



eulife

SCIENTIFIC WORKSHOP 2015

EPIGENETICS AND DISEASE

Copenhagen, May 12th - 13th 2015

EU-LIFE scientific workshop

Epigenetics and Disease

BRIC, Copenhagen, 12-13th May 2015

INTRODUCTION

Goal

This second EU-LIFE scientific workshop aims to bring together basic scientists and clinicians/translational researchers from EU-LIFE institutes (and collaborators) to explore and discuss epigenetics in relation to disease. We aim to foster a discussion on how to strengthen epigenetics, merging translational science with the clinic to integrate clinical needs, highlight new discoveries in epigenetic, technologies, drug discovery pipelines, and latest computational and modeling approaches. The workshop will also be an opportunity to forge new scientific collaborations within EU-LIFE and found the basis for future joint activities and projects.

Format

Each EU-LIFE institute will invite a “**tandem of speakers**”, one being a basic researcher and the second a clinical/translational researcher.

The constellation of these “tandems” may vary:

- a) one or both speakers may work at the EU-LIFE center or partnering institute/university/hospital/company, and ideally they are engaged in a cooperative project;
- b) the basic researcher and the clinical/translational scientist do not have an ongoing cooperation but their work is relevant to each other.

Each tandem of speakers will have 45-minute slot to present their work jointly and highlight opportunities and challenges of their collaboration. Within the slot, enough time should be left for discussion.

The meeting will also include a **poster session** for junior researchers. Each EU-LIFE institute will invite one or two students (PhDs or postdocs) to present their projects as poster (joint posters are also possible). Based on the submitted abstracts, 6 poster will be selected for a “Flash poster presentation” to give a maximum 3-minute (2 slide) highlight of their poster.

Organizers and hosts

Janine Erler and Jesper B Andersen at Biotech Research and Innovation Centre (BRIC) University of Copenhagen, Denmark in collaboration with the EU-LIFE Translational Working group.

Agenda
Tuesday, May 12th 2015

11.00-12.45	Registration
12.00-12.45	Lunch
13.00-13.15	Opening remark: Dr. Kristian Helin, Director Biotech Research and Innovation Centre
13.15-15.15	Session 1: Dr. Janine Erler (BRIC)
13.15-14.00	Tandem 1: Dr. Diether Lambrecht (VIB) Title: Tumor hypoxia causes DNA epimutations by reducing TET activity Dr. Annette Byrne (RSCI: Royal College of Surgeons in Ireland) Title: Angiopredict: Predicting response to combination bevacizumab therapy in metastatic colorectal cancer
14.00-14.45	Tandem 2: Dr. Stefan Kubicek (CeMM) Title: Screening for personalized cancer treatments Dr. Gregory Vladimer (CeMM) Title: Image-based screening of human blood for personalized medicine and drug discovery
14.45-15.15	Coffee break
15.15-17.45	Session 2: Dr. Mohamed Benitres-Alj (FMI)
15.15-16.00	Tandem 3 Dr. Wilbert Zwart (NKI) Dr. Andre Bergman (NKI) Title: Bridging pathological genomics with daily clinical practice towards personalized prostate cancer therapy
16.00-16.45	Tandem 4 Dr. Caroline Heckman (FIMM) Dr. Kimmo Porkka Title: Epigenetic deregulation in haematological malignancies
16.45-17.45	Flash poster presentation 6 poster abstracts has been selected for a 3-minute (2 slide) highlight
17.45-18.15	Walk to BRIC
18.15-21.00	Dinner and drinks at BRIC (including poster session w/ poster price)
18.15-19.00	Poster session 1 – Even numbered posters
19.30-20.15	Poster session 2 – Odd numbered posters

Agenda
Wednesday, May 13th 2015

08.45	Start
09.00-10.30	Session 3: Dr. Jesper B Andersen (BRIC)
09.00-09.45	Tandem 5: Dr. Gavin Kelsey (Babraham) Title: DNA methylation profiling in single cells: Challenges and opportunities Dr. Jason Mellad (Cambridge Epigenetix) Title: Next generation epigenetics: Innovative research tools and collaborative opportunities
09.45-10.30	Tandem 6 Dr. Paul Cottu (Institut Curie Hospital) Dr. Zachary Gurard-Levin (Institut Curie Research Center) Title: Epigenetic markers and prediction of response to chemotherapy
10.30-11.00	Coffee break
11.00-11.45	Tandem 7 Dr. Luciano di Croce (CRG) Dr. Saverio Minucci (IEO) Title: Epigenetic regulation in stem cells and cancer
11.45-13.15	Lunch at Infosalen
13.15-16.30	Session 4: Dr. Janna Saarela (FIMM)
13.15-14.00	Tandem 8 Dr. Kirsten Grønbaek (BRIC, Centre for Epigenetics, Copenhagen University Hospital) Dr. Bo Porse (Director Finsen Laboratories, DanStem, BRIC-Finsen) Title: Translational epigenetics in hematological cancers: Epigenetic changes of immune- and cancer cells as targets for therapy
14.00-14.45	Tandem 9 Dr. Antoine Peters (FMI) Dr. Ralph Tiedt (Novartis) Title: Cellular subtypes and therapeutic targeting of MLL-rearranged leukemia
14.45-15.30	Tandem 10 Dr. Ana Pombo (MDC) Title: Novel views on genome architecture Dr. Daniel Ibrahim (Charité Berlin, Germany, Postdoc Dr. Stefan Mundlos lab) Title: Genome misfolding and regulatory mutations in congenital disease
15.30-16.00	Coffee break
16.00-16.30	Tandem 11 Dr. Diogo Castro (IGC) Title: Ascl1 coordinately regulates gene expression and the chromatin landscape during neurogenesis
16.30-17.00	Closing remarks: Dr. Michela Bertero (CRG, Spain)
17.00-19.00	TRG working group meeting (closed for members)
19.30-	Dinner for TRG members (Restaurant Nørrebro Bryghus, walking distance to BRIC)
