International Symposium

Pattern of Therapeutic Challenges in Pulmonology:
A Template for the Next Decade

Taormina - ME (Italy) • October 18th - 20th, 2018

Atahotel Capotaormina

President:
Prof. Giuseppe Girbino
We still have significant unmet needs in the pharmacological personalized treatment of difficult-to-control asthma, chronic obstructive pulmonary disease (COPD), lung cancer, idiopathic pulmonary fibrosis (IPF) and the respiratory tract involvement in neuromuscular diseases. Collectively these lung diseases represent a major cause of morbidity and/or mortality worldwide.

Lung cancer is the most frequent cause of cancer-related deaths worldwide. Every year, 1.8 million people are diagnosed with lung cancer, and 1.6 million people die as a result of the disease. 5-year survival rates vary from 4-17% depending on stage and regional differences. In the last years, the introduction of immune checkpoint inhibitors is quickly changing lung cancer management and this is a rapidly evolving field.

In addition there are molecular links, still largely under investigated, between COPD, lung, cancer and IPF, all tobacco smoking-related diseases but with different clinical-pathological expressions. It is particularly relevant that in a large longitudinal study of asymptomatic patients with mild-to-moderate COPD, ~33% of subjects died of lung cancer over ~15 years suggesting that lung cancer is a leading cause of morbidity and mortality in COPD patients. These patients share a common environmental risk factor (tobacco smoking) and a genetic predisposition represented by the incidence of these diseases in only a fraction of smokers. COPD is also a major independent risk factor for lung carcinoma, among smokers.

IPF occurs worldwide. The prevalence of the disease appears to be increasing, although it is unclear whether this reflects increased recognition or a true increase in incidence. IPF is of particular clinical interest because it is often misdiagnosed and managed inappropriately with immunosuppressive therapy, it is associated with a high mortality rate, and therapies that slow disease progression are now available.

Severe asthma accounts for only a small proportion of the patients with difficult-to-control asthma, but use a disproportionately high amount of health resources and has an high morbidity. It is an heterogeneous entity and requires a step-wise, evidence-based approach for its evaluation and management in specialised Centres. Management of severe asthma may include many biologic drugs as well as new emerging therapies based on the individual patient characteristics.

Neuromuscular diseases represent an heterogeneous group of disorders of the muscle, nerve or neuromuscular junction. Involvement of respiratory muscles is a nearly constant feature of neuromuscular disorders, leading to severe respiratory failure and increasing the risk of pneumonias. Diagnosis and treatment of their respiratory tract involvement is crucial because of the importance of respiratory morbidity and mortality.

We also would like to provide an overview of emerging and/or changing concepts in several areas of Paediatric Pulmonology rather than a comprehensive review of the field.

For all these reasons the aim of this Meeting is to gather together Italian and International experts in the field of these lung diseases to discuss in depth the cutting edge clinical and translational research performed in these different diseases and to coordinate global research network efforts to promote a better knowledge in their pathogenesis and to obtain new pharmacological targets for rationale drug development.

Prof. Giuseppe Girbino
President of the Meeting
PRESIDENT OF THE MEETING: Prof. Giuseppe Girbino
DIRETTORE DIPARTIMENTO MEDICINE SPECIALISTICHE ED ONCOLOGIA MEDICA E DELLA UOC DI PNEUMOLOGIA
UNIVERSITÀ DI MESSINA - POLICLINICO “G. MARTINO” PAD H - MESSINA, ITALY

SCIENTIFIC COMMITTEE COORDINATORS
A.P. Caputi (MESSINA, IT) • G. Caramori (MESSINA, IT) • C. Lunetta (ROMA, IT)
L. Richeldi (ROMA, IT) • G. V. Scagliotti (TORINO, IT) • S. Szefler (DENVER, USA)

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M.R. Bonsignore (PALERMO, IT) • N. Crimi (CATANIA, IT) • P. Ruggeri (MESSINA, IT)
N. Scichilone (PALERMO, IT) • M. Spatafora (PALERMO, IT) • G. Trifirò (MESSINA, IT)
C. Vancheri (CATANIA, IT)

