New Frontiers in Molecular and Cellular Therapy

Genoa (Italy), April 18 - 20, 2013

Promoted by

Villa Quartara
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With the Patronage of

EFIS - European Federation of Immunological Societies

GITMO - Gruppo Italiano per il Trapianto di Midollo Osseo

S.I.E. – Società Italiana Ematologia

S.I.E.S. – Società Italiana Ematologia Sperimentale

President of the Meeting

Lorenzo Moretta

Scientific Secretariat

Francesco Frassoni
Franco Locatelli

Organizing Secretariat - Provider

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Promoted by

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Thursday, April 18, 2013 - Afternoon

17.15 – 17.30  
**Opening Session**
Chairpersons: L. Moretta (Genoa, I)  
F. Locatelli (Rome, I)

**Welcome address**
L. Moretta (Genoa, I)

Chairperson: L. Moretta (Genoa, I)
17.30 – 17.35  
Introduction to the Main Lecture

17.35 – 18.20  
I.L. Weissman (Palo Alto, CA, USA)  
*Main lecture on:* Normal and Neoplastic Stem Cells

18.20  
**Welcome Ceremony**

Friday, April 19, 2013 - Morning

08.30 – 10.10  
**Session I – Harnessing Immune reconstitution and anti-tumor effect**
Chairpersons: L. Moretta (Genoa, I)  
M. Van Den Brink (New York, USA)

08.30 – 08.50  
F. Romagnani  
T Cells

08.50 – 08.55  
Discussion

08.55 – 09.15  
A. Moretta  
NK cells

09.15 – 09.20  
Discussion

09.20 – 09.40  
Velardi  
Perspectives of Cell manipulation in hematopoietic transplants

09.40 - 10.05  
M. Van Den Brink (New York, USA)  
Strategies to enhance T cell reconstitution

10.05 - 10.10  
Discussion

10.10 – 10.30  
*Coffee break*
10.30 – 12.25  
**Session II - Manipulation of The Immune Response**

Chairpersons:  
**F. Locatelli** (Rome, I)  
**F. Bonifazi** (Bologna, I)

10.30 – 10.50  
**G. Dotti** (Houston, USA)  
T cells redirected with chimeric antigen receptors: from the bench to clinical application

10.50 – 10.55  
Discussion

10.55 – 11.15  
**E. Biagi** (Monza, I)  
Chimeric antigen receptors as novel treatments for acute myeloid leukemia

11.15 – 11.20  
Discussion

11.20 - 11.50  
**B. Savoldo** (Houston, USA)  
CAR-directed T cells for lymphomas: old and new targets

11.50 - 10.55  
Discussion

11.55-12.25  
**Transplant Lecture**

Chairpersons:  
**G. Bandini** (Bologna, I)  
**E. Lanino** (Genoa, I)

11.55-12.20  
**F. Locatelli**  
New strategies of hematopoietic stem cell transplantation from alternative donors in the therapy of acute leukemias.

12.20-12.25  
Discussion

12.25-13.00  
**Session III - The challenge of infections in transplanted patients**

Chairpersons:  
**G. Dini** (Genoa, I)  
**A. Bacigalupo** (Genoa, I)

12.25-12.50  
**H. Einsele**  
Strategies for rebuilding viral and fungal-specific T cell immunity

12.50-13.00  
Discussion

13.00-14.00  
*Lunch*
Friday, April 19, 2013 - Afternoon

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<td>V. Pistoia (Genoa, I)</td>
<td>M. Van Den Brink (New York, USA)</td>
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<td>14.00-14.30</td>
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<td>A. Rambaldi (Bergamo, I)</td>
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<td>F. Frassoni (Genoa, I)</td>
<td>Stem Cells in development and disease</td>
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Saturday, April 20, 2013 – Morning

08.30 – 08.50  Lecture
Chairpersons: M. Gobbi (Genoa, I)  
G.M. Sambuceti (Genoa, I)  
A. Gallamini  
Standard Therapies versus Novel Therapies in Lymphomas

08.50 – 10.00  Session V – MoAb Molecular Targets and New Drugs
Chairpersons: A. Rambaldi (Bergamo, I)  
F. Fagioli (Torino, I)  
08.50 – 09.10  H. Einsele (Wurzburg, G)  
Blinatunomab for the treatment of lymphoproliferative disorders
09.10 – 09.15  Discussion
09.15 - 09.35  C. Carlo Stella (Milan, I)  
Brentuximab: a revolution for treating patients with Hodgkin Disease and anaplastic large cell lymphoma?
09.35 – 09.40  Discussion
09.40 – 09.55  D. Cilloni  
Targeting the microenvironment (EphA3 – endothelium etc)
09.55 – 10.00  Discussion
10.00 - 10.20  Coffee break

10.20 – 13.10  Session VI - New Molecular targets
Chairpersons: A. Biondi (Monza, I)  
G. Saglio (Torino, I)  
10.20 - 10.40  D. Cilloni  
Educational session: Constellation of molecular pathways and targets
10.40 - 10.55  E. Tiacchi  
BRAF V600E mutation in hematological malignancies
10.55 – 11.00  Discussion
11.00 – 11.15  **G. Gaidano** (Novara, I)
Targeting PI3-k and Bruton’s TKI in lymphoproliferative disorders

11.15 – 11.20  Discussion

11.20 – 11.35  **A. Vannucchi** (Florence, I)
JAK2 and mTOR inhibitors in myeloproliferative disorders

11.35 – 11.40  Discussion

11.40 – 11.55  **G. Martinelli** (Bologna, I)
SMO Nutlin FLT3 inhibitors

11.55 – 12.00  Discussion

12.00 – 12.15  **C. Dufour** (Genoa, I)
New Tragets in childhood AML

12.15 – 12.30  **S. Rutella** (Rome, I)
New drugs in childhood ALL

12.30 – 12.35  Discussion

12.35 – 12.50  **P. Ghia** (Milan, I)
BCL2 inhibitors in hematological malignancies

12.50 – 12.55  Discussion

12.55 – 13.10  **L. Moretta**
Take home messages