The Future of Medicine Starts Now
How Science and New Technology are reshaping Health Science

Genoa (Italy), June 29th-30th, 2017

Organised by:
ISTITUTO GIANNINA GASLINI

PRELIMINARY PROGRAMME

Promoted by:

PALAZZO DELLA MERIDIANA
Salita San Francesco, 4 - 16124
Genoa
Introduction

Why attending this meeting?

Together with Menarini Foundation this year we created a new format of the meeting. We named it “The Future of Medicine Starts Now”.
The continuous introduction into the field of new approaches give to all of us the impression that every year a new era is starting. Sophisticated technological tools enter with very fast pace in the practice and are rapidly translated into therapeutic possibilities.
Most of what will be presented and discussed is converging into what is generally defined as “Precision Medicine”.
We have assembled a number of worldwide famous Speakers that are absolute leaders in their field.
We are very proud that they have accepted to participate in this meeting that aims to encompass many of the new formidable potentialities of biomedicine. The Speakers will present also a glance on the next 10 years scientific-technological-therapeutic developments.
At the same time, we wanted to have Speakers that show how Health Authorities are organising and implementing Precision Medicine at NHS level. Thus, this meeting is not only for Scientists or Clinicians but also for Administrators.
It does not occur very often that, in only two days, you can learn so much in the field of biomedical science with no registration fee.
We therefore hope that our effort will convince many people to participate.
We are ready to welcome you in Genoa at end of June 2017.

 Presidents of the Meeting

Prof. Francesco Frassoni and Prof. Alberto Martini
With the Patronage of

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

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

GITMO - Gruppo Italiano per il Trapianto di Midollo Osseo

S.I.E.S. – Società Italiana Ematologia Sperimentale – TO BE CONFIRMED
S.I.E. - Società Italiana Ematologia – TO BE CONFIRMED
E.B.M.T. – European Group for Blood and Marrow Transplantation – TO BE CONFIRMED
E.S.M.O. – European Society for Medical Oncology – TO BE CONFIRMED
E.H.A. – European Hematology Association – TO BE CONFIRMED

Presidents of the Meeting
Francesco Frassoni
Alberto Martini

Promoted by:
Fondazione Internazionale Menarini
Edificio L - Strada 6
Centro Direzionale Milonofiori
I-20089 Rozzano (Milan, Italy)
Phone: +39 02 55308110
Fax: +39 02 55305739
E-mail: milan@fondazione-menarini.it
Http:\www.fondazione-menarini.it

Organising Secretariat and CME Provider
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
01.50 p.m. – 02.00 p.m.  **F. Frassoni** (Genoa, IT), **A. Martini** (Genoa, IT)  
Opening and Introductory remarks

**Session I: Genome Sequencing, Modification and Interpretation**

Chairpersons:  **M. Delledonne** (Verona, IT), **A. Verri** (Genoa, IT)

02.00 p.m. – 02.30 p.m.  **M. Delledonne** (Verona, IT)  
Methods, instruments and results: the relevance of governing the machinery to address the right questions

02.30 p.m. – 03.00 p.m.  **A. Verri** (Genoa, IT)  
Governing the complexity of information

03.00 p.m. – 03.30 p.m.  **M. Piana** (Genoa, IT)  
The relevance of the intellectual environment for generating important research

03.30 p.m. – 04.00 p.m.  **M. Pezzotti** (Verona, IT)  
An introduction to epigenetics and DNA editing via a glass of wine

04.00 p.m. – 04.30 p.m.  **Coffee break**

**Session II: DNA analysis, Genome Manipulation and DNA Editing**

Chairpersons:  **F. Frassoni** (Genoa, IT), **A. Martini** (Genoa, IT)

04.30 p.m. – 05.30 p.m.  **J.C. Izpisua Belmonte** (La Jolla, US)  
Lecture: Rejuvenation vs Creation of new organs

05.30 p.m. – 06.00 p.m.  **L. Shlush** (Toronto, CA)  
Aging, clonal hematopoiesis and preleukemia

06.00 p.m. – 06.30 p.m.  **Mo Li** (Kaust, SA)  
Perspectives of single cell genome analysis

06.30 p.m. – 07.00 p.m.  **R. Lovell-Badge** (London, UK)  
DNA manipulation and DNA editing. The revolution that will change the future of Medicine

07.00 p.m.  Welcome Ceremony
Friday, June 30th, 2017 – Morning

**Session III: How therapeutic approaches change in the new era of New Medicine**

Chairpersons: M. Melazzini (Rome, IT), A. Martini (Genoa, IT)

09.00 a.m. – 09.30 a.m. P. Kearns (Birmigham, UK)
How to develop clinical trials in the new era of medicine

09.30 a.m. – 10.00 a.m. R. Sharpe (London, UK)
How UK is tackling the challenge of implementing precision medicine

10.00 a.m. – 10.30 a.m. G. FitzGerald (Philadelphia, US)
Future perspective in translational medicine

10.30 a.m. – 11.00 a.m. Coffee break

11.00 a.m. – 11.30 a.m. G. Remuzzi (Bergamo, IT)
Nephrology: a glance over the future

11.30 a.m. – 12.00 a.m. M. Viceconti (Sheffield, UK)
Big data analysis and Virtual Physiological Human

12.00 a.m. – 12.30 p.m. M. Melazzini (Rome, IT)
New challenges for regulatory agencies