YOUNG PULMONOLOGISTS SCIENTIFIC COMMITTEE
I. Coppolino (MESSINA, IT) • S. Principe (PALERMO, IT)

ADMINISTRATIVE AND TECHNICAL SUPPORT
F. Mollica (MESSINA, IT) • A. Zodda (MESSINA, IT)

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With an Unrestricted Grant by
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E-mail: milan@fondazione-menarini.it
Website: www.fondazione-menarini.it
02.30 p.m.  Registration of participants

03.00 p.m.  Welcome, opening remarks and Greetings from the Authorities
G. Girbino (MESSINA, IT)

03.30 p.m.  ROUND TABLE “Scientific rationale behind the Meeting”
A.P. Caputi (MESSINA, IT); G. Caramori (MESSINA, IT); C. Lunetta (MILANO, IT);
L. Richeldi (ROMA, IT); G.V. Scagliotti (TORINO, IT); S. Szefler (DENVER, USA)

SESSION I  INVITED EXPERTS’ LECTURES
CHAIRPERSONS: M.R. Bonsignore (PALERMO, IT); A.P. Caputi (MESSINA, IT);
M. Cazzola (ROMA, IT); N. Scichilone (PALERMO, IT)

04.30 p.m.  N. Martini (ROMA, IT)
Chronicity, multimorbidity and therapeutic pathways in Pulmonology: the challenge for the future

05.15 p.m.  S. Bonini (ROMA, IT)
Innovation in respiratory drugs

SESSION II  CHALLENGE IN NEW THERAPEUTIC AVENUES IN THORACIC CANCERS
COORDINATOR: G.V. Scagliotti (TORINO, IT)
CHAIRPERSONS: A. Palange (ROMA, IT); A. Palla (PIA, IT);
M. Spatafora (PALERMO, IT); C. Tantucci (BRESCIA, IT)

06.00 p.m.  G.V. Scagliotti (TORINO, IT)
Introduction to the session

06.15 p.m.  G.V. Scagliotti (TORINO, IT)
Precision medicine in thoracic cancers: challenges and opportunities

06.35 p.m.  L. Paz Ares (MADRID, ES)
Targeted therapies and lung cancer

06.55 p.m.  R. Herbst (YALE, USA)
Harnessing the immune system in lung cancer: a look to the future

07.15 p.m.  R. Govindan (SAINT LOUIS, USA)
TCGA and thoracic cancers: fishing the new therapeutic opportunities

07.35 p.m.  P. Baas (AMSTERDAM, NL)
Searching new therapeutic opportunities for malignant mesothelioma

07.55 p.m.  Talk Host: A. Bianco (NAPOLI, IT)

08.25 p.m.  End of the day
SESSION III  NEW CHALLENGES IN NEUROMUSCULAR DISEASES
COORDINATOR:  C. Lunetta (MILANO, IT)
CHAIRPERSONS: A. Chetta (PARMA, IT); M. Pistolesi (FIRENZE, IT);
A. Spanevello (VARESE, IT)

08.45 a.m.  C. Lunetta (MILANO, IT)
Introduction to the session

08.55 a.m.  A. Chiò (TORINO, IT)
The complexity of the phenotype of amyotrophic lateral sclerosis

09.15 a.m.  B. Traynor (BETHESDA-MA, USA)
How the genetic discoveries have changed our knowledge of
amyotrophic lateral Sclerosis

09.35 a.m.  P. Van Damme (LEUVEN, BE)
New therapeutic approaches in amyotrophic lateral sclerosis

09.55 a.m.  S. Messina (MESSINA, IT)
New therapeutic approaches in spinal muscular atrophy

10.15 a.m.  Talk Hosts:  M. Aiello (PARMA, IT);  A. Vianello (PADOVA, IT)

10.45 a.m.  COFFEE BREAK

SESSION IV  NEW CHALLENGES IN PEDIATRIC PULMONOLOGY
COORDINATOR:  S. Szefler (DENVER, USA)
CHAIRPERSONS:  V. De Rose (TORINO, IT);  V. Casolaro (SALERNO, IT);
M. P. Foschino Barbaro (FOGGIA, IT);  C. Stellato (SALERNO, IT)

