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# EPIGENETICS & CHROMATIN

November 06-08, 2017 | Frankfurt, Germany

**Exhibitor**

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# Opening Ceremony

## Keynote Forum

09:25-10:00 Introduction

**Title: Identification of novel epigenetic targets in lung cancer using an induced pluripotent stem cell model**

10:00-10:35

David S Schrupp, National Cancer Institute, USA

10:35-11:10

**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 Wiench, 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

### Hall

### Keynote Forum

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

### 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  $\gamma$ 2ax**  
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



- 16:35-16:55** **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
- 16:55-17:15** **Title: Serine protease PRSS8 in gastrointestinal inflammation and tumorigenesis**  
**Yonghua Bao**, Jining Medical University, China
- 17:15-17:35** **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
- 10:20-10:40** **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
- 11:25-11:45** **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**  
**María Inmaculada Calvo Sánchez**, Ramón 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 Åke Anderson**, Linköping 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 Afifi 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**