12.30 p.m. – 01.30 p.m. Buffet Lunch

Friday, June 30th, 2017 – Afternoon

**Session IV: The new Era of Gene and Cellular Therapy**

Chairpersons: M. Sadelain (New York, US), J.C. Izpisua Belmonte (La Jolla, US)

01.30 p.m. – 02.00 p.m. A. Aiuti (Milan, IT)
Gene Therapy

02.00 p.m. – 02.30 p.m. A. Bondanza (Milan, IT)
CAR-T for cancer autoimmune and inflammatory disease

02.30 p.m. – 03.00 p.m. M. Sadelain (New York, US)
Chimeric antigen receptors: driving immunology towards synthetic biology
03.00 p.m. – 03.30 p.m.  J.C. Izpisua Belmonte (La Jolla, US)
New methods for DNA editing and delivering

03.30 p.m. – 04.00 p.m.  Coffee break

Session V: New diagnostic tools

Chairpersons:  R. Cingolani (Genoa, IT), A. Martini (Genoa, IT)

04.00 p.m. – 04.30 p.m.  R. Cingolani (Genoa, IT)
Frontier of nanotechnology for health

04.30 p.m. – 05.00 p.m.  R. S. Blumberg (Boston, US)
How colonization by microbiota in early life shapes the immune system

05.00 p.m. – 05.30 p.m.  A. V. Chervonsky (Chicago, US)
Microbiota and autoimmunity

05.30 p.m. – 06.00 p.m.  K. Pantel (Hamburg, DE)
Status of the art and considerations for implementation of cancer molecular diagnostics into clinical care

06.00 p.m. – 06.30 p.m.  G. Scita (Milan, IT)
The natural history of metastases and the similarities and differences between “liquid” and “solid” tumors

06.30 p.m.  Closing remarks
GENERAL INFORMATION

Meeting venue
PALAZZO DELLA MERIDIANA
Salita San Francesco, 4 – 16124 – Genoa (Italy)

Registration hours:
Thursday, June 29th: 12.50 p.m. – 07.00 p.m.
Friday, June 30th: 08.00 a.m. – 06.30 p.m.

Official language
English. Simultaneous translation will not be provided.

Registrations
No registration fee is required to attend the Conference. Please return the registration form to:
AVEC S.r.l. - Incentive Paintings
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: info@avec-eventi.com

Congress website
www.ReshapeHealthScience2017.com

Accreditation
An application has been made for Continuing Medical Education (CME) accreditation of this event by Avec to the following institutions:
- European Accreditation Council for Continuing Medical Education (EACCME)
- Italian Accreditation for Continuing Medical Education (ECM)

Continuing Medical Education (CME) Credits
Each participant should claim only those hours of credit that have actually been spent in the educational activity (EACCME).

Technical facilities
A Slide Centre with PCs (Windows and Macintosh operating systems) will be available for Speakers to preview and finalise their presentations. Speakers are kindly requested to submit their presentations on USB flash drive to the Slide Centre technicians at least one hour before their talks.

Slide Centre opening hours:
Thursday, June 29th: 12.50 p.m. – 07.00 p.m.
Friday, June 30th: 08.00 a.m. – 06.30 p.m.

Lunch and coffee breaks
Lunch and coffee breaks will be provided at the Conference premises.
Abstract book
Participants will receive the Abstract book at the Conference.

Attendance certificate
The attendance certificate will be issued at the accreditation desk following full attendance at the Conference.
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Genoa (Italy), June 29th-30th, 2017

Promoted by:

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I-20832 Desio (MB), Italy
Tel.: +39 0362 581579 – Fax: +39 0362 1860074
E-mail: info@avec-eventi.com

Date | Signature
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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 fulfill 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 fulfill 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 GazzettaUfficiale (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 GazzettaUfficiale (Official Bulletin) no. 152 dated 1 July 2008.
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. 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.

Notice pursuant to art. 13 of D. Lgs. no. 196/2003

Avec and Fondazione Internazionale Menarini, as data controllers, informs you that any personal data you provide, or any data lawfully received by third parties, will be used in connection to your participation to the Congress and/or to provide you with information regarding any other compatible activities organized by us . Your image, taken during the event, may be reproduced in videos and photos of the event and published on the website and social networks of Fondazione Internazionale Menarini (and on the website and social networks of the event, if any)

Data treatment shall mean any operation, or set of operations, carried out with or without the help of electronic or automated means, and must guarantee the confidentiality and security of your personal data.

Avec and Fondazione Internazionale Menarini, as data controllers may avail itself, to carry out any of the following procedures: press releases, communications to clients, data processing and computer-based consultation. The data can be communicated to scientific associations, public or private agencies related to CME , financial and banking intermediaries, as well as companies participating to the event with promotional functions compatible with the purposes for which the data have been collected.

The provision of your personal data for purposes related to your participation to the congress, including the publishing of images, is obligatory, but refusal will prevent your participation to the congress. Otherwise, said provision aimed at sending free documentation for other initiatives of Fondazione Internazionale Menarini or Avec is optional, but refusal will not allow you to be informed on future training events conducted by us.

You have the right in any moment to access, correct, integrate, refuse the treatment pursuant to section 7 of the Legislative Decree no. 196 of 30 June 2003 addressing any requests to: AVEC Vial Lavoratori Autobianchi 1 20832 Desio (MB) or to Fondazione Menarini Centro Direzionale Milanofiori 20089 Rozzano (MI) Edificio L - Strada 6

I have read the above data protection notice and I agree with its terms.

Date:___________________________

Signature for acceptance_______________________________