



Meeting COST 853

Agricultural Biomarkers for Array-Technology

Working Group 1 nucleic acid micro-arrays

Working Group 2 protein micro-arrays

Date: June 19-20, 2006

Location: WICC (Hotel and Congress center)
Lawickse Allee 9
6701 AN Wageningen, The Netherlands
Meeting Room: Kleine Veerzaal

PROGRAMME

MONDAY JUNE 19, 2006

8.00 - 9.00 hrs. Registration

9.00 - 9.10 hrs. Opening

9.10 - 9.45 hrs. *Goedele Cheroutre, Sanquin Blood Supply Foundation, Amsterdam, The Netherlands*
Rapid genotyping of blood group antigens by multiplex PCR and DNA microarray

9.45 - 10.20 hrs. *Aart van Amerongen, Agrotechnology & Food Innovations, Wageningen, The Netherlands*
Using colloidal carbon nanoparticles as detection labels in microarrays.

10.20 - 10.50 hrs. Coffee/tea break

10.50 - 11.15 hrs. COST 853
Juerg E. Frey, Agroscope ACW Changins-Wädenswil Research Station ACW, Switzerland
Microarrays: Which Technology for Which Application?

11.15 - 11.40 hrs. COST 853
Cor Schoen, Plant Research International B.V., Wageningen UR, The Netherlands
Quantitative multiplex detection of plant pathogens using PRI-lock probes and universal, ultra-high-throughput real-time PCR on OpenArrays™

11.40 - 12.05 hrs. COST 853
Tanja Kostic, ARC Seibersdorf Research GmbH, Seibersdorf, Austria
Development and evaluation of gyrB DNA microarray for detection of and identification of pathogenic bacteria

- 12.10 - 13.10 hrs. Lunch
- 13.10 - 13.45 hrs. *Mirjana Rajilić-Stojanović, Wageningen University, Lab. for Microbiology, Wageningen, The Netherlands*
The HITChip – A comprehensive microchip tool targeting the human intestinal microbiota
- 13.45 - 14.20 hrs. *Angela van Hoek, RIKILT – Institute for Food Safety, Wageningen UR, The Netherlands*
Microarray technology to detect antibiotic resistance genes.
- 14.20 - 14.45 hrs. Poster Discussion COST 853
Each poster can be presented orally with max. 5-6 slides (max 8 minutes)
- 14.45 - 15.15 hrs. Coffee/tea break
- 15.15 - 16.15 hrs. Poster Discussion COST 853, continuation
Each poster can be presented orally with max. 5-6 slides (max 8 minutes)
- 16.15 - 17.00 hrs. Poster Session
- 17.00 - 18.00 hrs. Management Committee meeting COST 853
- 18.00 hrs. Closure of day 1
- 19.00 hrs. Dinner (COST 853) at Hotel 'De Wereld', 5 Mei Plein, Wageningen

TUESDAY JUNE 20, 2006

- 8.30 - 9.05 hrs. *Jan Bergervoet, Plant Research International BV, Wageningen, The Netherlands*
Microsphere immuno assays
- 9.05 - 9.40 hrs. *Cees Waalwijk, Plant Research International BV, Wageningen, The Netherlands*
eBIOSENSE, Electric Bio Sensor Arrays for Analyses of Harmful Micro Organisms and Microbial Toxins
- 9.40 - 10.05 hrs. COST 853
Xavier Nesme, INRA and Université Lyon, France
Analysis of the microbial community dynamic associated to Take-All in wheat using 16S taxonomic microarrays.
- 10.05 - 10.35 hrs. Coffee/tea break
- 10.35 - 11.10 hrs. *Annuska Glas, Agendia BV, Amsterdam, The Netherlands*
Converting a complex profile into a simple diagnostic test
- 11.10 - 11.35 hrs. COST 853
Christine Oger-Desfeux, DTAMB, Université Claude Bernard Lyon, France
Early results of CGH on Agrobacterium tiling arrays: the lessons from a short oligo design.
- 11.35 - 12.00 hrs. COST 853
Neil Boonham Central Science Laboratory, York, United Kingdom
Detecting viruses using microarrays
- 12.00 - 13.00 hrs. Lunch
- 13.00 - 13.25 hrs. COST 853
Palmiro Poltronieri, CNR-ISPA, Lecce, Italy
Protein chips for screening of protease-protease inhibitor interactions
- 13.25 - 13.50 hrs. COST 853
Marusa Pompe Novak, National institute of biology, Ljubljana, Slovenia
Nucleic acid microarray data analyses in potato – virus interaction studies
- 14.00 - 14.30 hrs. Closing remarks
- 14.30 - 15.00 hrs. Coffee/tea break
- 15.00 hrs. Departure



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Wageningen, June 19-20, 2006

POSTERS

- 1. Ronald van Doorn, Plant Research International B.V., Wageningen UR, The Netherlands*
Quantitative multiplex detection of pathogens using PRI-lock probes and ultra-high-throughput qPCR on OpenArrays.
- 2. Ewa Lojkowska, University of Gdansk, Poland*
Application of Immunomagnetic Separation Live/Dead (IMS L/D) methods for direct detection of *Pectobacterium carotovorum* subsp. *atrosepticum* in plant tissue
- 3. Ewa Lojkowska, University of Gdansk, Poland*
Multiplex PCR for fast and simultaneous detection of *Pectobacterium carotovorum* subsp. *atrosepticum*, *Pectobacterium carotovorum* subsp. *carotovorum* and *Pectobacterium chrysanthemi*.
- 4. Tadeusz Malinowski, Research Institute of Pomology and Floriculture, Skierniewice, Poland*
Preliminary results on the application of micorarray based method for simultaneous detection of several fruit tree viruses.
- 5. Miroslav Sip, ZSF JCU, Ceske Budejovice, Czech Republic*
Parallel detection of plant pathogens on short oligonucleotide arrays
- 6. Palmiro Poltronieri, CNR-ISPA, Lecce, Italy*
Development of surface plasmon resonance DNA-based biosensors for the detection of toxigenic Fungi.
- 7. Arunas Ramanavicius, Vilnius University, Lithuania*
Nanogravimetric sensor for specific DNA detection
- 8. Mogens Nicolaisen, Danish Inst Agricultural Science (DIAS), Slagelse, Denmark*
An Oligonucleotide Array for Identification of Fusarium Species Occurring on Cereal Grain
- 9. Juerg E. Frey, Agroscope ACW Changins-Wädenswil Research Station ACW, Switzerland*
Towards a diagnostic microarray for European quarantine bacteria
- 10. Polona Kogovsek, National institute of biology, Ljubljana, Slovenia*
Genes involved in carbon metabolism are differentially expressed after PVY^{NTN} and PVY^N infection in potato.
- 11. Bart Lievens, Scientia Terrae Research Institute, Sint Kathelijne-Waver, Belgium*
Detecting SNPs using DNA arrays for plant pathogen diagnosis