Meeting COST 853
Agricultural Biomarkers for Array-Technology
WG 1 nucleic acid micro-arrays

August 16-17, 2004 **Helsinki, Finland**

Meeting site:
Viikki Info Centre, University of Helsinki

Useful web sites:
Viikki Info Centre: http://helix.helsinki.fi/infokeskus/english/index.html
Viikki Campus: www.helsinki.fi/inbrief/campus_viikki.htm
Map of the campus: www.helsinki.fi/kartat/map.html?x=53613&y=24775&px=1
City of Helsinki: www.hel.fi/english/
www.helsinki.fi
Airport: www.helsinki-vantaa.fi/lentoasemat/

Arrival:
SATURDAY August 14 2004, or SUNDAY August 15 2004

Programme:

SUNDAY August 15, 2004:

For those who arrive on Saturday and who are interested in having an organised tour in Helsinki and close-by sites of touristic interest, please contact the local organiser directly, **latest by June 15**:

Professor Jari Valkonen
E-mail: jari.valkonen@helsinki.fi
Fax.: +358-9-19158727

Those who wish to prepare their own programme can contact, e.g., the tourist office of the city of Helsinki: http://www.hel.fi/tourism/EN/matkailutoimisto.asp

Business programme:

MONDAY August 16, 2004:

8.30-9.00	Registration
9.00	Opening
9.10-9.45	Expert lecture on pre-amplification methods by an invited speaker Prof. Anna-Christine Syvanen, Uppsala University, Sweden "Quantitative evaluation by minisequencing and microarrays reveals accurate multiplexed SNP genotyping of whole genome amplified DNA"
9.45-10.05	COST 853 Dr. Cor Schoen, Plant Research International Wageningen, The Netherlands "pUMA, Padlock based Universal Multiplex Array, a useful tool for multiplex detection"
10.05-10.25	COST 853 Dr. Yuerg Frey, Federal Research Station for Horticulture, Waedenswil, Switzerland and Prof. Guenther Adam, University of Hamburg, Germany "Microarray-based identification of cucumber mosaic viruses beyond serogroups"
10.25-10.45	Coffee/Tea
10.45-11.20	Expert lecture on microchip design by an invited speaker Prof. Martin Romantschuk, Dept. Ecological and Environmental Sci. University of Helsinki, Finland "Strategies for development of a microchip for compost evaluation"
11.20-11.40	COST 853 Dr. Levente Bodrossy, Seibersdorf Research, Seibersdorf, Austria "Application of the methanotroph microarray to the high-throughput analysis of landfill site cover soils; analysis based on mRNA indicating activity as well as presence"
11.40-12.00	COST 853 Prof. Dr Dietmar Blohm Centre for Applied Gensensorik (CAG), University of Bremen, Germany Extracting, fragmentation and labelling of genomic bacterial DNA for PCR-free microarray analysis of milk
12.00-13:00	Lunch
13.00-14.30	Demonstration of local micro-array facilities
14.30-15.05	Expert lecture on hybridization platforms by an invited speaker Dr. Petri Auvinen, University of Helsinki, Finland "Microarray hybridization platforms"
15.05-15.25	Coffee/Tea

15.25-15.45	COST 853 Dr. Peter Bonants, Plant Research International Wageningen, The Netherlands “Evaluation of *Phytophthora* probes with PamGene 3D microarrays”
15.45-16.15	Discussion
16.15-17.30	Management committee meeting COST 853
17.30	Closure of day 1
17.35	Bus transport to harbor via the hotel, and a sightseeing tour by boat
19:30	Dinner (probably on one of the islands)

TUESDAY August 17, 2004:

