



2nd International Congress on Exacerbation of Airway Disease April 17–19, 2010

Draft Program June 24, 2009

Chairs:

Sebastian Johnston – National Heart and Lung Institute, Imperial College, London, UK
Fernando Martinez – Arizona Respiratory Center, University of Arizona, Tucson, USA
Peter Barnes - National Heart and Lung Institute, Imperial College, London, UK

Scientific Advisory Board:

Homer Boushey – University of California, San Francisco, USA
William Busse – University of Wisconsin, Madison, Wisconsin, USA
Rob Lemanske – University of Wisconsin, Madison, Wisconsin, USA
John Price – King's College London, University of London, UK
Paul O'Byrne – McMaster University, Hamilton, Ontario, Canada
Stephen Rennard – University of Nebraska Medical Center, Omaha, Nebraska, USA
Peter Sly – Telethon Institute for Child Health Research, Perth, Australia
Sanjay Sethi – University at Buffalo, SUNY, Buffalo, New York, USA
Wisla Wedzicha – University College London & Royal Free Hospital, London, UK

Synopsis:

This 2nd *International Congress on Exacerbations of Airway Disease (ICEAD II)* is intended to bring together leading experts from around the world to review the status of current research on acute exacerbation of asthma, pediatric asthma and COPD. Acute exacerbations of these diseases are major causes of morbidity, mortality and health care costs, yet their etiology and pathogenesis are poorly understood. They remain a major medical need, relatively poorly met by available therapies, both in terms of prevention and of treatment. This meeting will provide new insights into the Epidemiology, Etiology, Genetic Susceptibility to Exacerbation, Pathogenesis, Current Treatments, as well as Future Treatments. Support is available on a competitive basis to enable participation of young investigators. The format of the meeting encourages discussion and especially interactions between senior and junior investigators.



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Day One, Saturday, April 17, 2010

- 11:00 AM Registration Opens
- Session I Asthma Exacerbations in Childhood**
- 2:00 – 2:45 PM Epidemiology of Asthma Exacerbations in Childhood
Rob Lemanske, University of Wisconsin, Madison, Wisconsin, USA –
Confirmed
- 2:45 – 3:15 PM New Viruses and Asthma Exacerbations in Childhood
James Gern, University of Wisconsin, Madison, Wisconsin, USA –
Confirmed
- 3:15 – 3:45 PM Interactions between Viruses and Atopy in Asthma Exacerbations in
Childhood
Peter Sly, Telethon Institute for Child Health Research, Perth, Australia
- 3:45 – 4:15 PM Genetic Risk Factors in Asthma Exacerbations in Childhood
Fernando Martinez, Arizona Respiratory Center, University of Arizona,
Tucson, USA - **Confirmed**
- 4:15 – 4:45 PM Coffee Break
- Session II Pathogenesis of Asthma Exacerbations I**
- 4:45 – 5:15 PM Acute Severe Asthma Exacerbations in Children - Role of Viruses and
Genetics
Peter LeSouef, University of Western Australia, Crawley, WA, Australia –
Confirmed
- 5:15 – 5:45 PM Exacerbation Prone Asthma – Characteristics of the Phenotype and
Possible Susceptibility Factors
John Fahy, University of California, San Francisco, California, USA
- 5:45 – 6:15 PM Role of Innate Immunity in Asthma Exacerbations
Michael Edwards, Imperial College London, UK - **Invited**
- 6:15 – 6:45 PM LateBreakers X 2
- 7:00 – 9:00 PM Welcome Reception and Dinner



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Day Two, Sunday, April 18, 2010

Session III

Treatment/Prevention of Asthma Exacerbation in Childhood

- 8:00 – 8:30 AM A Role for Antibiotics in Treatment/Prevention of Asthma Exacerbations?
Nikos Papadopoulos, University of Athens, Greece
- 8:30 – 9:00 AM Role of Leukotriene Antagonists in Treatment/Prevention of Asthma Exacerbations
To be determined
- 9:00 – 9:30 AM Role of Steroids in Treatment/Prevention of Asthma Exacerbations
Jonathan Grigg, Royal London Hospital, London, UK - **Confirmed**
- 9:30 – 10:00 AM Future needs in Treatment/Prevention of Asthma Exacerbations in Childhood
John Price, Kings College, London, UK -
- 10:00 – 10:30 AM Coffee Break
- 10:30 – 11:00 AM LateBreakers X 2

