



The 24th Annual BioCity Symposium and the 25th Anniversary Symposium of
 Turku Centre for Biotechnology

EPIGENOMICS

- from basic principles of life to human health and disease

• THURSDAY, AUGUST 21, 2014

8.15 **Matti Rihko**, University of Turku,
 Chairman of the Governing Board,
*Opening words & Presentation of the Elias Tillandz prize
 for the best publication in BioCity Turku 2013*

SESSION I: (Chair Riitta Lahesmaa)

8.30 **Andrew Fire**, Stanford University, USA:
"Biological responses to foreign information"
 9.30 **Poster session A & Coffee/Tea & Exhibition**
 10.30 **Anjana Rao**, La Jolla Institute for Allergy and Immunology, USA:
"TET proteins and 5-methylcytosine oxidation"
 11.15 Short presentations selected from abstracts
 12.00 **Lunch & Exhibition**

**SESSION II: From plants to mammals
 (Chair Eva-Mari Aro)**

13.00 **Dirk Schübeler**, Friedrich-Miescher-Institute for Biomedical
 Research, Switzerland: *"Setting and reading DNA methylation"*
 13.45 **Lars Hennig**, Swedish University of
 Agricultural Sciences, Sweden:
"Variations of a theme – Polycomb group proteins in plants"
 14.30 **Poster session B & Coffee/Tea & Exhibition**
 15.30 **Ryan Lister**, The University of Western Australia,
 Australia: *"Stem cell niches in the model plant
 Arabidopsis" & "Global epigenomic reconfiguration during
 mammalian brain development"*
 16.15 **Seminar ends**
 19.00 **Symposium party in Turku Castle**

THE SYMPOSIUM IS SUPPORTED BY:

Doctoral Programme of Clinical Investigation (CLIDP)
 Doctoral Programme in Molecular Life Sciences (DPMLS)
 Drug Research Doctoral Programme (DRDP)
 Faculty of Medicine Postgraduate Education Unit (PGE)
 Finnish Doctoral Program in Oral Sciences (FINDOS)
 National Doctoral Programme in Informational and Structural Biology ISB (ÅAU)
 Turku Doctoral Network in Molecular Biosciences MolBio (ÅAU)
 Turku Doctoral Programme of Biomedical Sciences (TuBS)
 Turku Doctoral Programme of Molecular Medicine (TuDMM)
 Turku University Foundation
 Åbo Akademi University
 Åbo Akademi University Foundation

• FRIDAY, AUGUST 22, 2014

**SESSION III: Epigenomics of human pluripotent
 stem cells and male germ line
 (Chair Jorma Toppari)**

8.30 **Louise Laurent**, University of California San Diego, USA:
*"Using genomics and epigenomics to evaluate human
 pluripotent stem cells: hESCs, hiPSCs, hSCNT-ESCs
 and beyond"*
 9.15 **Sophie Rousseaux**, Université de Grenoble, France:
"Programming and packing the male genome for a safe trip"
 10.00 **Sarah Kimmins**, McGill University, Canada:
"Molecular underpinnings of paternal epigenetic inheritance"
 10.45 **Posters & Coffee/Tea & Exhibition**

**SESSION IV: Impact in biomedicine
 (Chair Riikka Lund)**

11.30 **Matthias Merckenschlager**, MRC Clinical Sciences
 Centre, UK: *"How cohesin regulates gene expression"*
 12.15 **Gioacchino Natoli**, IFOM-IEO, Italy:
*"The macrophage epigenome and the control of
 inflammatory gene expression"*
 13.00 **Lunch & Exhibition**
 14.00 **Alexander Tarakhovskiy**, The Rockefeller University, USA:
"Virus subversion of chromatin"
 14.45 **Manolis Kellis**, Massachusetts Institute of Technology,
 USA: *"Systems epigenomics and regulatory genomics of
 human disease"*
 15.30 **Jyrki Heino: Closing Remarks**

ORGANISED BY:

BioCity Turku, University of Turku, Åbo Akademi University

INFORMATION AND REGISTRATION
 by August 13, 2014 at www.biocity.turku.fi

SUBMISSION OF POSTER ABSTRACTS
 by June 17, 2014 at www.biocity.turku.fi

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SEE THE PRECEDING SYMPOSIUM
 on Wednesday 20.8.2014 at <http://www.btk.fi/home/cbt-symposium/>

