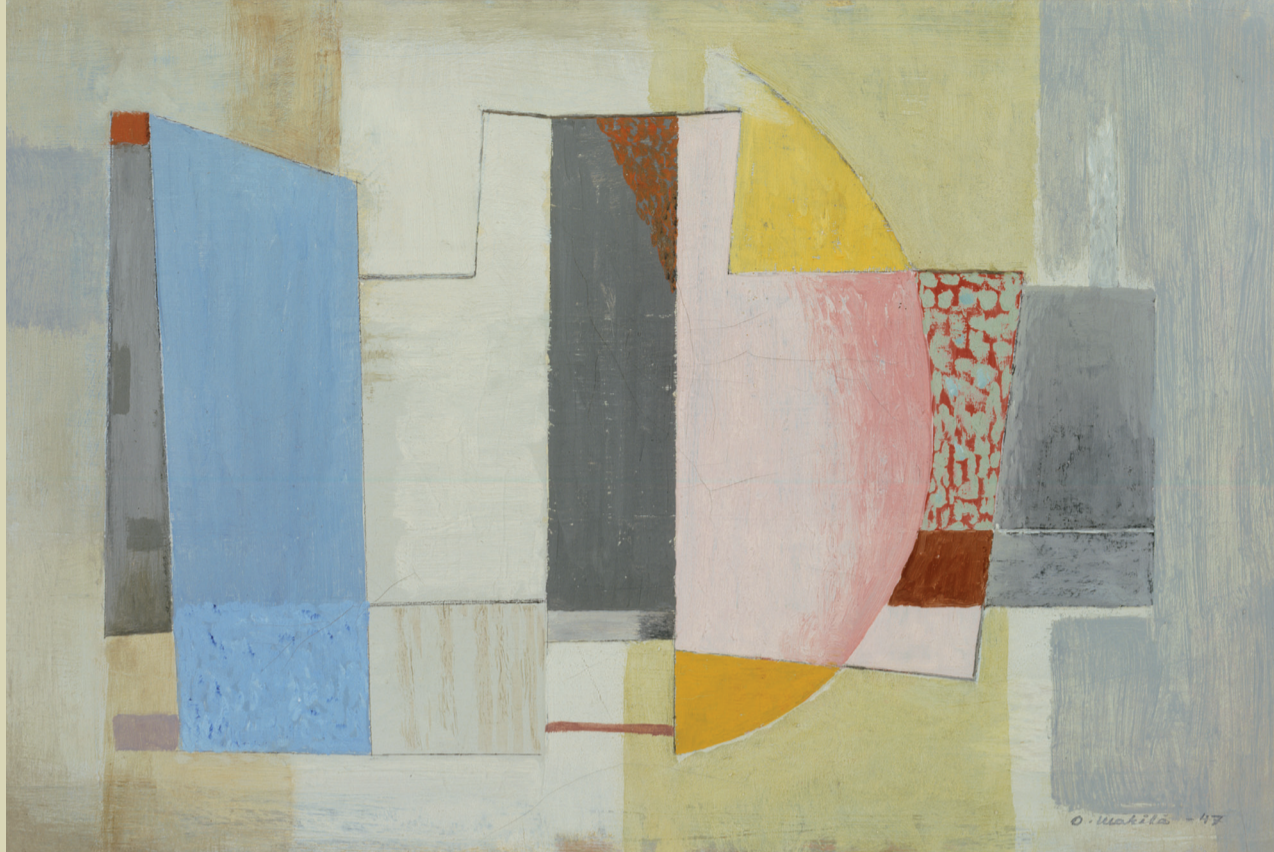


The 25th Annual BioCity Symposium

CONTROL AND COMMUNICATION

- Molecular law and
order in biological
systems



THURSDAY, August 27, 2015

8.15 TBA Opening words & Presentation of the Elias Tillandz prize for the best publication in BioCity Turku 2014

SESSION I: MOLECULAR CONTROL MECHANISMS (Chairs Päivi Koskinen and Mark Johnson)

- 8.30 **Andrew Dillin**, University of California, Berkeley, USA:
"Orchestrating aging across a troubled soma"
- 9.30 **Poster session A & Coffee/Tea & Exhibition**
- 10.30 **Ido Amit**, Weizmann Institute of Science, Rehovot, Israel:
"Shaping the blood: Lessons from chromatin and single cell RNA-seq dynamics"
- 11.15 **Short presentations selected from abstracts**
- 12.00 **Lunch & Exhibition**
- 13.00 **David Komander**, MRC Laboratory of Molecular Biology, Cambridge, UK:
"Modifying the modifier - phosphorylated ubiquitin and its role in Parkin activation"
- 13.45 **John O'Neill**, University of Cambridge, UK:
"The causes and consequences of cellular circadian rhythms"
- 14.30 **Poster session B & Coffee/Tea & Exhibition**
- 15.30 **Hannele Ruohola-Baker**, University of Washington, Seattle, USA:
"The metabolome regulates stem cell epigenetic landscape"
- 16.15 **Seminar ends**
- 19.00 **Symposium party at Restaurant Daphne (Forum Marinum museum)**

FRIDAY, August 28, 2015

SESSION II: NEURONAL CONTROL MECHANISMS (Chair Eleanor Coffey)

- 9.00 **Ed Boyden**, Massachusetts Institute of Technology, Cambridge, USA:
"Tools for mapping and fixing complex biological systems"
- 9.45 **Joel Elmquist**, University of Texas, Dallas, USA:
"Using mouse genetics to unravel the CNS pathways regulating energy balance and glucose homeostasis"
- 10.30 TBA
- 11.15 **Lunch & Exhibition**

SESSION III: DYSREGULATION OF CONTROL MECHANISMS (Chairs Eriika Savontaus and Laura Elo-Uhlgrén)

- 12.15 **Ramnik Xavier**, Massachusetts General Hospital, Boston, USA:
"The microbiome: Modern-day augur of disease"
- 13.00 **Patrik Rorsman**, OCDEM, University of Oxford, UK:
"Cell biology of glucagon secretion: A long neglected component of diabetes"
- 13.45 **Posters & Coffee/Tea & Exhibition**
- 14.45 **Nils Blüthgen**, Charité - Universitätsmedizin Berlin, Germany:
"Computational Models of EGFR signalling uncover mechanisms of drug resistance"
- 15.30 **Jyrki Heino**, University of Turku:
Closing remarks

THE SYMPOSIUM IS SUPPORTED BY:

Doctoral Programme of Clinical Investigation (CLIDP, UTU)
Doctoral Programme in Molecular Life Sciences (DPMLS, UTU)
Drug Research Doctoral Programme (DRDP, UTU)
Faculty of Medicine Postgraduate Education Unit (PGE, UTU)
Finnish Doctoral Program in Oral Sciences (FINDOS, UTU)
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, UTU)
Turku Doctoral Programme of Molecular Medicine (TuDMM, UTU)
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ORIGINAL ARTWORK:

Otto Mäkilä, Door to the Unknown (1947),
Ateneum Art Museum
Photo: Finnish National Gallery/Janne Mäkinen