Session IV

Asthma Exacerbation Pathogenesis II

- 11:00 – 11:30 PM The August Epidemic of Asthma Exacerbations
Thomas Pulimood, West Suffolk Hospital NHS Trust, Suffolk, United Kingdom - **Confirmed**
- 11:30 – 12:00 PM Role of T cells in Asthma Exacerbations
Sebastian Johnston, Imperial College London, UK – **Confirmed**
- 12:00 – 12:30 PM Role of Neutrophils in Asthma Exacerbations
Peter Gibson, University of Newcastle, Callaghan, New South Wales, Australia
- 12:30 – 3:00 PM Mid Day Break
- 3:00 – 3:30 PM Role of Eosinophils in Asthma Exacerbations
William Busse, University of Wisconsin, Madison, Wisconsin, USA - **Confirmed**
- 3:30 – 4:00 PM Role of Mast Cells in Asthma Exacerbations
Peter Bradding, Institute for Lung Health, Leicester, United Kingdom
- 4:00 – 4:30 PM Molecular Mechanisms of Asthma Exacerbations
David Proud, University of Calgary, Alberta, Canada



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Session V

Treatment of Asthma & COPD Exacerbations

4:30 – 5:00 PM

Monitoring Disease in Prevention of Asthma & COPD Exacerbations
Ian Pavord, Institute for Lung Health, Leicester, United Kingdom -
Confirmed

5:00 – 5:30 PM

Coffee Break

5:30 – 6:00 PM

New Approaches to Treatment/Prevention
Anthony Coyle, MedImmune, Gaithersberg, USA - **Confirmed**

6:00 – 6:30 PM

Anti-Viral Approaches in Exacerbations
Jonathan Sadeh, Schering Plough Research Institute, Kenilworth, New
Jersey, USA

6:30 – 7:00 PM

Combination Therapies for Treatment/Prevention of Exacerbations
Paul O'Byrne, Hamilton, Ontario

7:00 – 7:30 PM

LateBreakers X2

7:30 – 8:30 PM

Wine/Cheese Reception
Poster Session



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Day Three, Monday, April 19, 2010

Session VI

Pathogenesis of COPD Exacerbations

8:00 – 8:30 AM

Impact of Exacerbations on COPD
Wisla Wedzicha, University College London & Royal Free Hospital,
London, UK - **Confirmed**

8:30 – 9:00 AM

Bacterial & Viral Infections in COPD Exacerbations
Sanjay Sethi, University at Buffalo, SUNY, Buffalo, New York, USA

9:00 – 9:30 AM

Role of Smoking Cessation in COPD Exacerbations
TBD

9:30 – 10:00 AM

A Human Experimental Model of COPD Exacerbation
Patrick Mallia, Imperial College London, UK - **Confirmed**

10:00 – 10:30 AM

Latebreakers X2

10:30 – 11:00 AM

Coffee Break

Session VII

Treatment/Prevention of COPD Exacerbations

11:00 – 11:30 AM

Use of Biomarkers in Determining Treatment of COPD Exacerbations
Chris Brightling, University of Leicester - *Invited*

11:30 – 12:00 PM

Role of Macrolides and other Antibiotics in COPD exacerbations
Terence Seemungal, University of West Indies, Trinidad and Tobago -
Confirmed

12:00 – 12:30 PM

Role of Steroids in COPD Exacerbations
Peter Barnes, National Heart and Lung Institute, London, UK -
Confirmed

12:30 – 1:00 PM

Role of Long Acting Bronchodilators in COPD Exacerbations
To be determined

1:00 – 1:30 PM

Late Breakers x2

1:30 – 2:00 PM

Future Directions & Summary
Homer Boushey, University of California, San Francisco, USA -