8.45-9.20	Expert lecture on Cyanobacteria by an invited speaker Prof. Kaarina Sivonen, University of Helsinki, Finland “DNA microarray to detect toxic and nontoxic cyanobacteria”
9.20-9.40	COST 853 Dr. Neil Boonham, Central Science Lab, York, United Kingdom “Diagnostic chip – developing microarrays for the detection of potato pathogens”
9.40-10.00	COST 853 Prof. Jan Stenlid, Dept of Forest Mycology and Pathology, Swedish University of Agricultural Sciences, Uppsala, Sweden “Micro array based detection of forest pathogens”
10.00-10.20	Coffee/Tea
10.20—10.40	COST 853 Bart Lievens, Scientia Terrae Research Institute, Sint Katelijne-Waver, Belgium “Horticulture becomes ‘high tech’: Multiplex detection of plant pathogens by DNA arrays”
10.40-11.00	COST 853 Dr. Ingrid Franke-Whittle, Institute for Microbiology, Innsbruck, Austria “Detection of microbes in compost using an oligonucleotide microarray”
11.00-11.20	COST 853 Prof. Dr. Arunas Ramanavicius and dr. Almira Ramanaviciene, Vilnius University, Lithuania “Application of Conducting Polymers in DNA Sensors”
11.20-11.40	COST 853 Dr. Knut Rudi, MATFORSK Norwegian Food Research, Ås, Norway “A platform for 16S rDNA microarray analyses of food-related microbial communities”
11.45-12:45	Lunch

12:45-13.30 Poster Session

1. Ewa Lojkowska & Monika Slawiak,
   Dpt. Plant Protection & Biotechnology, University Gdansk, Poland
   "Application of modified AFLP for differentiation of bacteria for the species Pseudomonas"

2. Simona Greco , O.F. D'Urso, A. Logrieco, P. Poltronieri & Q. Migheli
   Dpt. Plant Protection, University Sassari. Italy
   "Validation of probes based on LAB Tu-EF gene and their application as DNA arrays for analysis of *Lactobacillus* species in dairy products"

3. Quirico Migheli & Simona Greco
   Dpt. Plant Protection University Sassari. Italy
   "Design of a macroarray for the analysis of *Trichoderma harzianum-Rhizoctonia solani* interaction"

4. Cor Schoen & Peter Bonants
   Business Unit Biointeractions & Plant Health, Plant Research International, Wageningen, The Netherlands
   "pUMA, Padlock based Universal Multiplex Array, a useful tool for multiplex detection"

5. Monika Pfunder
   Dpt. of Crop Protection, Swiss Federal Research Station, Waedenswil, Switzerland
   "COST Action 853 - Agricultural Biomarkers for Array-Technology"

6. Angelika Felk
   University of Hamburg, Biocentrer Klein Flottbek, Hamburg, Germany
   "Identification of infection specific EST's during head blight of barley and their differential expression during infection"

7. Almira Ramanaviciene & Arunas Ramanavicius
   Dpt. Analytical and Environmental Chemistry, Vilnius University, Lithuania
   "Basic Electrochemical Detection of Target DNA"

8. Even Heir
   Norwegian Food Research Institute, Ås, Norway
   "Title to be announced"

9. Frank Maier
   University of Hamburg, Biocentre Klein Flottbek, Hamburg, Germany
   "Major Virulence Factors of Fusarium graminearum and Their Use in Micro Arrays to find targets to combat the fungus"

10. Antonio Olmos & Ana Ruiz-Garcia
    IVIA and University of Valencia, Valencia, Spain
    "Electronic biochip for the simultaneous detection and characterization of potato viruses"

11. A. Rohde, E. Messens, K. Moreel, G. Goeminne, M. Vuylsteke & W. Boerjan
    Dpt of Plant Systems Biology, Flanders Interuniversity Institute for Biotechnology, Ghent University
    "Analysis of wood formation with microarrays; Far-reaching involvement of PAL1 and PAL2 in total metabolism"

12. Stephanie Meyer
    University of Hamburg, Biocentre Klein Flottbek, Hamburg, Germany
    "Heterosis-associated gene expression in early development of maize "

13. Stephan Scholten
    University of Hamburg, Biocentre Klein Flottbek, Hamburg, Germany
    "Expression profiles of central cell ESTs during fertilisation and early endosperm development "

14. Dietmar Blohm
    Centre for Applied Gensensorik (CAG), University of Bremen, Germany
    "Fish and Chips, a 6FP-EU funded microarray project for identifying marine organisms"

15. Dietmar Blohm
    Centre for Applied Gensensorik (CAG), University of Bremen, Germany
    "Gensensor-Nanoparts, a 6FP-EU funded microarray project for improving gene sensor sensitivity"

13.30-15.00	Poster Discussions COST 853 5' presentations (max 3 slides) of posters
15.00-15.20	Coffee/Tea
15.20-16.00	Final Discussion
16:00	Departure (distance to the airport is 20 min by bus/taxi)