Istituto Giannina Gaslini
Ospedale Pediatrico IRCSS

STEM CELLS, CANCER, IMMUNOLOGY AND AGING

Genoa (Italy), February 12-14, 2015

Organized by
ISTITUTO GIANNINA GASLINI

Promoted by

FONDAZIONE
INTERNAZIONALE
MENARINI

PROGRAM

Acquario di Genova
Area Porto Antico – Ponte Spinola

The meeting aims to cover some of the most interesting results that have emerged in the last years in the field of ***Stem Cells, Cancer, Immunology and Aging.***

We hope to provide the participants with information likely to become soon part of the fundamental scientific knowledge as well as of therapeutic strategies. In this perspective, the meeting also focuses on the efforts that Health Services will have to face and implement in the near future.

We have been fortunate enough to have some of the most worldwide recognized scientific experts in their fields and we hope the scientific community will receive the program with enthusiasm.

No registration fee is required for this meeting.

Looking forward to welcoming you in Genoa.

Presidents of the Meeting

Prof. Francesco Frassoni
Prof. Lorenzo Moretta
Prof. Franco Locatelli

With the Patronage of

E.F.I.S. - European Federation of Immunological Societies

S.I.E. – Società Italiana Ematologia

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

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

A.I.O.M. – Associazione Italiana di Oncologia Medica

GITMO - Gruppo Italiano per il Trapianto di Midollo Osseo

E.B.M.T. – European Group for Blood and Marrow Transplantation

Presidents of the Meeting

Lorenzo Moretta, Franco Locatelli, Francesco Frassoni
Istituto G. Gaslini, Genova – Ospedale Bambino Gesù, Roma

Scientific Secretariat

Francesco Frassoni
Lorenzo Moretta
Franco Locatelli
Riccardo Haupt

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E-mail: angela.volpe@avec-eventi.com / claudia.cislaghi@avec-eventi.com

02.30 p.m. - 02.40 p.m. **F. Frassoni** (Genoa, I)
Opening and Introductory remarks

02.40 p.m. - 06.30 p.m. **Session I - Immunotherapy 1 – CAR The promise maintained**

Part 1

Chairpersons: **F. Locatelli** (Rome, I)
L. Moretta (Genoa, I)

02.40 p.m. - 03.20 p.m. Opening Lecture:
D. Barrett (Philadelphia, USA)
The achievements and developments of CAR-T cells in Leukemia

Part 2

Chairpersons: **V. Pistoia** (Genoa, I)
A. Bacigalupo (Genoa, I)

03.20 p.m. - 03.45 p.m. **E. Biagi** (Monza, I)
CAR-T Problems of Production and Implementation

03.45 p.m. - 04.10 p.m. **C. Quintarelli** (Rome, I)
T cell therapy for ALL and Neuroblastoma

04.10 p.m. - 04.35 p.m. **C. Bonini** (Milan, I)
Harnessing T cell response

04.35 p.m. - 05.00 p.m. **A. Bacigalupo** (Genoa, I)
New strategies for allogeneic HSC transplantation

Part 3

Chairpersons: **D. Barrett** (Phildelphia, USA)
E. Biagi (Monza, I)

05.00 p.m. - 05.45 p.m. Panel discussion: **D. Barrett** (Phildelphia, USA), **F. Locatelli** (Rome, I), **E. Biagi** (Monza, I), **G. Martinelli** (Bologna, I), **F. Bonifazi** (Bologna, I), **E. Lanino** (Genoa, I), **F. Frassoni** (Genoa, I), **L. Moretta** (Genoa, I)

- Will CAR T cells will replace the transplant?
- Will Pharmaceutical Industries provide this therapy for every patient?

