



Istituto Giannina Gaslini  
Ospedale Pediatrico IRCCS

# **New Frontiers in Molecular and Cellular Therapy**

**Genoa (Italy), April 18 - 20, 2013**

Organized by

ISTITUTO GIANNINA GASLINI

Promoted by



FONDAZIONE  
INTERNAZIONALE  
MENARINI

## **PROGRAM**

Badia Benedettina  
(Via Romana della Castagna, 11A - Genoa)

**With the Patronage of**

EFIS - European Federation of Immunological Societies

GITMO - Gruppo Italiano per il Trapianto di Midollo Osseo

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

A.I.E.O.P. – Associazione Italiana Ematologia Oncologia pediatrica

**President of the Meeting**

*Lorenzo Moretta*

Istituto Giannina Gaslini  
Genova

**Scientific Secretariat**

*Francesco Frassoni*

*Franco Locatelli*

**Organizing Secretariat - Provider**

**AVEC S.r.l. - Incentive Paintings** - Angela Volpe / Claudia Cislaghi  
Via Laboratori Autobianchi, 1 - c/o Polo Tecnologico Brianza - Edificio 9 - Ufficio 14  
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**Promoted by**

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Thursday, April 18, 2013 – Afternoon

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17.15 – 17.30

Chairpersons:

***Opening Session***

**F. Frassoni** (Genoa, I)

**F. Locatelli** (Rome, I)

**Welcome address**

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

17.30 – 18.20

**I.L. Weissman** (Palo Alto, CA, USA)

***Main lecture on:*** Normal and Neoplastic Stem Cells

18.20

**Welcome Ceremony**

**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      **G. Ferlazzo** (Messina, I)  
                         Dendritic Cells

08.50 – 08.55      Discussion

08.55 – 09.15      **A. Moretta** (Genoa, I)  
                         NK cells

09.15 – 09.20      Discussion

09.20 - 09.40      **A. Velardi** (Perugia, I)  
                         Transferring natural and adaptive immunity in haploidentical 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 – 12.10**      ***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 - 11.40      **B. Savoldo** (Houston, USA)  
                         CAR-redirected T cells for lymphomas: old and new targets

11.40 - 10.45      Discussion

11.45 – 12.05      **A. Bondanza** (Milan, I)  
                         CD44v6 CAR therapy for acute myeloid leukemia and multiple myeloma

12.05 - 12.10      Discussion

<b>12.10-12.40</b>	<b><i>Transplant Lecture</i></b>
Chairpersons:	<b>G. Bandini</b> (Bologna, I) <b>E. Lanino</b> (Genoa, I)
12.10-12.35	<b>F. Locatelli</b> (Rome, I) New strategies of hematopoietic stem cell transplantation from alternative donors in the therapy of acute leukemias
12.35-12.40	Discussion
<b>12.40-13.10</b>	<b><i>Session III - The challenge of infections in transplanted patients</i></b>
Chairpersons:	<b>A. Martini</b> (Genoa, I) <b>A. Bacigalupo</b> (Genoa, I)
12.40-13.05	<b>H. Einsele</b> (Wurzburg, G) Strategies for rebuilding viral and fungal-specific T cell immunity
13.05-13.10	Discussion
13.10-14.00	<i>Lunch</i>

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Friday, April 19, 2013 - Afternoon

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**14.00 –15.45**

***Session IV – Innovative strategies of adoptive cell therapy***

Chairpersons:

**M. Introna** (Bergamo, I)

**R. Lemoli** (Bologna, I)

14.00-14.30

**M. Van Den Brink** (New York, USA)

**Lecture on:** Strategies to enhance T cell mediated GVT

14.30-14.50

**M. Introna** (Bergamo, I)

CIK cell for the treatment of leukemia relapse after allogeneic transplantation

14.50-14.55

Discussion

14.55–15.15

**R. Lemoli** (Bologna, I)

Haploidentical NK cells as post induction therapy for elderly patients with AML

15.15-15.20

Discussion

15.20-15.40

**V. Huppert** (Bergisch Gladbach, G)

Cell Therapy, Graft Engineering, NK cells

15.40-15.45

Discussion

15.45–16.15

*Coffee break*

**16.15-18.15**

***Special Session - iPS : state of the art and when into the practice ?***

Chairpersons:

**F. Frassoni** (Genoa, I)

**V. Rosti** (Pavia, I)

16.15 – 17.15

**G. Daley** (Boston, USA)

Stem Cells in development and disease

17.15– 18.15

**JC Izpisua Belmonte** (Barcelona, S)

Strategies for organ and tissue regeneration

18.15 – 19.00

**Round Table and Panel Discussion Speakers and Francesco Frassoni,  
Franco Locatelli, Lorenzo Moretta**

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Saturday, April 20, 2013 – Morning

