

Co-organized by



FONDAZIONE  
INTERNAZIONALE  
MENARINI



UNIVERSITÀ DEGLI STUDI  
DI GENOVA



# THE FUTURE OF MEDICINE STARTS NOW 2019 (2<sup>nd</sup> edition)

*Venue: Porto Antico di Genova - Centro Congressi Genoa*



GENOA (ITALY), SEPTEMBER 26<sup>th</sup>-27<sup>th</sup>, 2019



## WELCOME LETTER

Why attending this meeting?

In 2017 we organized a meeting that we named “The Future of Medicine Starts Now”. The purpose was to discuss the new sophisticated technologies that very rapidly are paving the way to major new diagnostic and therapeutic opportunities and are producing a substantial revolution in medicine.

Given the success of the previous meeting we decided, together with Menarini Foundation, to organize this second edition that accordingly we have named “The Future of Medicine Starts Now 2019 (2<sup>nd</sup> edition)”.

This year the program includes new topics as well as updates of the previous ones.

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 cover many of the new formidable potentialities of biomedicine. Lectures will encompass various topics including genomic, genetic engineering, gene therapy and rejuvenation. Lectures will also cover the 4 P medicine: Predictive, Preventive, Personalized and Participatory. These approaches together with lectures on systems and simulation medicine will give the future perspective of the new healthcare sector that will have a big impact on our Society. Moreover there will be a round table on the organization of life science research Institutions.

A particular attention will be given to inflammation and to its major role in the pathogenesis of a very vast array of diseases.

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 will be ready to welcome you in Genoa at end of September 2019.

Presidents of the Meeting  
**Francesco Frassoni** and **Alberto Martini**

## WITH THE PATRONAGE OF



**S.I.E.S.**

Società Italiana Ematologia  
Sperimentale



**A.I.E.O.P.**

Associazione Italiana Ematologia  
Oncologia Pediatrica



European Federation of  
Immunological Societies

**E.F.I.S.**

European Federation  
of Immunological Societies



**A.I.O.M.**

Associazione Italiana  
di Oncologia Medica



**G.I.T.M.O.**

Gruppo Italiano per il Trapianto  
di Midollo Osseo

## PRESIDENTS OF THE MEETING

**Francesco Frassoni**  
**Alberto Martini**

### CO-ORGANIZED BY:

#### **Fondazione Internazionale Menarini**

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### ORGANIZING SECRETARIAT

#### **AVEC S.r.l. - Incentive Paintings**

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# PROGRAMME - PORTO ANTICO DI GENOVA - CENTRO CONGRESSI, GENOVA

## THURSDAY, SEPTEMBER 26<sup>th</sup>, 2019

10.15 a.m. 10.30 a.m.	<i>Welcome coffee</i>
10.30 a.m. 10.45 a.m.	<p><i>Welcome Address</i></p> <p><b>P. Petralia</b> General Manager Giannina Gaslini Scientific Institute of Genoa</p> <p><b>S. Viale</b> Vice President, Assessor for Health, Social Policies, Immigration and Emigration, Security - Liguria Region</p> <p><i>Introduction</i></p> <p><b>F. Frassoni</b> (Genoa, IT), <b>A. Martini</b> (Genoa, IT)</p>
10.45 a.m. 11.15 a.m.	<p><b>L. Luzzatto</b> (Dar es Salaam, TZ) Changing Scenarios in Medicine</p>

### SESSION I - NEW PERSPECTIVES IN MEDICINE

Chairpersons:	<b>E. Angelucci</b> (Genoa, IT), <b>G. Sambuceti</b> (Genoa, IT)
11.15 a.m. 11.45 a.m.	<p><b>M. Delledonne</b> (Verona, IT) Genome Sequencing Technology Assessment</p>
11.45 a.m. 12.15 p.m.	<p><b>R. Sharpe</b> (London, UK) Precision Medicine: the Project at NHS</p>
12.15 p.m. 12.45 p.m.	<p><b>T. Green</b> (Cambridge, UK) JAK/STAT signalling, stem cell subversion and human clonal dynamics</p>
12.45 p.m. 01.15 p.m.	<p><b>L. Shlush</b> (Toronto, CA) Identifying individual at risk of developing AML years before the onset of the disease</p>
01.15 p.m. 02.15 p.m.	<i>Lunch</i>
Chairpersons:	<b>P. Pronzato</b> (Genoa, IT), <b>G. Ciliberto</b> (Rome, IT)
02.15 p.m. 02.45 p.m.	<p><b>S. Ravera</b> (Genoa, IT) Changes in glucose metabolism define aging</p>
02.45 p.m. 03.15 p.m.	<p><b>M. O'Reilly</b> (London, UK) CAR T Cell</p>
03.15 p.m. 03.45 p.m.	<p><b>A. Aiuti</b> (Milan, IT) The future of gene therapy</p>
03.45 p.m. 04.15 p.m.	<i>Coffee Break</i>
Chairpersons:	<b>F. Frassoni</b> (Genoa, IT), <b>A. Martini</b> (Genoa, IT)
04.15 p.m. 06.15 p.m.	<p><i>Round Table: How to organize a Life Sciences Research Institute</i></p> <p><b>G. Ciliberto</b> (Rome, IT), <b>T. Green</b> (Cambridge, UK), <b>G. Merlini</b> (Pavia, IT), <b>A. Uccelli</b> (Genoa, IT)</p>

