THE FUTURE OF MEDICINE STARTS NOW 2019 (2nd edition)

Venue: Porto Antico di Genova - Centro Congressi Genoa
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 (2nd 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. Lectures will encompass various topics including genomic, genetic engineering, gene therapy, rejuvenation, system biology and “in silico” medicine in the frame of the 4 P medicine: Predictive, Preventive, Personalized and Participatory. A round table will focus on the organization of life science research Institutions and a section will be devoted 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 are ready to welcome you in Genoa at end of September 2019.

Presidents of the Meeting
Francesco Frassoni and Alberto Martini
WITH THE PATRONAGE OF

A.I.E.O.P.
Associazione Italiana Ematologia Oncologia Pediatrica

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

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

G.I.T.M.O.
Gruppo Italiano per il Trapianto di Midollo Osseo

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

PRESIDENTS OF THE MEETING
Francesco Frassoni
Alberto Martini

CO-ORGANIZED BY:
Fondazione Internazionale Menarini
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Fax: +39 02 55305739
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Http:\www.fondazione-menarini.it

ORGANIZING SECRETARIAT
AVEC S.r.l. - Incentive Paintings
Via Lavoratori Autobianchi, 1 - c/o Polo Tecnologico Brianza
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20832 Desio (MB, Italy)
Phone: +39 0362 581579 – Fax: +39 0362 1860074
E-mail: angela.volpe@avec-eventi.com – info@avec-eventi.com
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
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<tbody>
<tr>
<td>10.15 a.m.</td>
<td><strong>Welcome coffee</strong></td>
</tr>
<tr>
<td>10.30 a.m.</td>
<td><strong>Welcome Address</strong></td>
</tr>
</tbody>
</table>
| P. Petralia  
Genoa, IT  
General Manager  
Giannina Gaslini Scientific Institute of Genoa |
| S. Viale  
Genoa, IT  
Vice President, Assessor for Health, Social Policies, Immigration and Emigration, Security - Liguria Region |
| 10.45 a.m. | **Introduction**                                                       |
| F. Frassoni  
Genoa, IT |
| A. Martini  
Genoa, IT |
| 10.45 a.m. | **L. Luzzatto** (Dar es Salaam, TZ)                                    |
| 11.15 a.m. | **SESSION I - NEW PERSPECTIVES IN MEDICINE**                           |
| Chairpersons: | **P. Pronzato** (Genoa, IT), **G. Sambuceti** (Genoa, IT) |
| 11.15 a.m. | **M. Delledonne** (Verona, IT)                                         |
| 11.45 a.m. | Genome Sequencing Technology Assessment                                |
| 11.45 a.m. | **R. Sharpe** (London, UK)                                             |
| 12.15 p.m. | Precision Medicine: the Project at NHS                                 |
| 12.15 p.m. | **T. Green** (Cambridge, UK)                                            |
| 12.45 p.m. | JAK/STAT signalling, stem cell subversion and human clonal dynamics    |
| 12.45 p.m. | **L. Shlush** (Toronto, CA)                                             |
| 01.15 p.m. | Identifying individual at risk of developing AML years before the onset of the disease |
| 02.15 p.m. | **Lunch**                                                              |
| Chairpersons: | **E. Angelucci** (Genoa, IT), **G. Ciliberto** (Rome, IT) |
| 02.15 p.m. | **S. Ravera** (Genoa, IT)                                              |
| 02.45 p.m. | Changes in glucose metabolism define aging                            |
| 03.15 p.m. | **M. O’Reilly** (London, UK)                                           |
| 03.15 p.m. | CAR T Cell                                                             |
| 03.45 p.m. | **M. P. Cicalesse** (Milan, IT)                                        |
| 03.45 p.m. | The future of gene therapy                                             |
| 04.15 p.m. | **Coffee Break**                                                       |
| Chairpersons: | **F. Frassoni** (Genoa, IT), **A. Martini** (Genoa, IT) |
| 04.15 p.m. | **Round Table: How to organize a Life Sciences Research Institute**    |
| G. Ciliberto (Rome, IT), T. Green (Cambridge, UK), G. Merlini (Pavia, IT), A. Uccelli (Genoa, IT) |
**FRIDAY, SEPTEMBER 27th, 2019**

