

COPD

RESEARCH DAY

6th edition



Saturday, the 7th of October 2023

Excelsior Palace Hotel
Taormina (Messina), Italy
www.excelsiorpalacetaormina.it

The meeting will follow the National and Regional rules on scientific meetings at that time

Organised by Professor Gaetano Caramori, Messina, Italy

INTRODUCTION

There are many reasons why chronic obstructive pulmonary disease (COPD) deserves to be high on the list of disease targets and research. COPD is still a major public health problem because it has a high prevalence and it is a leading cause of morbidity and mortality worldwide creating a formidable challenge for the health-care systems. COPD is one of the most frequent causes of unscheduled visits in the offices of general practitioners and specialists and of emergency ward visits and hospital admissions. Furthermore COPD, causes 3.2 millions of deaths worldwide and represents one of the top causes of death among the Italian population. In addition, COPD care, both directly and indirectly, uses a substantial amount of the resources of Italian National Health Service, with a significant impact on social expenses. Despite recent trends in reduction of COPD standardized mortality rates and some recent successes in anti-smoking efforts in a number of Western countries, the overarching demographic impact of ageing in an ever-expanding world population (~ 8 billion in February 2023), joined with other factors such as the high rates of cigarette smoking, will ensure that COPD will remain a challenge for clinicians within the 21st century epidemiologic point of view.

For every COPD patient that physicians could avoid putting on a long-term ventilator and/or oxygen therapy this will save an enormous amount of money of the Italian National Health Service.

Sicily (http://pti.regione.sicilia.it/portal/page/portal/PIR_PORTALE) has a passive (requests of being cured in other Italian regions) mobility of 6-8% of all Sicilian COPD patients.

Current personalised treatment of COPD is still unable to completely modify the natural history of the disease in its different and complex clinical phenotypes or to fully satisfy the expectations of the patients. In addition there are molecular links, still largely under investigated, between COPD, lung cancer and idiopathic pulmonary fibrosis (IPF) all smoking-related disease 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 (smoking) and a genetic predisposition represented by the incidence of these diseases in only a fraction of smokers. Moreover there are no prognostic biomarkers to monitor the natural history of the disease in a simple and non-invasive way. For all these reasons, this meeting will represent an important place of discussion between Italian and International experts on the most recent available evidence on the molecular pathogenesis of COPD and novel ongoing therapeutic approaches. The Academic Pulmonology team at the University of Messina, Italy (www.unime.it) wish to stay at the cutting edge of the COPD research with the aim of discovering new therapeutic targets and new prognostic biomarkers, which may in the future allow us to better control the disease.

SCIENTIFIC PROGRAM

- 09.45 - 10.00 Registration of participants
10.00 - 10.30 Opening speech by the Local Academic Authorities

Lectures

Chairs: *Gaetano Caramori, Edoardo Spina, Francesco Trimarchi*

Morning session

- 10.30 - 11.15 Key clinical messages learned from prospective studies of large COPD cohorts
James Crapo
- 11.15 - 12.00 What clinical messages can we learn from studies of small airway function
Vito Brusasco
- 12.00 - 12.45 Senescence in COPD
Peter J Barnes
- 12.45 - 13.15 General debate on the topics discussed in the morning session
Discussants: *Vincenzo Casolaro, Cristiana Stellato, Massimo Guerriero* and *Francesco Nucera*

13.15 - 14.30 *Light lunch*

Afternoon session

- 14.30 - 15.15 COPD pipeline: not launched products
Maria Belvisi
- 15.15 - 16.00 COPD pipeline: not launched products
Thomas Eichholtz
- 16.00 - 16.30 Unmet needs in COPD research
Richard Russell
- 16.30 - 17.00 New techniques of mucosal sampling in COPD research
Trevor Hansel
- 17.00 - 17.30 Animal models in the pathogenesis of COPD and lung cancer
Philip Hansbro
- 17.30 - 18.00 Nutraceuticals and COPD
Gioacchino Calapai
- 18.00 - 18.45 New potential drug targets for stable and exacerbated COPD patients
Ian Adcock
- 18.45 - 19.30 General debate on the topics discussed and Conclusions by the Chairs
Discussants: *Luana Bauso, Leandro Castellano, Antonio Ieni* and *Francesco Nucera*

ORGANISER

Gaetano Caramori, *Messina, Italy*

LIFETIME HONORARY PRESIDENT OF THE MEETING

Giuseppe Girbino, *Messina, Italy*

SCIENTIFIC COORDINATORS

Francesco Nucera and **Luana Bauso**, *Messina, Italy*

FACULTY

Ian M. Adcock, *London, UK*

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Maria Belvisi, *London, UK*

Vito Brusasco, *Genova, Italy*

Gioacchino Calapai, *Messina, Italy*

Gaetano Caramori, *Messina, Italy*

Vincenzo Casolaro, *Salerno, Italy*

Leandro Castellano, *London, UK*

James Crapo, *Englewood, CO, USA*

Thomas Eichholtz, *London, UK*

Massimo Guerriero, *Verona, Italy*

Philip Hansbro, *Newcastle, Australia*

Trevor Hansel, *London, UK*

Antonio Ieni, *Messina, Italy*

Francesco Nucera, *Messina, Italy*

Richard Russell, *Oxford, UK*

Edoardo Spina, *Messina, Italy*

Cristiana Stellato, *Salerno, Italy*

Francesco Trimarchi, *Messina, Italy*

LIFE-LONG LEARNING IN MEDICINE

The meeting is part of the CME program of the Ministry of Health for 50 participants.

This meeting is part of the teaching activities of the students of the International PhD

Translational Molecular Medicine and Surgery of the University of Messina, Italy

(<https://www.unime.it/it/dottorato/translational-molecular-medicine-and-surgery>)

and of the residents of the specialisation schools of the University of Messina, Italy

UNDER THE AUSPICES OF (FREE PATRONAGE REQUESTS ARE UNDERWAY)

Accademia Peloritana dei Pericolanti (<http://www.accademiapeloritana.it/EN/>)

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