11.00 a.m.  S. Szefler (DENVER, USA)
Introduction to the session

11.10 a.m.  S. Szefler (DENVER, USA)
Therapeutic Challenges in Pediatric Asthma

11.30 a.m.  E. Baraldi (PADOVA, IT)
Early life origins of chronic pulmonary diseases

11.50 a.m.  H. Tiddens (ROTTERDAM, NL)
New developments in cystic fibrosis

12.10 p.m.  T. Hansel (LONDON, UK)
New developments in RSV bronchiolitis

12.30 p.m.  Talk Hosts:  M. Contoli (FERRARA, IT);  F. Ricciardolo (TORINO, IT)

01.00 p.m.  LIGHT LUNCH
SESSION V  THE FUTURE TREATMENT OF OBSTRUCTIVE LUNG DISEASES
COORDINATOR:  G. Caramori (MESSINA, IT)
CHAIRPERSONS:  K. Fan Chung (LONDON, UK); P. Hansbro (NEWCASTLE, AUS); P. Ruggeri (MESSINA, IT); C. Virchow (ROSTOK, D)

02.00 p.m.  G. Caramori (MESSINA, IT)
Introduction to the session

02.10 p.m.  G. Caramori (MESSINA, IT)
New targets for COPD drugs

02.30 p.m.  P. Kirkham (WOLVERHAMPTON, UK)
New biomarkers in development for asthma and COPD

02.50 p.m.  I. Adcock (LONDON, UK)
Asthma: targeting treatment of specific endotypes

03.10 p.m.  R. Gosens (GRONINGEN, NL)
Lung regeneration: risks/benefits of stem cell mediated therapeutic approach

03.30 p.m.  Talk Host: F. Meloni (PAVIA, IT)

04.00 p.m.  End of the day
### SESSION VI  NEW CHALLENGES IN PULMONARY FIBROSIS

**COORDINATOR:**  
*L. Richeldi* (Roma, IT)  
**CHAIRPERSONS:**  
*N. Crimi* (Catania, IT);  
*S. Centanni* (Milano, IT);  
*O. Resta* (Bari, IT);  
*P. Rottoli* (Siena, IT)

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<tr>
<th>Time</th>
<th>Speaker</th>
<th>Topic</th>
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<tr>
<td>08.45 a.m.</td>
<td><em>L. Richeldi</em> (Roma, IT)</td>
<td>Introduction to the session</td>
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<td>08.55 a.m.</td>
<td><em>C. Vancheri</em> (Catania, IT)</td>
<td>Back to the basic: which pathways are real therapeutic targets in pulmonary fibrosis?</td>
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<td>09.15 a.m.</td>
<td><em>L. Richeldi</em> (Roma, IT)</td>
<td>Learning from the past: lessons from past clinical trials</td>
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<td>09.35 a.m.</td>
<td><em>F. Martinez</em> (New York, USA)</td>
<td>Study design: between genetics and pragmatism</td>
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| 09.55 a.m. | Talk Hosts: *C. Albera* (Torino, IT);  
*G. Mazzarella* (Napoli, IT) |  |
| 10.30 a.m. | **COFFEE BREAK** |  |

### SESSION VII  NEW CHALLENGES FOR PULMONARY PHARMACOLOGY

**COORDINATOR:**  
*A.P. Caputi* (Messina, IT)  
**CHAIRPERSONS:**  
*P.L. Paggiaro* (Pisa, IT);  
*G. Pelaia* (Catanzaro, IT);  
*D. Sangari* (Messina, IT)

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<thead>
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<tr>
<td>10.45 a.m.</td>
<td><em>A.P. Caputi</em> (Messina, IT)</td>
<td>Introduction to the session</td>
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<td>11.00 a.m.</td>
<td><em>M. Cazzola</em> (Roma, IT)</td>
<td>Chronic diseases, therapies and polipharmacy</td>
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<td>11.30 a.m.</td>
<td><em>G. Trifirò</em> (Messina, IT)</td>
<td>Treatment: appropriateness and adherence - What to do?</td>
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<td>12.00 p.m.</td>
<td><em>A.P. Caputi</em> (Messina, IT)</td>
<td>Fixed combination and polipills</td>
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| 12.30 p.m. | Talk Hosts: *M.G. Matera* (Napoli, IT);  
*A. Proietto* (Messina, IT);  
*P. Sestini* (Siena, IT) |  |
| 01.00 p.m. | **CME questionnaire** |  |
| 01.30 p.m. | *G. Girbino* (Messina, IT) | Take home messages & Concluding remarks                               |
Ian Adcok  National Heart and Lung Institute, Imperial College London - London (UK)

