



Università  
degli Studi di  
Messina



Accademia  
Peloritana dei  
Pericolanti

# LUNG RESEARCH SEMINARS OF THE ACCADEMIA PELORITANA DEI PERICOLANTI 3<sup>rd</sup> EDITION



Friday, the 16<sup>th</sup> of July 2021

Aula didattica, 1<sup>o</sup> piano, padiglione B

A.O.U. Policlinico "G. Martino" di Messina ([www.polime.it](http://www.polime.it))

Webinar: [www.gotomeeting.com](http://www.gotomeeting.com) if the event will be impossible in physical presence due to National and/or local COVID-19 pandemic-related restrictions

Organised by Professor Gaetano Caramori,

*Full Professor of Respiratory Medicine at the University of Messina, Italy*

## INTRODUCTION

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Good studies of translational medicine are mandatory to reach a better understanding, at the molecular level, of the pathogenesis of lung diseases. We still have a significant unmet needs in the pathogenesis and pharmacological personalised treatment of difficult-to-control asthma, chronic obstructive pulmonary disease (COPD), bronchiectasis, acute respiratory distress syndrome (ARDS, including COVID-19), idiopathic pulmonary fibrosis (IPF) and idiopathic pulmonary arterial hypertension (IPAH). Collectively these lung diseases represent a major cause of morbidity and/or mortality worldwide. In addition there are molecular links, still largely under investigated, between COPD, lung, cancer and 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. COPD is also a major independent risk factor for lung carcinoma, among smokers. Sepsis is a major cause of ARDS and this deadly disease can be considered another orphan disease due to the paucity of studies on its pathogenesis. IPAH is an uncommon lethal disease and we need to develop better drugs to modify its natural history.

For all these reasons the aim of this seminar is to gather together International experts in the field of these lung diseases to discuss in depth the cutting edge translational medicine 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 targets for rationale drug development.

## SCIENTIFIC PROGRAM

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14.45-15.00 **Registration of participants**

15.00-15.30 **Opening speech by the Academic Authorities**

*Salvatore Cuzzocrea*

*Francesco Trimarchi*

*Sergio Baldari*

### LECTURES

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

15.30-16.30 **RNA binding proteins link between COPD  
and lung cancer**

*Cristiana Stellato*

16.30-17.30 **New drugs in development for COPD (stable and  
exacerbations)**

*Ian M. Adcock*

17.30-18.30 **Peripheral blood B and T cells and autoimmune  
responses in stable COPD Patients**

*Vincenzo Casolaro*

18.30-19.30 **General debate on the topics discussed and  
Conclusions by the Chairs**

**Discussants:** *Antonio Ieni, Francesco Nucera, Ilaria Salvato*

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## ORGANISER

**Gaetano Caramori**

*Pneumologia, Dipartimento BIOMORF  
Università degli Studi di Messina, Italy*

## FACULTY

**Ian M. Adcock**, *London, UK*

**Sergio Baldari**, *Messina, Italy*

**Gaetano Caramori**, *Messina, Italy*

**Vincenzo Casolaro**, *Salerno, Italy*

**Salvatore Cuzzocrea**, *Messina, Italy*

**Antonio Ieni**, *Messina, Italy*

**Francesco Nucera**, *Messina, Italy*

**Ilaria Salvato**, *Messina, Italy*

**Cristiana Stellato**, *Salerno, Italy*

**Francesco Trimarchi**, *Messina, Italy*

## LIFE-LONG LEARNING IN MEDICINE

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

## GENERAL INFORMATION

Free registration in advance by e-mailing [info@samacongressi.it](mailto:info@samacongressi.it) is suggested to participate to the meeting but if in physical presence will be available a desk for the registration at the time of the event.

## UNDER THE AUSPICES OF

**Accademia Peloritana dei Pericolanti**

*(<http://www.accademiapeloritana.it/>) - (<http://www.accademiapeloritana.it/EN/>)*

**University of Messina, Italy**

*([www.unime.it](http://www.unime.it))*

**WE GRATEFULLY RECOGNISE THAT THE EVENT HAS BEEN MADE POSSIBLE BY AN UNRESTRICTED EDUCATIONAL GRANT PROVIDED BY VIVISOL TO PNEUMOLOGIA, DIPARTIMENTO BIOMORF, UNIVERSITÀ DEGLI STUDI DI MESSINA**

## ORGANIZING SECRETARIAT

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