Scientific Program

2nd International Congress on

EPIGENETICS & CHROMATIN

November 06-08, 2017 | Frankfurt, Germany

Exhibitor

Conference Series LLC LTD
47 Churchfield Road London, W3 6AY, UK
Phone: +448000148923 Fax: +442030041517
Keynote Forum

09:25-10:00 Introduction
Title: Identification of novel epigenetic targets in lung cancer using an induced pluripotent stem cell model
David S Schrump, National Cancer Institute, USA

10:00-10:35 Title: The epigenetics of common diseases
Kari Stefansson, deCODE genetics, Iceland

Networking and Refreshments Break 11:10-11:35 @ Foyer

11:35-12:10 Title: Reporting from the field; how epigenetics, genomics, big data and predictive analysis technology are impacting the everyday practice of healthcare
Alyssa Alabassi, Royal College of Surgeons of Edinburgh, UK

Sessions: Epigenetics | Epigenomes | Chromatin | Cancer Epigenetics
Session Chair: Oliver H Krämer, University Medical Center, Germany
Session Chair: Zhuqiang Zhang, Chinese Academy of Sciences, China

Session Introduction

12:10-12:30 Title: Epigenetic aspects of antineoplastic activities from drugs affecting mevalonate metabolism
Heidrun Karlic, Hanusch Hospital, Austria

12:30-12:50 Title: Epigenetic regulation of gene expression in leukemia by the Ikaros tumor suppressor
Sinisa Dovat, Pennsylvania State University, USA

12:50-13:10 Title: Epigenetics and human aging
Keith Booher, Zymo Research Corporation, USA

Group photo

Lunch Break 13:10 - 14:10 @ Restaurant Gaumenfreund

14:10-14:30 Title: Blood-based methylation as biomarker for breast cancer
Barbara Burwinkel, German Cancer Research Center, Germany

14:30-14:50 Title: Epigenetic and transcriptional changes following treatment with DNA methylation inhibitor, 5-aza-deoxycytidine (DAC)
Malgorzata Wiencek, The University of Birmingham, UK

14:50-15:10 Title: Epigenetic marks of prenatal maternal stress
Stephan Claes, University of Leuven, Belgium

15:10-15:30 Title: A Single gene inactivation with implications to diabetes and multiple organ dysfunction syndrome
Ian James Martins, Edith Cowan University, Australia

15:30-15:50 Title: Epigenetics in Sporadic Retinoblastoma
Ilaria Naldi, University of Florence, Italy

15:50-16:10 Title: Epigenetic alterations during chronic colitis malignant transformation
Wancai Yang, Jining Medical University, China

Networking and Refreshments Break 16:10 - 16:30 @ Foyer
16:30-16:50 Title: Hypoxia as an epigenetic factor and hyperbaric oxygen therapy
          Aslican Çakkalkurt, Koc University Hospital, Turkey

16:50-17:10 Title: Lysine methylation signaling at chromatin
          Dan Levy, Ben-Gurion University, Israel

17:10-17:30 Title: Histone isoforms and variants: Differential incorporation in chromatin regulates the dynamic behavior of cancer epigenome
          Sanjay Gupta, Tata Memorial Centre, India

Panel Discussion

Day 2 November 07, 2017

Keynote Forum

10:00-10:35 Title: Transcriptional and epigenetic regulation of DNA repair
          Bernd Kaina, University Medical Center, Germany

10:35-11:00 Networking and Refreshments Break 10:35-11:00 @ Foyer

11:00-11:35 Title: Cell type-specific methylation pattern: A chance to minimize cohorts for epigenome-wide studies
          Mario Bauer, Helmholtz Centre for Environmental Research– UFZ, Germany

11:35-12:10 Title: Setting of DNA methylation – biological and technical approaches
          Albert Jeltsch, University of Stuttgart, Germany

Sessions: Epigenetics Biomarkers | Epigenetics Mechanism and Regulation | Epigenetic Diseases – Clinical Applications
Session Chair: Sinisa Dovat, Pennsylvania State University, USA
Session Chair: Barbara Burwinkel, German Cancer Research Center, Germany

Session Introduction

12:10-12:30 Title: Drugs against class I histone deacetylases interfere with cancer-associated metastatic programs
          Oliver H Krämer, University Medical Center, Germany

12:30-12:50 Title: Epigenetic strategies to treat neurodegenerative diseases
          Andre Fischer, German Center for Neurodegenerative Diseases, Germany

