

**Understanding the Genome:  
Scientific Progress and Microarrays Technology  
Genoa, November 29 - December 1, 2002**

**Sheraton Hotel**

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**Afternoon - Friday, November 29, 2002**

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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 FAST<sup>tm</sup> slides, a nitrocellulose coated glass surface

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### Morning - Saturday, November 30, 2002

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#### 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 ecteinascidin-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)

Applications of affymetrix in cancer and genotyping

12.30

Lunch

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### Afternoon - Saturday, November 30, 2002

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#### Cancer I

Chairpersons:

**M. Piris** (Madrid, ES)

**V. Pistoia** (Genoa, I)

14.00

**R. Bernardis** (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

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

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08.30 - 10.00

Poster Session

#### Hematopoietic Tissue I

Chairpersons:	<b>P. Ricciardi Castagnoli</b> (Milan, I) <b>R. Ravazzolo</b> (Genoa, I)
10.00	<b>F. Sinigaglia</b> (Milan, I) Gene expression analysis of T cell subsets: molecular basis for differential cell migration and homing in inflammation
10.30	<b>S. Ferrari</b> (Modena, I) Gene expression profile changes during myeloid cell differentiation
11.00	<b>S. Bicciato</b> (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:	<b>G.B. Ferrara</b> (Genoa, I) <b>F. Sinigaglia</b> (Milan, I)
11.30	<b>P. Ricciardi Castagnoli</b> (Milan, I) Comparative analysis of global transcriptional responses of dendritic cells to pathogens reveals the genetic signature underlying inflammation
12.00	<b>J. De Vos</b> (Montpellier, F) High density microarray analysis of multiple myeloma: comparing tumor cells with their normal counterpart
12.30	<b>L. Varesio</b> (Genoa, I) Gene expression profiling in response to environmental stimulation
13.00	<b>J. Golay</b> (Milan, I) CD20 signaling induced by the anti-CD20 antibody rituximab in B- non Hodgkin's lymphoma cells
13.15	Closing remarks

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*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.*

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### Institutional Sponsors

Fondazione Internazionale Menarini  
Fondazione Italiana per la Lotta al Neuroblastoma

### Scientific Committee

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