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**08.30 – 08.50**

***Lecture***

Chairpersons:

**M. Gobbi** (Genoa, I)  
**G.M. Sambuceti** (Genoa, I)

**A. Gallamini** (Cuneo, I)  
Standard Therapies versus Novel Therapies in Lymphomas

**08.50 – 10.00**

***Session V – MoAb Molecular Targets and New Drugs***

Chairpersons:

**C. Carlo Stella** (Milan, I)  
**F. Fagioli** (Torino, I)

08.50 – 09.10

**H. Einsele** (Wurzburg, G)  
Blinatumomab 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** (Turin, I)  
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** (Turin, I)  
**Educational session:** Constellation of molecular pathways and targets

10.40 - 10.55

**E. Tiacci** (Perugia, I)  
Molecular basis for a targeted therapy in hairy cell leukemia

10.55 – 11.00

Discussion

11.00 – 11.15	<b>G. Gaidano</b> (Novara, I) Targeting PI3-k and Bruton's TKI in lymphoproliferative disorders
11.15 – 11.20	Discussion
11.20 – 11.35	<b>A. Vannucchi</b> (Florence, I) JAK2 and mTOR inhibitors in myeloproliferative disorders
11.35 – 11.40	Discussion
11.40 – 11.55	<b>G. Martinelli</b> (Bologna, I) SMO Nutlin FLT3 inhibitors
11.55 – 12.00	Discussion
12.00 – 12.15	<b>C. Dufour</b> (Genoa, I) New Tragets in childhood AML
12.15 – 12.30	<b>S. Rutella</b> (Rome, I) New drugs in childhood ALL
12.30 – 12.35	Discussion
12.35 – 12.50	<b>P. Ghia</b> (Milan, I) BCL2 inhibitors in hematological malignancies
12.50 – 12.55	Discussion
12.55 – 13.10	<b>L. Moretta</b> (Genoa, I) Take home messages



## GENERAL INFORMATION

### Meeting venue

The Congress will take place at Badia Benedettina, Via Romana della Castagna, 11/A - Genoa (Italy).

### Secretariat during the Meeting

The Secretariat will be open at the following times:

Thursday, April 18<sup>th</sup>, from 4.00 p.m. to 7.00 p.m.

Friday, April 19<sup>th</sup>, from 8.00 a.m. to 7.00 p.m.

Saturday, April 20<sup>th</sup>, from 8.00 a.m. to 1.00 p.m.

### Official language

The official language of the Meeting will be English. Simultaneous translation will not be provided.

### Registration

Meeting attendance is free of charge. Please return the Registration form to:

**AVEC S.r.l. - Incentive Paintings - Angela Volpe / Claudia Cislighi**

Via Lavoratori Autobianchi, 1 - c/o Polo Tecnologico Brianza - Edificio 9 - Ufficio 14

I-20832 Desio (MB), Italy

Phone: +39 0362 581579 – Fax: +39 0362 544211

E-mail: [angela.avec@innopharma.it](mailto:angela.avec@innopharma.it) / [claudia.avec@innopharma.it](mailto:claudia.avec@innopharma.it)

### CME credits

CME credits will be applied by the Italian Health Authority for Italian physicians.

### Technical facilities

Facilities will be available for computer presentations and overhead projections.

A slide center with PC (Windows and MAC) will be available to check and preview presentations.

Speakers are requested to give a copy of their presentation on USB memory stick, CD or DVD to the technicians at the slide center at least one hour before the session.

### Opening hours of the slide center:

Thursday, April 18<sup>th</sup>, from 4.00 p.m. to 7.00 p.m.

Friday, April 19<sup>th</sup>, from 8.00 a.m. to 7.00 p.m.

Saturday, April 20<sup>th</sup>, from 8.00 a.m. to 1.00 p.m.

### Lunches and coffee breaks

Lunches and coffee breaks will be served in the Meeting area.

### Abstracts book

Participants will receive the Abstract book at the Meeting.

### Certificate of attendance

Certificates of Attendance will be issued at the registration desk following full attendance of the Symposium



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### REGISTRATION FORM

Family name \_\_\_\_\_

First name \_\_\_\_\_

Title \_\_\_\_\_ Institute/Organization \_\_\_\_\_

Professional area \_\_\_\_\_

Mailing address \_\_\_\_\_

Postal code \_\_\_\_\_

City \_\_\_\_\_ Country \_\_\_\_\_

Telephone \_\_\_\_\_ Fax \_\_\_\_\_

e-mail \_\_\_\_\_

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Date \_\_\_\_\_

Signature \_\_\_\_\_