Afternoon - Friday, November 29, 2002

14.30  L. Moretta (Genoa, I)
       Welcoming remarks
L. Varesio (Genoa, I)
       Opening remarks

Microarray Technology I

Chairpersons:  L. Luzzatto (Genoa, I)
                G. Tarone (Turin, I)
14.45  G. De Bellis (Milan, I)
       Identification of polymorphisms by the universal array approach
15.15  B. Anderegg (Moerfelden-Walldorf, D)
       Clinical molecular signature discovery via laser capture microdissection and
gene expression analysis
15.45  S. Frusconi (Florence, I)
       Mutations/SNPS detection by microelectronic chip protocol optimization to
       characterize several genes
16.00  M. Muselli (Genoa, I)
       Feature selection and bagging improve malignancy prediction based on gene
       expression data
16.15  Coffee break

Microarray Technology II

Chairpersons:  G. De Bellis (Milan, I)
                M. Schwab (Heidelberg, D)
16.30  R.A. Calogero (Turin, I)
       Analysis of p63 isoform-driven gene expression: a cDNA
       array/bioinformatics integrated approach
17.00  A. Brazma, J. Rung (Cambridge, UK)
       From microarray data to gene networks
17.30  D. Munroe (Frederick, USA)
       Microarray technology development: current state of affairs and future
       directions
18.00  G. Iazzetti (Naples, I)
Mining literature to improve biological knowledge extraction by microarray transcriptional profiling

18.15  
J. Beator (Keene, USA)
Development of multi-analyte protein microarray assays on FASTtm slides, a nitrocellulose coated glass surface

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**Morning - Saturday, November 30, 2002**

**Cells and drugs**

Chairpersons:  
R. Bernards (Amsterdam, NL)  
G. Schettini (Genoa, I)

08.45  
M.R. Bani (Bergamo, I)
cDNA microarray analysis to study changes of gene expression associated with paclitaxel responsiveness

09.00  
A. McLaren (Stevenage, UK)
Design and development of an M. tuberculosis cDNA array for a drug discovery program

09.15  
U. Pfeffer (Genoa, I)
Comparison of the effects of "angio-preventive" compound on gene expression of endothelial cells

09.30  
S. Marchini (Milan, I)
Gene expression profile of human ovarian cancer cell line IGROV-1 and IGROV-1/ET/PSC resistant sub-line following treatment with eecteinascidin-743 (ET-743)

09.45  
A. Izzotti (Genoa, I)
Evaluation of gene expression in environmental and preventive medicine

10.00  
Coffee break

**Applied Technology**

Chairpersons:  
D. Munroe (Frederick, USA)  
G.P. Tonini (Genoa, I)

10.15  
F. Cifuentes (Palo Alto, USA)
Characterization and properties of oligonucleotide microarrays produced using inkjet technology

10.40  
S. Hawkins (Cambridge, UK)
Perkin Elmer's protein microarray platform and the migration towards quantitative microarrays

11.05  
C. Betz (Ebersberg, D)
Microarrays at MWG - Basics and applications

11.30  
P. Schüßler (Köln, D)
New platforms for DNA microarrays: 70mer oligonucleotide probes offer excellent sensitivity and specificity

11.55  
B. Haase (High Wycombe Bucks, UK)
### Cancer I

**Chairpersons:**
- **M. Piris** (Madrid, ES)
- **V. Pistoia** (Genoa, I)

**14.00**
- **R. Bernards** (Amsterdam, NL)
  Predicting cancer diseases outcome using the genome as a sensorpad

**14.30**
- **L. Gangi** (Frederick, USA)
  Clinical applications of microarray technology

**15.00**
- **E. Medico** (Candiolo, I)
  Genomic dissection of epithelial invasive growth by the combined use of multiple microarray platforms

**15.15**
- **G. Blandino** (Rome, I)
  Identification of direct p73 target genes combining DNA microarray and chromatin immunoprecipitation analyses

**15.30**
  Coffee break

### Cancer II

**Chairpersons:**
- **J. De Vos** (Montpellier, F)
- **R. Biassoni** (Genoa, I)

**15.45**
- **M. Piris** (Madrid, ES)
  The role of massive molecular analysis techniques in lymphoma classification

**16.15**
- **F. Westermann, M. Schwab** (Heidelberg, D)
  Molecular parameters of neuroblastomas

**16.45**
- **T. Crnogorac-Jurcevic** (London, UK)
  Molecular profiling of pancreatic adenocarcinoma

**17.15**
- **M. Zollo** (Milan, I)
  Identification and characterization of new genes differentially expressed in neuroblastoma by gene array approaches

**17.30**
  Round Table and Poster Session

### Morning - Sunday, December 1st, 2002

**08.30 - 10.00**
  Poster Session

**Hematopoietic Tissue I**
Chairpersons:  
**P. Ricciardi Castagnoli** (Milan, I)  
**R. Ravazzolo** (Genoa, I)

10.00  
**F. Sinigaglia** (Milan, I)  
Gene expression analysis of T cell subsets: molecular basis for differential cell migration and homing in inflammation

10.30  
**S. Ferrari** (Modena, I)  
Gene expression profile changes during myeloid cell differentiation

11.00  
**S. Bicciato** (Padova, I)  
Multivariate modeling of gene expression data distinguishes T(4;11)-ALL as a unique leukemia entity

11.15 Coffee break

**Hematopoietic Tissue II**

Chairpersons:  
**G.B. Ferrara** (Genoa, I)  
**F. Sinigaglia** (Milan, I)

11.30  
**P. Ricciardi Castagnoli** (Milan, I)  
Comparative analysis of global transcriptional responses of dendritic cells to pathogens reveals the genetic signature underlying inflammation

12.00  
**J. De Vos** (Montpellier, F)  
High density microarray analysis of multiple myeloma: comparing tumor cells with their normal counterpart

12.30  
**L. Varesio** (Genoa, I)  
Gene expression profiling in response to environmental stimulation

13.00  
**J. Golay** (Milan, I)  
CD20 signaling induced by the anti-CD20 antibody rituximab in B- non Hodgkin's lymphoma cells

13.15 Closing remarks

Addressed to biologists, bioinformaticians and computational biologists, pharmacologists, geneticists, mathematicians, and clinicians, the Conference will strive to create a working platform to tackle and analyze the scientific advancements, the therapeutic applications and the commercial developments in the field of microarrays. These efforts will also lay the foundations for the launch of the Virtual European Laboratory for Microarray Studies, an initiative to be proposed for the further sharing and exploitation of data.

**Institutional Sponsors**  
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**Scientific Committee**  
**Alessandra Eva**, *Istituto G. Gaslini*  
**Lorenzo Moretta**, *Istituto G. Gaslini*
Gian Paolo Tonini, *Istituto Nazionale per la Ricerca sul Cancro*
Luigi Varesio, *Istituto G. Gaslini*

**Scientific Secretariat**
Luigi Varesio, PhD
Chantal Dabizzi
Laboratorio di Biologia Molecolare
Istituto Giannina Gaslini
Largo G. Gaslini, 5
Tel.: +39 010 5636599
Fax: +39 010 3733346
E-mail: luigivaresio@ospedale-gaslini.ge.ie

**Organizing Secretariat**
Maria Caterina Cogorno
Claudia Olcese
Scuola Internazionale di Scienze Pediatriche
Istituto Giannina Gaslini
Largo G. Gaslini, 5
Tel.: +39 010 5636324 - 6
Fax: +39 010 3776590
E-mail: sisp@ospedale-gaslini.ge.ie