

# 1<sup>st</sup> International Workshop on Large scale population-based surveys on respiratory health in Italy and Europe

## Verona, Italy

October 23<sup>rd</sup>-24<sup>th</sup>

2014

POLO DIDATTICO GIORGIO ZANOTTO



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## SCIENTIFIC ENDORSEMENTS REQUIRED

ERS	European Respiratory Society
AAITO	Associazione Allergologi Immunologi Territoriali Ospedalieri
AIMAR	Associazione Scientifica Interdisciplinare per lo studio delle Malattie Respiratorie
SIAIC	Società Italiana Allergologia e Immunologia Clinica
SIMeR	Società Italiana di Medicina Respiratoria
SIMRI	Società Italiana per le Malattie Respiratorie Infantili
SIN	Società Italiana di Neonatologia
SIP	Società Italiana di Pediatria

## INSTITUTIONAL ENDORSEMENTS REQUIRED

Università degli Studi di Verona  
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Estimates from the World Health Organization (WHO) show a continuous increase in prevalence and cost of respiratory diseases, which have become the second leading cause of disability in Western nations.

However health authorities, healthcare professionals and the public opinion are still not fully aware of the health and social impact of these diseases. Since the Eighties several large surveys on respiratory health have been performed on the European and Italian general population. They have largely contributed to our disease knowledge, but their results are still largely unknown to non-specialist audiences. Disseminating previously acquired epidemiological knowledge and promoting innovative studies on the general population are essential to properly allocate health resources, to evaluate the efficacy and safety of treatments in daily life, and to prevent most serious consequences of respiratory diseases.

For this reason, the scientific societies of Medical Statistics and Clinical Epidemiology, Pulmonology, Epidemiology, Allergology and Pediatrics have jointly organized the Workshop "Large scale population-based surveys on respiratory health in Italy and Europe" to be held on 23<sup>rd</sup>-24<sup>th</sup> October in Verona, Italy.

The Workshop is aimed at presenting the design and the main results from the largest worldwide epidemiological collaborative research projects, undertaken in the last years to investigate respiratory health in children and adults. The European and Italian principal investigators, directly involved in these surveys, will illustrate their findings on the main determinants of respiratory diseases, disease evolution with time and socio-economic burden. The Workshop will offer a unique opportunity to scientists, pneumologists, allergologists, pediatricians and other health professionals to get an overview of the most advanced ongoing researches in respiratory epidemiology, to debate some crucial topics for the validity of the data and models used, and to discuss how to deal with the future challenges of the research on respiratory health.

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**Fausto De Michele**  
U.O.C. di Pneumologia I° e Fisiopatologia Respiratoria  
A.O. di Rilievo Nazionale ad Alta Specialità "A. Cardarelli", Napoli  
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Unità Operativa Complessa di Pneumologia,  
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Dipartimento di Sanità Pubblica e Medicina di Comunità  
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IBIM Istituto di Biomedicina e Immunologia Molecolare  
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Sezione di Epidemiologia e Statistica Medica  
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Università degli Studi di Verona - IT



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October 23<sup>rd</sup>, 2014

09.15 - 09.45 Welcome and Opening Ceremony

09.45 - 10.15 **LECTURE - Population-based research: a shadow of the past or a challenge for the future?** *P. Burney*  
Chair: R. De Marco

## SESSION 1 – THE MULTICENTRE INTERNATIONAL STUDIES ON RESPIRATORY HEALTH Chairs: J.M. Antò – G. Viegi

10.15 - 10.35 Respiratory health in adults: the ECRHS study *D. Jarvis*

10.35 - 10.55 Asthma and allergies in children: the ISAAC study *N. Pearce*

10.55 - 11.15 Combining population studies and environmental measurements: the ESCAPE experience *N. Künzli*

11.15 - 11.30 Discussion

11.30 - 11.45 **Coffee Break**

## SESSION 2 - EUROPEAN POPULATION-BASED STUDIES ON LUNG FUNCTION AND RESPIRATORY DISEASES Chairs: E. Rönmark – A. Rossi

11.45 - 12.00 Risk factors of COPD and lung function decline: the Nordic studies *P. Lange*

12.00 - 12.15 The offspring study in the RHINE project *C. Svanes*

12.15 - 12.30 Main respiratory findings of large population based studies in Germany *J. Heinrich*

12.30 - 12.45 Discussion

12.45 - 13.15 **LECTURE**

13.15 - 14.45 **Lunch / POSTER SESSION**

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## SESSION 3 - THE ITALIAN CONTRIBUTION TO RESPIRATORY EPIDEMIOLOGY

Chairs: G. S. Blengio - M. Ferrari

14.45 - 15.00 The CNR surveys on lung function in the general populations of Po Delta and Pisa *L. Carrozzi*

15.00 - 15.15 The GEIRD (Gene Environment Interactions in Respiratory Diseases) study *E. Zanolin*

15.15 - 15.30 Temporal variations in the prevalence of chronic respiratory diseases in Italy *G. Verlato*

15.30 - 15.45 Prevalence of asthma and COPD in the elderly: the SaRA study *V. Bellia*