Marina Aiello  Università degli Studi - Parma (IT)

Carlo Albera  Università degli Studi - Torino (IT)

Paul Baas  The Netherlands Cancer Institute-Antoni van Leeuwenhoek Hospital - Amsterdam (NL)

Eugenio Baraldi  Università degli Studi - Padova (IT)

Andrea Bianco  Università degli Studi della Campania L. Vanvitelli - Napoli (IT)

Sergio Bonini  Istituto di Farmacologia Traslazionale, CNR - Roma (IT)

Maria Rosaria Bonsignore  Università degli Studi - Palermo (IT)

Achille Patrizio Caputi  Università degli Studi - Messina (IT)

Gaetano Caramori  Università degli Studi - Messina (IT)

Vincenzo Casolaro  Università degli Studi - Salerno (IT)

Mario Cazzola  Università degli Studi Tor Vergata - Roma (IT)

Stefano Centanni  Università degli Studi - Milano (IT)

Alfredo Chetta  Università degli Studi - Parma (IT)

Adriano Chiò  Università degli Studi - Torino (IT)

Kian Fan Chung  National Heart and Lung Institute, Imperial College London - London (UK)

Marco Contoli  Università degli Studi - Ferrara (IT)

Irene Coppolino  Università degli Studi - Messina (IT)

Nunzio Crimi  Università degli Studi - Catania (IT)

Virginia De Rose  Università degli Studi - Torino (IT)

Maria Pia Foschino Barbaro  Università degli Studi - Foggia (IT)

Giuseppe Girbino  Università degli Studi - Messina (IT)

Reinoud Gosens  University of Groningen - Groningen (NL)

Ramaswamy Govindan  Washington University School of Medicine - Saint Louis (USA)

Philip Hansbro  University of Newcastle - Newcastle (AUS)

Trevor Hansel  ICRRU, St Mary’s Hospital, Imperial College London (UK)

Roy Herbst  University of Yale School of Medicine - Yale (USA)

Paul Kirkham  University of Wolverhampton - Wolverhampton (UK)

Christian Lunetta  Centro Clinico Nemo, Fondazione Serena Onlus - Milano (IT)

Fernando Martinez  Weill Cornell University School of Medicine - New York (USA)

Nello Martini  Università degli Studi - Roma (IT)

Maria Gabriella Matera  Università degli Studi della Campania L. Vanvitelli - Napoli (IT)

Gennaro Mazzarella  Università degli Studi della Campania L. Vanvitelli - Napoli (IT)
Federica Meloni  Università degli Studi - Pavia (IT)
Sonia Messina  Università degli Studi - Messina (IT)
Franca Mollica  Università degli Studi - Messina (IT)
Pierluigi Paggiaio  Università degli Studi - Pisa (IT)
Paolo Palange  Università degli Studi "La Sapienza" - Roma (IT)
Antonio Palla  Università degli Studi - Pisa (IT)
Luis Paz Ares  Hospital Universitario - Madrid (ES)
Girolamo Pelaia  Università degli Studi - Catanzaro (IT)
Massimo Pistolesi  Università degli Studi - Firenze (IT)
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Alfio Proietto  Università degli Studi - Messina (IT)
Onofrio Resta  Università degli Studi - Bari (IT)
Fabio Ricciardolo  Università degli Studi - Torino (IT)
Luca Richeldi  Università degli Studi Cattolica - Roma (IT)
Paola Rottoli  Università degli Studi - Siena (IT)
Paolo Ruggeri  Università degli Studi - Messina (IT)
Donatella Sangari  Università degli Studi - Messina (IT)
Giorgio V. Scagliotti  Università degli Studi - Torino (IT)
Nicola Scichilone  Università degli Studi - Palermo (IT)
Piersante Sestini  Università degli Studi - Siena (IT)
Antonio Spanevello  Università degli Studi dell’Insubria - Varese (IT)
Mario Spatafora  Università degli Studi - Palermo (IT)
Cristiana Stellato  Università degli Studi - Salerno (IT)
Stanley Szefler  University of Colorado School of Medicine - Denver (USA)
Claudio Tantucci  Università degli Studi - Brescia (IT)
Harm Tiddens  Erasmus Medical Center - Rotterdam (NL)
Bryan Traynor  National Institutes of Health, (NIH) - Bethesda-MA (USA)
Gianluca Trifirò  Università degli Studi - Messina (IT)
Carlo Vancheri  Università degli Studi - Catania (IT)
Philip Van Damme  University of Leuven - Leuven (BE)
Andrea Vianello  Università degli Studi - Padova (IT)
Christian Virchow  Universitätsklinikum Rostock - Rostok (D)
Angelo Zodda  Università degli Studi - Messina (IT)
Meeting venue - The venue for the Meeting will be “Atahotel Capotaormina”
Via Nazionale, 105 - 98039 Taormina, Messina (Italy)

