

INTERNATIONAL MEETING

UNDER THE AUSPICES OF:



UNIVERSITÀ DEGLI STUDI DI TORINO  
SCUOLA DI MEDICINA

# MEET THE EXPERTS IN SEVERE ASTHMA



**2018**  
**12<sup>th</sup> - 13<sup>th</sup>**  
**JANUARY**  
**TURIN**

CENTRO CONGRESSI  
TORINO INCONTRA



**COURSE DIRECTOR**

**FABIO L. M. RICCIARDOLO**

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## INTRODUCTION

In about 80% of cases, asthma can be treated appropriately, with an appropriate level of therapy and with good patient compliance. However, there is a substantial percentage of asthmatics (about 10-20%) in which the control of asthma is achievable only with high doses of drug therapy or, more frequently, is not reachable for the severity of the disease or for the presence of comorbidity that make it difficult to treat asthma.

The definition of severe asthma according to the ERS / ATS 2014 document is as follows: "asthmatic patients who require high doses of inhaled corticosteroids combined with control drugs such as LABA, anti-leukotrienes or theophylline or those that require oral corticosteroids for at least 6 months in the previous year. Such patients may remain uncontrolled despite the high level of the therapeutic regime (Step 5 GINA) or may achieve an adequate control of symptoms which, unfortunately, it gets lost with the reduction of corticosteroid doses ".

Before defining a patient suffering from severe asthma, it is necessary a more deepened evaluation for other types of asthma in order to estimate: aggravating factors, comorbidities, adherence to the therapy, disease control over time and alternative diagnosis to asthma.

In recent years much attention has been paid to the concept of heterogeneity of asthma based on several clinical functional and biological factors. These different forms of asthma are commonly defined phenotypes and for phenotype we mean the observable characteristics of an organism due to interaction between genetic heritage and environmental factors which are relatively stable over time. The phenotypes can be defined according to clinical factors such as lifestyle (e.g. smoking asthmatics) or comorbidities (obesity, rhino sinusitis, gastro esophageal reflux disease), of functional assessment (such as asthma with airway obstruction no longer reversible) and the type of measurable inflammation with non-invasive/invasive methods.

In recent years several studies using statistical methods of factor analysis ("Cluster analysis") were performed to identify groups of patients on the basis of categorical and parametric variables to clinical, functional and biological indicators.

In particular, two major studies carried out one in the UK ( "Leicester study") and one in the USA ( "SARP study") have identified specific asthma phenotypes with different severity: 1) allergic asthma mild to moderate grade in atopic subjects; 2) severe allergic asthma in early-onset atopic, severe decline of FEV1; 3) severe asthma in advanced age obese, late-onset, less atopic with non-eosinophilic inflammation; 4) severe asthma in adults with intolerance to aspirin / NSAIDs, delayed onset, even with rhinitis/sinusitis polypoid and highly eosinophilic inflammation; 5) severe asthma with fixed obstruction in advanced age, reduced FEV1 with poor reversibility, high doses of inhaled corticosteroids or oral use of CS and inflammation mixed eosinophilic/neutrophilic.

Such patients should have regular and frequent clinical and functional checks in specialist centres (at least every 4-6 months) in order to adjust the treatment plan.

11:30 a.m. Registration

12:00 p.m. Light Lunch

01:00 p.m. Introduction to the meeting: **Fabio L. M. Ricciardolo**  
Welcome addresses:

**Umberto Ricardi, Giuseppe Saglio, Stefano Centanni**

## 1<sup>st</sup> Session

### **Severe asthma: from definition to molecular stratification**

Chairs: **Caterina Bucca, Virginia De Rose, Alberto Papi**

Discussant: **Bianca Beghè**

01:30 p.m. Lecture: Historical view of asthma  
**Dario Olivieri**

02:00 p.m. Lecture: Definition and pathogenesis of severe asthma  
**Johann C. Virchow**

02:30 p.m. Lecture: Epidemiology and natural history of severe asthma  
**Giovanni Viegi**

03:00 p.m. Lecture: Genetic predisposition in severe asthma  
**Ian Sayers**

03:30 p.m. Lecture: Endotypes of severe asthma (U-BIOPRED cohorts)  
**Kian Fan Chung**

04:00 p.m. Coffee Break

## 2<sup>nd</sup> Session

### **Severe asthma: pathophysiology and steroid resistance**

Chairs: **Stefano Centanni, Giuseppe Di Maria, Carlo Gulotta, Peter J. Sterk**

Discussant: **Nicola Scichilone**

04:15 p.m. Lecture: Airway pathophysiology in severe asthma  
**Guy Joos**

04:45 p.m. Lecture: Role of small airways in severe asthma  
**Maarten van den Berge**

05:15 p.m. Lecture: Airway pathology in severe and fatal asthma  
**Thais Mauad**

05:45 p.m. Lecture: Smoking Asthma  
**Peter J. Barnes**

06:15 p.m. Lecture: Mechanisms of Corticosteroid resistance in severe asthma  
**Ian Adcock**

