

# ERS LUNG SCIENCE CONFERENCE 2008

## Lung Injury, Repair, and Remodelling

### Conference Chairman:

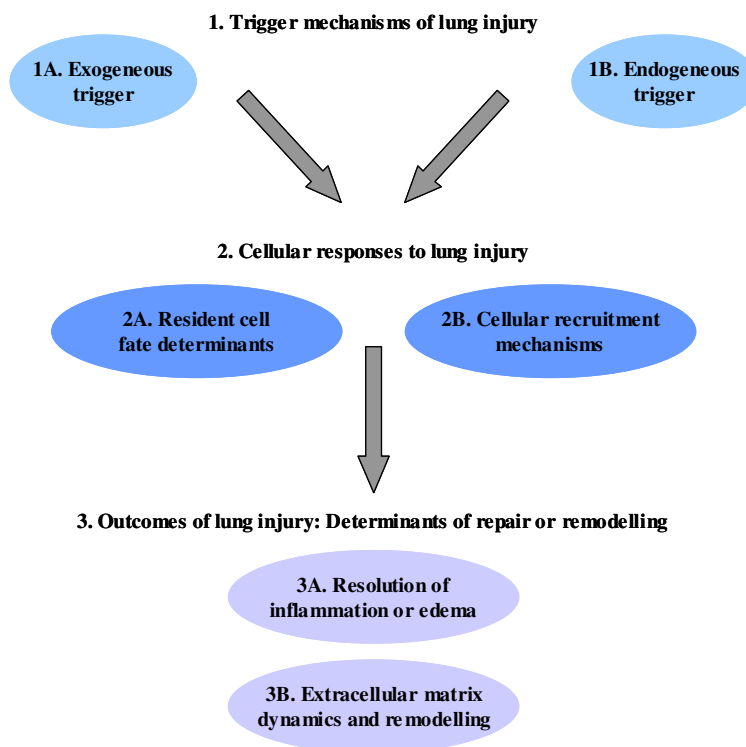
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### Scientific Programme Coordinators:

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The ERS Lung Science Conference (LSC) 2008 will cover the topic of lung injury, repair, and remodelling. The scientific program of the conference will follow the chronological sequence of lung injury and its various outcomes that depend on the severity of the initial insult, genetic susceptibility, and/or host defence. The topical sessions will be grouped into themes that are operative in lung injury, rather than into disease-specific sessions. In brief, we chose the following themes to be covered in depth during the LSC 2008.



On the following pages, please find the detailed outline of speakers and topics we suggest for this conference, who will provide not simply a basic overview of the selected topics, but moreover cutting edge insight into novel paradigms of lung injury. In detail, we propose 6 main symposia for the LSC2008, each of the symposia lasting between 1.5 to 2 hours total, depending on the number of invited speakers. The symposia will include 2-3 invited speakers (20 min talk + 10 min discussion) and, if time permits, 2 short talks that will be chosen from the abstract submissions (10 min talk + 5 min discussion).

In addition to these symposia, we will integrate 2 additional slots for a “Young Scientist Competition” (the six best graded abstracts from all submissions, each consisting of a 10 min talk + 10 min discussion) and a Poster Discussion including a “Best Poster Competition”. Both of these sessions will be judged by a scientific committee to be determined. The top three of each category should be awarded with an as of yet to be determined distinction (possibly including an award and a free registration to the ERS conference). In addition, we would rearrange the mentoring sessions to informal gatherings: 4 students/young scientists per mentor meet their mentor over coffee break/lunch for 1 hour for an informal discussion. Lastly, we will assign 6-8 panellists for each session, and we propose to mix established scientists and junior investigators (3 each) for this purpose, who will engage and foster a critical discussion in each session. Overall, the mood we would to foster for the LSC2008 should be “*Advancing our knowledge and skills through critical and intense discussion*”.