Part 4

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

05.45 p.m. - 06.15 p.m. **A. Aiuti** (Milan, I)
Gene Therapy. State of the Art

06.15 p.m. ***Welcome Ceremony***

08.30 a.m. - 09.45 a.m. **Session II - Immunotherapy 2 – the NK cell evolving concept**

Chairpersons: **M. C. Mingari** (Genoa, I)
C. Bottino (Genoa, I)

08.30 a.m. - 08.45 a.m. **A. Moretta** (Genoa, I), **M. Della Chiesa** (Genoa, I)
Role of activating HLA Class I-specific receptors and HCMV in NK cell maturation after HSCT

08.45 a.m. - 09.00 a.m. **L. Moretta** (Genoa, I), **E. Montaldo** (Genoa, I)
Innate Lymphoid Cells

09.00 a.m. - 09.15 a.m. **M. Falco** (Genoa, I)
Analysis of KIR gene profile in Haploidentical Hematopoietic Transplantation

09.15 a.m. - 09.45 a.m. **F. Locatelli** (Rome, I)
NK cells in the evolution of transplant approaches

09.45 a.m. - 10.00 a.m. *Coffee break*

10.00 a.m. - 12.40 p.m. **Session III - Stem Cells and IPS**

Chairpersons:	**J.C. Izpisua Belmonte** (La Jolla, USA) **F. Frassoni** (Genoa, I)
10.00 a.m. - 11.00 a.m.	Special Session: how to build a research based on iPS. Young Investigators present their experiences and their projects: **V. Gaidano** (Turin, I) **S. Volpi** (Genoa, I)
11.00 a.m. - 11.45 a.m.	Lecture: **J.C. Izpisua Belmonte** (La Jolla, USA) iPS and methods to rejuvenate cells
Chairpersons:	**F. Zara** (Genoa, I) **R. Ravazzolo** (Genoa, I)
11.45 a.m. - 12.10 p.m.	**M. Bonafè** (Bologna, I) The common biology of cancer and aging
12.10 p.m. - 12.40 p.m.	**C. Florian** (Ulm, G) Hematopoietic Stem Cells Aging and Rejuvenation
12.40 p.m. - 01.20 p.m.	**J.C. Izpisua Belmonte** (La Jolla, USA) Perspectives in regenerative medicine
01.20 p.m. - 02.20 p.m.	*Lunch*

Chairperson:	**F. Frassoni** (Genoa, I)
02.20 p.m. - 02.50 p.m.	**A. Aiuti** (Milan, I) Clonal Mapping of Hematopoiesis in Vivo in Humans By Retroviral Vector Insertional Barcoding
02.50 p.m. - 06.20 p.m.	**Session IV - Perspective of translational research in childhood cancer**
Chairpersons:	**C. Dufour** (Genoa, I), **A. Garaventa** (Genoa, I)
02.50 p.m. - 03.20 p.m.	**P. Kearns** (Birmigham, UK) From basic research to clinical trial
03.20 p.m. - 03.50 p.m.	**R. Haupt** (Genoa, I) Long-term consequences of Cancer Therapy The Survivorship Pass-Port
03.50 p.m. - 04.10 p.m.	*Coffee break*
Chairpersons:	**F. Fagioli** (Turin, I) **R. Haupt** (Genoa, I)
04.10 p.m. - 04.40 p.m.	**P. Kearns** (Birmigham, UK) New treatment strategies for childhood cancer
04.40 p.m. - 05.40 p.m.	**P. Kearns** (Birmigham UK), **L. Moretta** (Genoa, I), **F. Frassoni** (Genoa, I), **R. Haupt** (Genoa, I), **F. Locatelli** (Rome, I), **F. Fagioli** (Turin, I), **M. Aglietta** (Turin, I), **A. Sobrero** (Genoa, I), **S. Traspedini** (ABEO) Panel Discussion: Cancer Treatment The challenge of new complex and expensive technologies
05.40 p.m. - 06.00 p.m.	Summing up: **P. Kearns** (Birmigham, UK)
06.00 p.m. - 06.20 p.m.	**P. Kearns** (Birmingham, UK) Cross border dimension of reference centers across Europe