06:45 p.m. Lecture: Mechanisms of bronchodilation  
**Mario Cazzola**

07:15 p.m. Closing remarks

## 3<sup>rd</sup> Session

### Severe asthma: Clinical management

Chairs: *Peter J. Barnes, Ratko Djukanovic, Antonio Spanevello*

Discussant: *Pierachille Santus*

- 08:45 a.m.     Lecture: Clinical risk factors for severe asthma  
*Stelios Loukides*
- 09:15 a.m.     Lecture: Clinical management  
and comorbidities in severe asthma  
*Ildiko Horvath*
- 09:45 a.m.     Lecture: Exacerbations in severe asthma  
*Alberto Papi*
- 10:15 a.m.     Lecture: Pharmacological therapy in severe asthma  
*Pierluigi Paggiaro*
- 10:45 a.m.     Lecture: Inhalation Medicine in severe asthma: MDI vs DPI  
*Omar Usmani*
- 11:15 a.m.     Coffee break

## 4<sup>th</sup> Session

### Phenotypes in Severe asthma

Chairs: *Leonardo Fabbri, Pierluigi Paggiaro, Fabio L. M. Ricciardolo*

Discussant: *Mario Malerba*

- 11:35 a.m.     Lecture: Phenotyping severe asthma  
*Peter J. Sterk* – Introduction
- 12:00 p.m.     Lecture: Allergic severe asthma  
*Ratko Djukanovic*
- 12:30 p.m.     Lecture: Eosinophilic: severe asthma  
*Guy Brusselle*
- 01:00 p.m.     Lecture: Neutrophilic severe asthma  
*Fabio L. M. Ricciardolo*
- 01:30 p.m.     Light lunch

**5<sup>th</sup> Session**  
**Endotypes and Personalized Therapy**

Chairs: **Guy Brusselle, Gaetano Caramori, Antonino Di Stefano**

Discussant: **Alessandro Vatrella**

- 02:30 p.m.    Lecture: Precision Medicine  
**Giorgio W. Canonica**
- 03:00 p.m.    Lecture: FeNO suppression test and steroid responsiveness  
in difficult asthma  
**Liam Heaney**
- 03:30 p.m.    Lecture: Exhaled fingerprints in (severe) chronic airways disease  
(U-BIOPRED cohorts)  
**Peter J. Sterk**
- 04:00 p.m.    Current Biologics (anti-IgE and anti-IL-5) in severe asthma  
**Arnaud Bourdin**
- 04:30 p.m.    Lecture: Bio-drugs in development for severe asthma  
**Girolamo Pelaia**
- 05:00 p.m.    Lecture: Bronchial Thermoplasty: a new therapeutic option  
**Pascal Chanez**
- 05:30 p.m.    Lecture: ABPA and Churg-Strauss syndrome:  
new horizons in treatment?  
**Giovanni Rolla**
- 06:00 p.m.    Closing remarks  
**Fabio L. M. Ricciardolo**
- 06:15 p.m.    Test ECM - EBAP

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University Medical Clinic of Rostock, DE*



# GENERAL INFORMATION

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## **Meeting venue**

*The venue for the Meeting will be "Centro Congressi Torino Incontra",  
Via Nino Costa, 8, 10123 Torino TO - Tel. 011 557 6800*

## **Secretariat during the Meeting**

*The Secretariat will be open at the following times:  
Friday, January 12<sup>th</sup> from 11.30 a.m. to 06.30 p.m.  
Saturday, January 13<sup>th</sup> from 07.30 a.m. to 06.30 p.m.*

## **Official language**

*The official language of the Meeting will be English.*

## **Registrations**

*Please confirm your participation to the Organizing Secretariat:  
Website link: <http://www.contatto.tv/eventi/riepilogo.php?num=202282>  
Contatto S.r.l.  
Phone: +39 011 715210 / 712393 - Fax: + 39 011 726115  
E-mail: [info@contatto.tv](mailto:info@contatto.tv) within 8<sup>th</sup> january.*

## **Italian CME Accreditation**

*The Meeting has obtained n. 12,8 CME Credits for Italian Physicians.  
The CME credits will be recognized only after full attendance of all sessions  
and a minimum score of 75% of correct answers in the learning questionnaires.  
Completion of the Registration Form, the Learning & Assessment questionnaires  
are compulsory.*

## **European CME Accreditation**

*The events has been accredited by the European Board for Accreditation  
in Pneumology (EBAP) for n. 12 European CME Credits covering the whole programme.*

## **Technical facilities**

*A Slide Centre with PCs (Windows and Macintosh operating systems)  
will be available for Speakers to preview and finalize their presentations.  
Speakers are kindly requested to submit their presentations on USB flash drive,  
CD or DVD to the Slide Centre technicians at least one hour before their talks.*

## **Slide Centre opening hours**

*Friday, January 12<sup>th</sup> from 11.30 a.m. to 06.30 p.m.  
Saturday, January 13<sup>th</sup> from 07.30 a.m. to 06.30 p.m.*

## **Lunches and coffee breaks**

*Lunches and coffee breaks will be provided within the conference premises.*

## **Attendance certificate**

*The attendance certificate will be issued at the accreditation/registration desk  
following full attendance at the Conference.*



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With no committing contribution of:

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