# ERS Lung Science Conference 2008 - Estoril, Portugal - 3<sup>rd</sup> draft

## Friday March 14, 2008 (DAY 1)

**09:00 – 09:45: Friday Opening Lecture:** Tom Kirkwood, Newcastle University, UK: “Ageing: Too fast by mistake”

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### **10:00 – 12:00: Session 1: Trigger mechanisms of lung injury – Part I (+ 2 speakers chosen from the abstracts)**

**Invited Speaker:** Tom van der Poll, University of Amsterdam, The Netherlands: “Two-way interactions between inflammation and coagulation during lung injury”

**Invited Speaker:** Peter J. Barnes, National Heart and Lung Institute, London, UK: “The role of oxidative stress in COPD”

**Invited Speaker:** Michael A. Matthay, University of California San Francisco, CA, USA: “Markers of alveolar epithelial barrier dysfunction in lung injury”

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### **13:30 – 15:00: Session 2: Trigger mechanisms of lung injury – Part II (+ 2 speakers chosen from the abstracts)**

**Invited Speaker:** Stephen T. Holgate, Southampton General Hospital, UK: “Genetic susceptibility to asthma/airway remodelling”

**Invited Speaker:** Vuokko L Kinnula, University of Helsinki, Finland: “Cigarette smoke, antioxidant enzymes, and antioxidant strategies in airway diseases”

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### **15:30 – 17:00: Session 3: Cellular responses to injury – Part I: Resident cell fate determinants (+ 2 speakers chosen from the abstracts)**

**Invited Speaker:** Masayuki Miura, University of Tokyo, Japan: “Caspases as regulatory molecules for immunity and cell-fate determination

**Invited Speaker:** Hal A. Chapman, University of California San Francisco, CA, USA: “Epithelial-mesenchymal transition in lung injury”

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### **17:30 - 19:30: Poster party / Poster discussion sessions**

**19:30: Welcome reception and dinner**

**Saturday March 15, 2008 (DAY 2)**

**08:30 – 09:15: Saturday Opening Lecture:** Gottfried Schatz, University of Basel, Switzerland:  
“Europe's innovation barriers”

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**09:15 – 10:45: Session 4: Cellular response to lung injury – Part II: Cellular recruitment mechanisms**

**Invited Speaker:** Cory Hogaboam, University of Michigan, MI, USA: “Cellular recruitment mechanisms following lung injury”

**Invited Speaker:** Boris Hinz, Ecole Polytechnique Federale de Lausanne, Switzerland: “Function of the myofibroblast during tissue repair”

**Invited Speaker:** Robert Strieter, University of Virginia, VI, USA: “The contribution of bone marrow derived progenitor cells to lung remodelling”

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**11:00 - 13:00: Young Investigator Award session (6 best graded abstracts compete in an oral presentation session (20 min each))**

**16:00 - Social event**

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**Sunday March 16, 2008 (DAY 3)**

**08:30 – 10:30: Session 5: Outcomes of lung injury: Resolution of lung inflammation (+ 2 speakers chosen from the abstracts)**

**Invited Speaker:** Sadis Matalon, University of Alabama, AL, USA: “Resolution of alveolar edema following viral injury”

**Invited Speaker:** John Savill, University of Edinburgh, UK: “Resolution of inflammation: the beginning programs the end”

**Invited Speaker:** Bart Lambrecht, Erasmus Medical Center, The Netherlands: “Lung dendritic cell functions during lung injury and repair”

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**11:00 – 13:00: Session 6: Outcomes of lung injury: ECM dynamics and remodelling (+ 2 speakers chosen from the abstracts)**

**Invited Speaker:** Gillian Murphy, University of Cambridge, UK: “Matrix metalloproteinases: Central role in ECM remodelling”

**Invited Speaker:** Alain Tedgui, Institut National de la Santé et de la Recherche Médicale U. 689, Paris, France: “The cytokine balance and matrix deposition in atherosclerosis: The task of disease reversibility”

**Invited Speaker:** Jack Gauldie (Canada): “The fate of lung fibrosis: Reversible or not?”

**13:30 – Lunch and departure**