



Linköpings universitet

WCN Symposium on Modeling and Systems Biology
3rd Frontiers in The New Biology: Models of Life
Monday September 21, 2009

- 08.15-08.45 *Registration, poster montage, coffee*
- 08.45-08.55 Welcome and Opening remarks (Lars Terenius, Executive Coordinator WCN)
- 08.55-11.30 Modeling human systems
- Tobias Meyer** (Stanford)
Signaling systems biology of cell migration and proliferation
- WCN nominee: Jussi Taipale** (Karolinska Institutet)
Systems Biology of Cancer
- Albert-László Barabási** (Northeastern University)
Network Medicine: From Cellular Networks to the Human Diseaseome
- WCN nominee: Jochen Schwenk** (Royal Institute of Technology)
Next generation biobank profiling
- 11.30-12.30 *Lunch, posters at display*
- 12.30-13.30 Mammalian model systems
- WCN nominee: David Engblom** (Linköping University)
Cocaine-induced plasticity in the dopamine system
- WCN nominee: Göran Andersson** (Swedish University of Agricultural Sciences)
Domestic animals as models for genetics of complex traits
- 13.30-14.50 Modeling plant systems
- Mark Stitt** (Max Planck Inst Mol Plant Physiol)
How plants avoid a credit crunch in a fluctuating environment: studies of diurnal regulation in Arabidopsis
- WCN nominee: Stefan Jansson** (Umeå University)
Analysing plants in the field using genomics and systems biology
- 14.50-15.20 *Coffee break*
- 15.20-17.00 Invertebrate model systems
- Norbert Perrimon** (Harvard)
Genome wide functional screens in Drosophila: A journey from the pre-RNAi to the RNAi days.
- Gary Ruvkun** (Harvard)
Analysis of small RNA pathways using C. elegans as a cardinal point of comparative genomic navigation
- 17.00-18.00 Single molecules in modeling
- WCN nominee: Johan Elf** (Uppsala University)
Probing intracellular processes at the level of single molecules
- WCN nominee: Erik Lindahl** (Stockholm University)
Modeling Protein Structure with Computers
- 18.00-18.10 Concluding remarks (Lars Terenius, Executive Coordinator WCN)
- 18.10-19.00 Poster Session with Pub

Location: Nobel Forum, Karolinska Institutet (Nobels v 1, Campus Solna)
http://www.kartguiden.com/mappage_new.asp?MapID=1024

Registration: <http://www.wcn.se/meetings/wcn-symposium/>

Registration deadline: September 7, 2009

Information: stefan.nobel@ki.se, www.wcn.se