target engagement studies  
   **Marta Rucka,** Promega, UK

12:40-13:05
   **Title:** Targeting a lncRNA – epigenetic factor complex to inhibit colon cancer metabolism  
   **Maria Hatziapostolou,** Nottingham Trent University, UK

   Lunch Break 13:05-14:05 @ Hotel Restaurants

14:05-14:30
   **Title:** Epigenetic regulation of leukemia  
   **Andreas Lennartsson,** Karolinska Institute, Sweden

14:30-14:55
   **Title:** Methylation pattern switch between low and high grade cervical intraepithelial neoplasia: implications for progression models, robust triage and cancer risk  
   **Belinda Nedjai,** Barts and the London School of Medicine and Dentistry - Queen Mary University, UK
14:55-15:20  **Special Session** | **Title:** The genetics of common diseases  
Kari Stefansson, deCODE Genetics, Iceland

15:20-15:45  **Title:** Generation of long acting therapies using glycosylated linkers  
Abdulrahman Alshehri, University of Sheffield, UK

15:45-16:10  **Title:** Synergistic pharmacology: targeting two epigenetic enzyme targets in a protein complex  
Sriram Raja Gopal, Jubilant Drug Discovery and Development Center, India

Networking & Refreshments 16:10-16:30 @ Foyer

16:30-16:55  **Title:** Alterations of DNA methylation seem to be an early event in the development of tumors from the upper aerodigestive tract  
Sheila Coelho Soares Lima, Brazilian National Cancer Institute, Brazil

16:55-17:20  **Title:** Robust joint statistical tests for DNA methylation data  
Xiaogang Steven Wang, York University, Canada

17:20-17:45  **Title:** Role of DNA methylation in sperm nuclear-encoded of oxidative phosphorylation pathway regulation and embryo development  
Mahmoud Hashemitabar, Ahvaz Jundishapur University of Medical Sciences, Iran

Panel Discussion

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**DAY-2**

September 04, 2018  
Meeting Hall: Bleriot 1

**KEYNOTE FORUM**

10:05-10:45  **Title:** Simultaneous measurement of MGMT methylation and determination of IDH1 R132H and CpG Island Methylator Phenotype (CIMP) in Gliomas using Coupled Abscription PCR Signaling (CAPS)  
Michelle M. Hanna, Ribomed Biotechnologies, USA

10:45-11:25  **Title:** The histone H3K79 methyltransferase DOT1L regulates gene transcription and promotes neuroblastoma tumorigenesis  
Tao Liu, Histone Modification Group Children’s Cancer Institute, Australia

Networking & Refreshments 11:25 -11:45 @ Foyer

11:45-12:05  **Title:** Identification of DNA methylation of distal regulatory regions with causal effect on tumorigenesis  
Jiangwen Zhang, University of Hong Kong, Hong Kong
Sessions: Epigenetics | Chromatin

Chair: Marvin H Caruthers, University of Colorado, USA
Co-Chair: Xiaogang Steven Wang, York University, Canada

INTRODUCTION

12:25-12:50  
**Title:** The centenarian epigenome: DNA methylation and chromatin formation of the oldest old  
Danielle Gutman, University of Haifa, Israel

12:50-13:15  
**Title:** Activation of epigenetics pass way for improving traits in different cultivars  
Avner Shenfeld, Epigenetics Ltd, Israel

Lunch Break 13:15-14:15 @ Hotel Restaurants

14:15-14:40  
**Title:** Epigenetic editing in the promoter of CXCL11 gene  
Alexey V. Fedulov, Brown University, USA

14:40-15:05  
**Title:** Transcriptional regulation by histone modifications using yeast model  
Jung Shin Lee, Kangwon National University, South Korea

POSTER PRESENTATIONS 15:05-16:05

Poster Judge: Charles De Smet, De Duve Institute - University of Louvain, Belgium

EC01  
**Title:** Valproic acid effects on DNA methylation during the cell cycle of HeLa cells  
Marina Amorim Rocha, University of Campinas, Brazil

EC02  
**Title:** Writing about epigenetics for allied health professionals in gerontology  
Celia Mary Ross, Delaware Gerontology Institute, LLC, USA

EC03  
**Title:** Role of DNA methylation in resistance to platinum-based chemotherapy in ovarian cancer cells  
Marcela Chmelarova, University Hospital Hradec Kralove, Czech Republic

EC04  
**Title:** Heterogeneity, phenotypic and genotypic instability of the primary tumor and its metastasis  
Nawel Agher, University Hospital of Sidi Bel Abbés, Algeria

EC05  
**Title:** Doxorubicin induces large-scale histone redistribution in live cells  
Péter Nánási, University of Debrecen, Hungary

EC06  
**Title:** H2A.Z: stable or not stable that is the question  
László Imre, University of Debrecen, Hungary

EC07  
**Title:** Metastasis-associated protein 2 (MTA2) as a regulator of NF-kB in lung cancer  
Nefertiti El-Nikhely, Institute of Graduate Studies and Research, Alexandria University, Egypt

EC08  
**Title:** Emerging role of histone Lysine Methyltransferase SETDB1 and repressive histone marks H3K9me3, H4K20me3, H3K4me3 in pediatric brain tumors  
Alexia Klonou, Kapodistrian University of Athens Medical School, Greece

Networking & Refreshments 16:05-16:25 @ Foyer
Panel Discussion

D A Y - 3

September 05, 2018
Meeting Hall: Bleriot 1

KEYNOTE FORUM

Title: Transcriptional overlap links DNA hypo-methylation and hyper-methylation of contiguous promoters in cancer
Charles De Smet, De Duve Institute - University of Louvain, Belgium
10:05-10:45

Title: The decline of the prevalence of cancers during organism senescence
Alvaro Macieira Coelho, French National Institute of Health, France
10:45-11:25

Networking & Refreshments 11:25-11:45 @ Foyer

Sessions: Genomics | Biomarkers | Histone Proteins

Chair: Jiangwen Zhang, University of Hong Kong, Hong Kong
Co-Chair: Tao Liu, Histone Modification Group Children's Cancer Institute, Australia

INTRODUCTION

Title: Detection of tumor-related DNA methylation biomarkers in liquid biopsies from metastatic castration resistant prostate cancer patients to improve treatment decisions
Madonna R Peter, University of Toronto, Canada
11:45-12:10

Title: Emergence of novel CpG islands and genomic imprinting in mammalian evolution
Shunsuke Suzuki, Shinshu University, Japan
12:10-12:35

Title: TRF1 suppresses Break Induced Replication and early onset of ALT induction
Jean-Baptiste Vannier, Imperial College London, UK
12:35-13:00

Lunch Break 13:00-14:00 @ Hotel Restaurants

Awards & Closing Ceremony

Bookmark your Dates

5th International Congress on Epigenetics & Chromatin

August 22-23, 2019 | Vienna, Austria

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