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**SESSION II - INFLAMMATION - PART 1**

<table>
<thead>
<tr>
<th>Chairpersons:</th>
<th>M. Gattorno (Genoa, IT), S. Gordon (Oxford, UK)</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.00 a.m.</td>
<td>M. Netea (Nijmegen, NL)</td>
</tr>
<tr>
<td>11.30 a.m.</td>
<td>Inflammation and metabolic disease</td>
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<tr>
<td>11.30 a.m.</td>
<td>C. Garlanda (Milan, IT)</td>
</tr>
<tr>
<td>12.00 p.m.</td>
<td>The IL-1 family</td>
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<tr>
<td>12.00 p.m.</td>
<td>S. Gordon (Oxford, UK)</td>
</tr>
<tr>
<td>12.30 p.m.</td>
<td>Macrophages as orchestrators of homeostasis and inflammation across diseases</td>
</tr>
<tr>
<td>12.30 p.m.</td>
<td>M. Perretti (London, UK)</td>
</tr>
<tr>
<td>12.30 p.m.</td>
<td>Resolution of inflammation</td>
</tr>
<tr>
<td>01.00 p.m.</td>
<td>Lunch</td>
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</tbody>
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**SESSION III - REJUVENATION AND BIG DATA**

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>02.00 p.m.</td>
<td>J. C. Izpisua Belmonte (La Jolla, CA)</td>
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<tr>
<td></td>
<td>Keynote Lecture: Aging and Organ Regeneration</td>
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<tr>
<td>03.00 p.m.</td>
<td>Coffee Break</td>
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<tr>
<td>03.30 p.m.</td>
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</table>
**Friday, September 27th, 2019**

**SESSION IV - INFLAMMATION - PART 2**

<table>
<thead>
<tr>
<th>Chairpersons:</th>
<th><strong>M. Cutolo</strong> (Genoa, IT), <strong>M. Perretti</strong> (London, UK)</th>
</tr>
</thead>
<tbody>
<tr>
<td>03.30 p.m.</td>
<td><strong>P. Allavena</strong> (Milan, IT)</td>
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<tr>
<td>04.00 p.m.</td>
<td>Inflammation and cancer</td>
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<tr>
<td>04.00 p.m.</td>
<td><strong>M. Matteoli</strong> (Milan, IT)</td>
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<tr>
<td>04.30 p.m.</td>
<td>Inflammation and the nervous system</td>
</tr>
<tr>
<td>04.30 p.m.</td>
<td><strong>M. Cutolo</strong> (Genoa, IT)</td>
</tr>
<tr>
<td>05.00 p.m.</td>
<td>Inflammation and rheumatoid arthritis</td>
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<tr>
<td>05.00 p.m.</td>
<td><strong>M. Gattorno</strong> (Genoa, IT)</td>
</tr>
<tr>
<td>05.30 p.m.</td>
<td>Autoinflammatory diseases</td>
</tr>
<tr>
<td>05.30 p.m.</td>
<td><strong>Conclusions</strong></td>
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GENERAL INFORMATION

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

REGISTRATION HOURS
Thursday, September 26th: 09.15 a.m. – 06.15 p.m.
Friday, September 27th: 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
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 26th: 09.15 a.m. – 06.15 p.m.
Friday, September 27th: 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.

ABSTRACT BOOK
Participants will receive the Abstract book at the Meeting.
ALLAVERNA Paola
Department of Immunology and Inflammation
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Amyloidosis Research and Treatment Center  
Biotechnology Research Laboratories  
Department of Molecular Medicine  
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Fondazione IRCCS Policlinico San Matteo  
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The William Harvey Research Institute  
Queen Mary University of London  
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Lausanne (Switzerland)

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SAMBUCETI Gianmario  
Nuclear Medicine  
IRCCS Policlinico San Martino  
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DIBRIS University of Genoa  
Genoa (Italy)