Secretariat during the Meeting - The Secretariat will be open at the following times:
Thursday, 18 October, from 11.30 a.m. to 8.30 p.m.
Friday, 19 October, from 7.30 a.m. to 4.00 p.m.
Saturday, 20 October, from 7.30 a.m. to 2.00 p.m.

Official language - The official language of the Meeting will be English.

Interpretation service - Our conference interpreters will provide simultaneous interpretation services throughout the Meeting. Complimentary headphones for simultaneous interpretation will be available upon your arrival at the Meeting venue.

Italian C.M.E. (CONTINUING MEDICAL EDUCATION)
Collage S.p.A. (provider n. 309) has included the Meeting in the educational plan 2018. C.M.E. ref.: 309-236392

The Meeting will be suited for PHYSICIANS (Pulmonologists, Emergency and Urgent Surgery MDs, Geriatricians, Neurologists, Oncologists, Pediatricians, Rheumatologists, Internists, Allergologists, Infectivologists, General Practitioners, Pharmacologists, Occupational Medicine MDs, Epidemiologists, Otorhinolaryngologists) and NURSES and it provides 9,8 C.M.E. credits

In order to obtain C.M.E. credits, participants must
• attend the 90% of the meeting (18-19-20 October, 2018)
• fill-in the CME evaluation questionnaire (credits will be granted to those who will answer 70% correctly)
• belong to the credited medical profession and specializations related to this Meeting
• submit the required documentation, sign in and sign out at the Registration desk at the beginning/end of 18-19-20 October, 2018
Italian C.M.E. Certification - The certificate of attendance with the C.M.E. assigned credits can be downloaded after 91 days from the date of the Meeting directly through the website http://www.collage-spa.it/congressi-corsi/. Please select the year and title of the event, enter your fiscal code and download your Certification. This document will include the personal data you declared at the time of registration. We here guarantee that your personal data will be respected in accordance with the new UE regulation on privacy (GDPR - General Data Protection Regulation - UE 2016/679).

Certificate of attendance - Certificate of attendance will be issued at the Registration desk at the end of the Meeting.

Registration - The meeting is free to attend. On-line registration is mandatory and possible until October 10th, 2019 or until the predetermined limit is reached. Please confirm your participation to the Organizing Secretariat by registering online at www.collage-spa.it. Registration includes: admission to the Congress, Congress documentation, Certificate of Attendance, coffee breaks and light lunches.

Technical facilities - Facilities will be available for computer presentations and overhead projections. A business center with PC (Powerpoint for Windows) will be available for check and preview of presentations. It is essential that speakers take their presentation to the business center at least one hour before the session starts.

The Center will be open at the following times:
- Thursday, 18 October, from 11.30 a.m. to 8.30 p.m.
- Friday, 19 October, from 7.30 a.m. to 4.00 p.m.
- Saturday, 20 October, from 7.30 a.m. to 2.00 p.m.

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

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