12:50-13:10 Title: Mrg15 stimulates H3K36 methyl transferase activity of Ash1 and facilitates Trithorax group protein function of Ash1 in Drosophila
          Zhuqiang Zhang, Chinese Academy of Sciences, China

Lunch Break 13:10 - 14:10 @ Restaurant Gaumenfreund

14:10-14:30 Title: The epigenetic biomarker γh2ax
          Emmy P Rogakou, EpigenFocus, Greece

14:30-14:50 Title: Interplay of actin remodeler and SUMO pathway governs epigenetic regulation and cellular programming
          Arnab Nayak, Hannover Medical School, Germany

14:50-15:10 Title: Involvement of estrogen in testicular functions through epigenetic mechanisms
          Nafisa Huseni Balasinor, National Institute For Research In Reproductive Health (ICMR), India

15:10-15:30 Title: Chromatin reshuffling: A novel biomarker for stress-related metal disorders
          Daniel Nätt, Linköping University, Sweden

15:30-15:50 Title: Transcriptional elongation control and HBV cccDNA transcription Recklinghausen's neurofibromatosis
          Chengqi Lin, Southeast University, China

Networking and Refreshments Break 15:50 - 16:15 @ Foyer

16:15-16:35 Title: Epigenetics that lead to inherited diseases
          Fatima Enaya, Jordan University of Science and Technology, Jordan
Title: Identification of a synergistic relationship between paracetamol and 5-aza-2'-deoxycytidine in the treatment of head and neck squamous cell carcinoma
Hannah Eadie, The University of Birmingham, UK

Title: Serine protease PRSS8 in gastrointestinal inflammation and tumorigenesis
Yonghua Bao, Jining Medical University, China

Title: Cis-regulatory network in head and neck squamous cell carcinoma: Implications for new therapies
Harmeet Gill, The University of Birmingham, UK

Panel Discussion

Day 3 November 08, 2017

Hall

Sessions: Cancer Epigenetics | Reproductive Epigenetics
Session Chair: Wancai Yang, Jining Medical University, China
Session Chair: Stephan Claes, University of Leuven, Belgium

Session Introduction

10:00-10:20
Title: Epigenetics, a sculptor of evolution?
Arsene Cosmin, AMS 2000 Genetic Laboratory, Romania

Title: Methylation level of anti-mullerian hormone (AMH) in polycystic ovary syndrome (PCOS) patients
Asmarinah, University of Indonesia, Indonesia

Networking and Refreshments Break 10:40-11:05 @ Foyer

11:05-11:25
Title: The preventive role of intravenous L-alanyl L-Glutamine in reducing the incidence of oral mucositis in head and neck cancer patients receiving radiotherapy with or without chemotherapy
Nesreen Mohamed Sabry Afifi Mattar, Tanta University Hospitals, Egypt

Title: Methylation level of plasminogen activator inhibitor-1 (PAI-1) in endometriosis
Ririn Rahmala Febri, University of Indonesia, Indonesia

Panel Discussion

Poster Presentation @ 11:45-13:00

P01
Title: Potential new role for ROS in the epigenetic regulation of gene expression
Maria Inmaculada Calvo Sanchez, Ramon y Cajal University Hospital, Spain

P02
Title: mRNA expression of the glutathione related genes in cultured HeLa cells treated with valproic acid
Benjamin Gonzalez Lopez, Escuela Superior de Medicina, Mexico

P03
Title: Molecular cloning and analysis of the CHD7 chromatin remodeler promoter region
Raquel Arminda Carvalho Machado, University of Sao Paulo, Brazil

P04
Title: Effect of cigarette smoking on circulating plasma miRNA in healthy individuals
Bengt Ake Anderson, Linkoping University, Sweden

P05
Title: Preliminary results of continuation maintenance treatment with pemetrexed in advanced non-squamous non-small cell lung cancer (NSCLC) patients after prior induction chemotherapy—single-arm phase II study
Nesreen Mohamed Sabry Affi Mattar, Tanta University Hospitals, Egypt

P06
Title: Comparison of the anticancer effects of the histone deacetylase inhibitor panobinostat with doxorubicin on pre-clinical models of hepatocellular carcinoma
Neimat Abd El Hakam Yassin, Mansoura university, Egypt

P07
Title: Investigating the role of Nitric Oxide (NO) on DNA methylation in breast cancer cells
Berna Demircan Tan, Istanbul Medeniyet University, Turkey

Lunch Break 13:10 - 14:10 @ Restaurant Gaumenfreund

Awards & Closing Ceremony