

5th NISB Symposium

Venue: NH Conference Centre Leeuwenhorst, Langelaan 3, 2211XT Noordwijkerhout.

Time: 2009 October 14-15 (Wednesday and Thursday)

Overlap: The Thursday afternoon overlaps with the NCSB kick-off symposium.

Programme | Wednesday, 2009 October 14

9.30	registration, coffee
10.15 – 10.20	Opening
10.20 – 11.00	Klaas Hellingwerf Lifting photosynthesis out of the Stone Age
11.00 – 11.40	Erik Manders Quantitative microscopy for systems biology
11.40 – 11.55	Philipe Tostevin (<i>AIO group Ten Wolde</i>) Mutual information in gene regulatory networks
11.55 – 12.10	Lisette Anink (<i>NISB glue project Verschure-Bruggeman</i>) The gene-regulatory potential of epigenetics: detailed analysis using synthetic epigenetic cell systems
12.20	<i>lunch</i>
13.20 – 13.35	Anne Schwabe (<i>NISB AIO group Bruggeman</i>) Model for bursty gene expression
13.35 – 14.15	Jaap Heringa Course-grained quantitative modelling of a multicellular system: Revisiting vulval development in <i>C. elegans</i>
14.15– 15.15	Flash presentations by 15 poster presenters
15.15	<i>break</i>
15.50 – 16.30	Roel van Driel Chromatin-associated processes: NER as a paradigm
16.30 – 17.00	NISB group leaders meeting
18.00	<i>dinner</i>
19.30 – 21.00	Posters session
21.00	<i>Cheers Sport café: discussions, new ideas, drinks & bites</i>

Programme | Thursday, 2009 October 15

- 9.00 – 9.40 **Martine Smit**
Activation of GPCR-induced signalling networks
- 9.40 – 9.55 **Herwig Bachman** (group Teusink)
Cost-benefit analysis of protease expression
- 9.55 – 10.10 **Ning Chen** (*NISB glue project Verhage-Smilde*)
Synaptic Protein Interactome - Novel insights of AMPA receptor interacting proteins
- 10.10 – 10.25 **Tjalle Hoekstra** (group Wuite)
Proofreading mechanism of a processive DNA polymerase
- 10.25 *break*
- 11.00– 11.40 **Frank Bruggeman** (NISB Junior Group leader)
Prokaryotic signalling networks respond swiftly and robust at low molecule numbers
- 11.40 – 12.20 **Tom Shimizu**
Measuring transfer functions of intracellular signalling by FRET
- 13.00 *Sandwich lunch*
*Checking in for **NCSB kick-off symposium attendants.***
- 14.00 – 14.10 **Colja Laane** (*NGI Director, 's-Gravenhage*)
Launching NCSB: a new NGI Genomics Centre
- 14.10 – 14.30 **Roel van Driel** (*NCSB Director, Amsterdam*)
The NCSB programme: implementing systems biology
- 14.30 – 15.10 **Denis Noble** (*Oxford, UK*)
The principles of systems biology
- 15.10 *break*
- 15.40 – 16.20 **Douglas Kell** (*BBSRC/Manchester, UK*)
The cellular uptake of pharmaceutical drugs: a problem not of biophysics but of systems biology
- 16.20 – 17.00 **Béla Novák** (*Oxford, UK*)
Systems-level feedback control cell cycle progression
- 17.00 *drinks*
- 18.30 *dinner*
- 20.00 – 21.00 **Hub Zwart** (*CSG, Nijmegen*)
"Nature is wont to hide herself": are we about to unveil the complexities of life?
- 21.00 *Cheers Sport café: drinks & bites*

NOTE: The Thursday afternoon program is a joined meeting of NISB and NCSB (kick-off symposium of the Netherlands Consortium for Systems Biology). The NCSB meeting continues until Friday afternoon (see for scientific program <http://www.ncsb.nl/node/71>). The NCSB Friday programme is accessible for NISB investigators (incl. overnight stay) if they register on the NCSB website (<http://www.ncsb.nl/node/75>).