## FRIDAY, SEPTEMBER 27<sup>th</sup>, 2019

Chairpersons:	<b>M. Piana</b> (Genoa, IT), <b>A. Verri</b> (Genoa, IT)
09.00 a.m. 10.30 a.m.	<i>Round table: Data analysis and simulation in Biomedicine</i> <b>A. Hamblin</b> (Oxford, UK), <b>M. Lorenzi</b> (Sophia Antipolis, FR), <b>A. M. Quarteroni</b> (Milan, IT)
10.30 a.m. 11.00 a.m.	<i>Coffee Break</i>

### SESSION II - INFLAMMATION - PART 1

Chairpersons:	<b>M. Gattorno</b> (Genoa, IT), <b>S. Gordon</b> (Oxford, UK)
11.00 a.m. 11.30 a.m.	<b>M. Netea</b> (Nijmegen, NL) Inflammation and metabolic disease
11.30 a.m. 12.00 p.m.	<b>C. Garlanda</b> (Milan, IT) The IL-1 family
12.00 p.m. 12.30 p.m.	<b>S. Gordon</b> (Oxford, UK) Macrophages as orchestrators of homeostasis and inflammation across diseases
12.30 p.m. 01.00 p.m.	<b>M. Perretti</b> (London, UK) Resolution of inflammation
01.00 p.m. 02.00 p.m.	<i>Lunch</i>

### SESSION III - REJUVENATION AND BIG DATA

02.00 p.m. 03.00 p.m.	<b>J. C. Izpisua Belmonte</b> (La Jolla, CA) Keynote Lecture: Aging and Organ Regeneration
03.00 p.m. 03.30 p.m.	<i>Coffee Break</i>

## FRIDAY, SEPTEMBER 27<sup>th</sup>, 2019

### SESSION IV - INFLAMMATION - PART 2

Chairpersons:	<b>M. Cutolo</b> (Genoa, IT), <b>M. Perretti</b> (London, UK)
03.30 p.m. 04.00 p.m.	<b>P. Allavena</b> (Milan, IT) Inflammation and cancer
04.00 p.m. 04.30 p.m.	<b>M. Matteoli</b> (Milan, IT) Inflammation and the nervous system
04.30 p.m. 05.00 p.m.	<b>M. Cutolo</b> (Genoa, IT) Inflammation and rheumatoid arthritis
05.00 p.m. 05.30 p.m.	<b>M. Gattorno</b> (Genoa, IT) Autoinflammatory diseases
05.30 p.m. 05.45 p.m.	Conclusions

## GENERAL INFORMATION

### CONGRESS VENUE

Porto Antico di Genova - Centro Congressi  
Via Magazzini del Cotone  
Modulo 8 (Scirocco Meeting Room - 3<sup>rd</sup> level)  
16128 Genoa (Italy)

### REGISTRATION HOURS

Thursday, September 26<sup>th</sup>: 09.15 a.m. – 06.15 p.m.  
Friday, September 27<sup>th</sup>: 08.00 a.m. – 05.45 p.m.

### OFFICIAL LANGUAGE

English. Simultaneous translation will not be provided.

### REGISTRATIONS

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

### 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, September 26<sup>th</sup>: 09.15 a.m. – 06.15 p.m.  
Friday, September 27<sup>th</sup>: 08.00 a.m. – 05.45 p.m.

### LUNCH AND COFFEE BREAKS

Lunch and coffee breaks will be provided at the Conference premises.

### ATTENDANCE CERTIFICATE

The attendance certificate will be provided on-site upon request at the Registration Desk.



## FACULTY LIST

### **AIUTI Alessandro**

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