08.30 a.m. - 11.15 a.m.	**Session V - Issues in Cancer Therapy**
Chairpersons:	**A. Biondi** (Monza, I) **F. Fagioli** (Turin, I)
08.30 a.m. - 09.00 a.m.	**A. Biondi** (Monza, I) Heterogeneity of Leukemic Cells: implication for treatment
09.00 a.m. - 10.00 a.m.	**M. Aglietta** (Turin, I), **A. Sobrero** (Genoa, I), **R. Haupt** (Genoa, I) Round table: What adult oncologists have to learn from pediatric oncology
10.00 a.m. - 10.20 a.m.	**S. Traspedini** (ABEO - Genoa, I) Should parents of children with cancer be part of the board judging the research grant applications?
10.20 a.m. - 11.00 a.m.	**M. Aglietta** (Turin, I), **F. Fagioli** (Turin, I), **P. Kearns** (Birmigham, UK), **A. Biondi** (Monza, I), **A. Sobrero** (Genoa, I) Round Table: The cost of cancer therapy
11.00 a.m. - 11.15 a.m.	Concluding Remarks
11.15 a.m.	*Brunch*

GENERAL INFORMATION

Meeting venue
Acquario di Genova, Area Porto Antico – Ponte Spinola - 16128 Genova (Italy).

Registration hours
Opening hours:
Thursday, 12 February: from 02.00 p.m. to 06.30 p.m.
Friday, 13 February: from 08.00 a.m. to 06.20 p.m.
Saturday, 14 February: from 08.00 a.m. to 11.15 a.m.

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

Registrations
No registration fee is required for this meeting. Please return the registration form to: **AVEC S.r.l. - Incentive Paintings - Angela Volpe / Claudia Cislaghi**
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 1860074.
E-mail: angela.volpe@avec-eventi.com / claudia.cislaghi@avec-eventi.com

CME Accreditation
The application for CME accreditation has been submitted with **11,3 credits** for Italian Physicians (Allergology and Clinical Immunology, Hematology, Internal Medicine, Oncology, Pediatrics, General Medicine), **Pharmacist** (Hospital and Territorial Pharmacy) and **Biologist**. The CME credits will be awarded only after full attendance of all sessions. Completion of the Registration Form, the Learning & Assessment questionnaires are compulsory.

Technical facilities
Facilities will be available for computer presentations and overhead projections.
A business center with PC (Windows and MAC) will be available to check and preview presentations. Speakers are required 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.

Slide Centre
Opening hours:
Thursday, 12 February: from 02.00 p.m. to 06.30 p.m.
Friday, 13 February: from 08.00 a.m. to 06.20 p.m.
Saturday, 14 February: from 08.00 a.m. to 11.15 a.m.

Lunches and coffee breaks
Lunches and coffee breaks will be provided within the conference premises.

Abstracts book
The participants will receive the Abstracts Book at the conference.

Attendance certificate
Certificate of attendance will be issued at the registration desk following full attendance of the meeting.

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Promoted by

FONDAZIONE INTERNAZIONALE MENARINI

☐ **Physician** ☐ **Postgraduate**

Surname		Name
Title		Professional area
Institute		
Address		
City	Postcode	Country
Telephone	Mobile	Fax
E-mail		

Attendance at the Meeting is free of charge. Please return the registration form to:
AVEC S.r.l. - Incentive Paintings - Angela Volpe / Claudia Cislaghi
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 1860074
E-mail: **claudia.cislaghi@avec-eventi.com**

Date	**Signature**

RE: Informative note pursuant to art. 13 of Legislative Decree 196/2003

Dear Client, this is to inform you that the processing of your personal data will be carried out in our company in full compliance with Law /2003. As established by this law, the processing will be based on the principles of correctness, lawfulness and transparency in order to protect your confidentiality and rights.

1) Pursuant to art. 13 we inform you that the data collected will be used for the following purposes:
- ***a.*** Organization of events, travel incentives, congresses and conventions: performance of bureaucratic procedures, reservation of tickets for transport, hotels, tourist services; organisational logistics, etc., and/or performance of accreditation procedures (ECM);
- ***b.*** Taxation and accounting obligations;
- ***c.*** Operational and managerial requirements;
- ***d.*** Possible forwarding of informative and promotional material relating to our sector in printed form or electronically.