15.45 - 16.00 Short-term effects of air pollution on the respiratory health *A. Biggeri*

16.00 - 16.15 Lung function and prevalence of COPD in Verona *C. Pomari*

16.15 - 16.30 Discussion

16.30 - 16.45 **Coffee Break**

16.45 - 17.15 **LECTURE**

## SESSION 4 - ITALIAN POPULATION-BASED STUDIES OF RESPIRATORY HEALTH IN CHILDREN

Chairs: E. Baraldi, A. Villani

17.15 - 17.30 Prevalence of asthma in Italian children: the results of the SIDRIA study *C. Galassi*

17.30 - 17.45 Short and long-term effects of the air pollution exposure in pregnancy and in the first years of life *A. Boner*

17.45 - 18.00 Allergies and atopic diseases in the cohorts of birth *F. Rusconi*

18.00 - 18.15 Risk factors of respiratory diseases in childhood *S. La Grutta*

18.15 - 18.30 Real world evaluation of adherence to asthma guidelines in pediatric population *L. Indinnimeo*

18.30 - 18.45 Discussion

18.30 **Assemblea SISMEC**

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## SESSION 5 – METHODOLOGICAL ISSUES IN POPULATION-BASED RESEARCH

Chairs: I. Cerveri – P. Pasqualetti

09.00 - 09.20	Potential bias in epidemiological studies on the general population	<i>P. Bakke</i>
09.20 - 09.40	New exposure assessment strategies in environmental epidemiology	<i>B. Brunekreef</i>
09.40 - 10.00	Multiple testing in genetic epidemiology	<i>A. Farcomeni</i>
10.00 - 10.20	Multilevel modelling in multicentre studies	<i>S. Accordini</i>
10.20 - 10.40	Lung function modeling and measurement errors	<i>M. Bottai</i>
10.40 - 10.55	Discussion	

10.55 - 11.10 **Coffee Break**

## SESSION 6 - GENES AND ENVIRONMENT IN RESPIRATORY HEALTH

Chairs: L. Bernardinelli – G. Senna

11.10 - 11.25	Genes and environment interactions in asthma and allergies: the French experiences	<i>I. Annesi-Maesano</i>
11.25 - 11.40	Biobanking for respiratory health research and beyond: the SAPALDIA cohort	<i>N. Probst Hensch</i>
11.40 - 11.55	Exposure to fine and ultra-fine particles and respiratory health	<i>F. Forastiere</i>
11.55 - 12.10	Climate change, extreme weather events and respiratory outcomes	<i>P. Michelozzi</i>
12.10 - 12.25	Pharmacogenetics of asthma	<i>P. Montuschi</i>
12.25 - 12.40	Discussion	

12.40 - 13.10 **LECTURE**

13.10 - 14.30 **Lunch / POSTER SESSION**

## SESSION 7 - BURDEN AND CONTROL OF ASTHMA AND COPD IN EUROPE AND ITALY

Chairs: F. De Michele - P. Pirina

14.30 - 14.45	The burden of respiratory diseases according to the ERS Lung White Book	<i>B. Lundbäck</i>
14.45 - 15.00	The burden and the control of asthma in Europe and in Italy	<i>L. Cazzoletti</i>
15.00 - 15.15	Real life evaluation of the adherence to asthma and COPD guidelines in Italy	<i>P. Paggiaro</i>
15.15 - 15.30	Drug expenditures for asthma and COPD in Italy	<i>tbd</i>
15.30 - 15.45	Discussion	

15.45 - 16.00 **Coffee Break**

## SESSION 8 - MAJOR NATIONAL AND INTERNATIONAL DATABASES: OPPORTUNITIES FOR RESEARCH ON RESPIRATORY HEALTH

Chairs: A. Barchielli - F. Cavallo

16.00 - 16.20	Building up population-integrated databases: the Nordic experience	<i>J. Olsen</i>
16.20 - 16.35	Research opportunities by the use of Health Services Database in Veneto Region	<i>M. Saugo</i>
16.35 - 16.50	Epidemiological studies on asthma and COPD in primary care	<i>G. Bettoncelli</i>
16.50 - 17.05	Building reliable evidence from real-world data: some Italian experiences	<i>G. Corrao</i>
17.05 - 17.20	ISTAT (Italian National Institute of Statistic) contribution to the research on respiratory diseases	<i>A. Burgio</i>

### ROUND TABLE

POPULATION, CLINICAL OR ADMINISTRATIVE DATA-BASED STUDIES. WHAT APPROACH FOR THE FUTURE MEDICAL RESEARCH?

Discussants: P. P. Benetollo, G. Corrao, R. De Marco, F. Forastiere, C. Mereu, tbd, M. Triggiani, A. Rossi, G. Viegi

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Unità Operativa Complessa di Pneumologia  
Azienda Ospedaliera Universitaria Integrata, Verona - IT  
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**Giovanni Viegi**

IBIM Istituto di Biomedicina e Immunologia Molecolare  
CNR "Alberto Monroy", Palermo - IT  
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