WEDNESDAY, June 16

11:00 Registration opens

13:00 Welcome address

Session 1: Chair Antonio Del Sol Mesa, Luxembourg Center for Systems Biomedicine
13:10 Keynote Talk: David Galas, Institute for Systems Biology
14:00 Talk 1: Witt et al. Modeling time delay in the NFκB signaling pathway following low dose IL-1 stimulation
14:20 Talk 2: Sakhanenko et al. Constrained probabilistic modeling of genetic data

14:40 Coffee Break / Poster Session 1

Session 2: Chair Antti Niemistö, Tampere University of Technology
16:00 Keynote talk: Wei Zhang, Department of Pathology, The University of Texas M. D. Anderson Cancer Center
16:50 Talk 3: Lohr et al. Extracting differential regulatory sub-networks from genome-wide microarray expression data
17:10 Talk 4: Ylipää et al. From genetic markers to characteristic regulators in soft tissue sarcomas

17:30 Walk to old town; Guided tour at Old town
19:30 Conference dinner / Old town

THURSDAY, June 17

Session 3: Chair Carsten Carlberg, University of Luxembourg
08:30 Keynote talk: Olivier Gandrillon, Centre de Genetique Moleculaire et Cellulaire, Université Claude Bernard Lyon
09:20 Talk 1: Ribeiro et al. Dynamical effects of transcriptional pause sites
09:40 Talk 2: Hafner et al. Multiple feedback loops in circadian cycles: robustness and as selection criteria
10:00 Coffee Break

Session 4: Chair Andre Ribeiro, Tampere University of Technology
10:30 Keynote Talk: Sui Huang, Institute for Biocomplexity and Informatics, University of Calgary
11:20 Talk 3: Heinäniemi et al. Systematic identification of lineage determining transcriptional regulation from gene expression profiles
11:40 Talk 4: Emig et al. Measuring and analyzing tissue specificity of human genes and protein complexes
12:00 Talk 5: Mäki-Marttunen et al. Modeling growth in neuronal cell cultures: network properties in different phases of growth studied using two growth simulators
12:20 Lunch
Session 5: Chair Matti Nykter, Tampere University of Technology
13:30 Keynote Talk: Riitta Lahesmaa, Turku Centre for Biotechnology, University of Turku, Finland
14:20 Talk 6: Heikkinen et al. Genome wide transcriptional regulation by vitamin D receptor in human monocytes
14:40 Talk 7: Lucarelli et al. Systems biology of interferon gamma induced STAT1 signalling
15:00 Coffee Break / Poster Session 2 / ESTOOLS database tutorial session

Session 6: Chair Ilya Shmulevich, Institute for Systems Biology
16:30 Keynote Talk: Peter Andrews, Centre for Stem Cell Biology, University of Sheffield
17:20 Talk 8: Michoel et al. Towards system level modeling of functional modules and regulatory pathways using genome-scale data
17:40 Talk 9: Henkel et al. A systems biology approach to analyze diurnal dynamics of carbohydrate metabolism in a plant leaf
18:00 Talk 10: Feuer et al. The impact of the intracellular membrane formation on the central metabolism of Rhodospirillum rubrum
18:20 Program ends
19:00 Dinner

FRIDAY, June 18

Session 7: Chair Juha Kesseli, Tampere University of Technology
09:00 Keynote talk: Ilya Shmulevich, Institute for Systems Biology
09:50 Talk 1: Äijo et al. Learning gene regulatory networks with delayed ODEs and continuous-time expression representation
10:10 Talk 2: Schober et al. Spectral properties of a Boolean model of the E. Coli genetic network and their implications on network inference
10:30 Talk 3: Erkkilä et al. Inferring genetic regulatory interactions from time-collapsed Boolean summary variables
10:50 Coffee Break

Session 8: Chair: Nick Flann Institute for Systems Biology and Utah State University
11:20 Keynote Talk: Frank Bruggeman, CWI & Netherlands Institute for Systems Biology
12:10 Talk 4: Klaus et al. Thresholding methods for feature selection in genomics: higher criticism versus false nondiscovery rates
12:30 Talk 5: Baker et al. Unscented kalman filter for estimation of multiple parameters in kinetic models
12:50 Talk 6: Ahdesmäki et al. Computationally efficient shrinkage discriminant analysis for omics problems
13:10 Closing
13:30 Program ends