2) For data required to fulfil obligations envisaged by law, regulations and Community legislation or provisions issued by legally empowered authorities and vigilance and control bodies, and to perform our business activities and fulfil our accounting, taxation and corporate organisational obligations, we are not required to obtain your consent and failure to provide such data will make it impossible to continue the relationship to the extent that said data are necessary for performance of the same.
The purchase of products and services marketed by AVEC SRL enables the latter to forward informative, advertising and promotional material relating to its sector of expertise in compliance with the methods indicated in point 1/d), pursuant to art. 130 subsection 4 of Legislative Decree 196/2003 and point 6 of the provision 'Simplification of certain requirements in the public and private domain concerning data processing for administrative and accounting purposes' - 19 June 2008 *Gazzetta Ufficiale* (Official Bulletin) no. 152 dated 1 July 2008. Should you decide to object to the processing operations for commercial purposes, said refusal/objection will not have any consequences of any kind. The providing of personal data in order to receive advertising and informative material relating to our area of expertise either in printed form or electronically is entirely optional. Should you decide to object to the processing operations for commercial purposes, said refusal/objection will not have any consequences of any kind.

3) The personal data are processed by the persons in charge who are assigned to said processing in order to ensure correct fulfilment of the purposes indicated in point 1) via electronic instruments and printed files, also via use of safety measures aimed at guaranteeing the confidentiality of the personal data and preventing undue access by unauthorised subjects. Said data will not be subject to disclosure.
Data may be disclosed to the following subjects in their capacity as autonomous data processing controllers and/or in charge of external processing:
- accountants for bookkeeping and taxation obligations;
- attorneys for legal assistance for contractual purposes and management of litigation;
- entities/companies which collaborate with our company in the various sectors, for reasons strictly connected to the purposes set forth in point 1;
- banks and credit institutions.

You may contact the processing controller and persons in charge in order to exercise your rights as set forth in article 7 of Legislative Decree no. 196/2003, that is, the confirmation of the existence or otherwise of the data concerning you, the erasure, anonymization and blocking of data that has been processed unlawfully, the updating, rectifying or integrating of data, certification to the effect that the operations have been notified to the entities to whom or which said data were communicated or disseminated. The right to object to the processing of personal data for the commercial purposes set forth in point 1 d), where it is carried out via automated contact means, shall also be extended to traditional means without prejudice to the possibility for the interested party to exercise this right in part, pursuant to art. 7, subsection 4, letter b), of the Code, that is, by only objecting for example to the sending of promotional communications with the help of automated means. All requests may be forwarded by email to*: info@avec-eventi.com* by phone to*: 0362/ 581579* , or by fax to *0362/1860074.*

4) The data controller is: ***AVEC SRL Via Lavoratori, Autobianchi, 1 - Lotto 9/Uff.14 - 20832 – Desio (MB)***

5) The person in charge of the processing is*: **Volpe Angela***

The purchase of products and services marketed by AVEC SRL enables the latter to forward informative, advertising and promotional material relating to its sector of expertise, as set forth in point 1 d), by email or in printed form and also by means of automated systems, pursuant to point 6 provision *'Simplification of certain requirements in the public and private domain concerning data processing for administrative and accounting purposes' - 19 June 2008 Gazzetta Ufficiale (Official Bulletin) no. 152 dated 1 July 2008.*

❏ **<u>If you do not wish to receive such material mark a cross in the box alongside and send this informative note back to us by email or fax duly signed and stamped.</u>** The interested party's right to object to the processing of personal data for the commercial purposes set forth in point 1 d), where it is carried out via automated contact means, shall also be extended to traditional means without prejudice to the possibility for the interested party to exercise this right in part, pursuant to art. 7, subsection 4, letter b), of the Code, that is, for example by only objecting to the sending of promotional communications with the help of automated means. Therefore, in the case of any objections, we invite you to specify in detail*, whether you intend to totally object to the purposes in 1/e, or only to some of the methods (e.g. objection to sending by fax or email etc.). In case of a general objection then you will not be contacted personally, telephonically or by email in relation to the promotional activities and initiatives proposed by the company.

*REMARKS:_____ Signature for acceptance_____

LIST OF SPEAKERS, DISCUSSANTS, CHAIRPERSONS AND CO-PRESIDENTS OF THE MEETING

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