

**From website:**

**[http://cluster15.erasmusmc.nl/seminar\\_chronic\\_lung\\_disease/?Program](http://cluster15.erasmusmc.nl/seminar_chronic_lung_disease/?Program)**

## Program

Molecular and Cellular Aspects of Chronic Lung Disease

Thursday 18 June 2009

*11-13 hr reception-informal lunch for faculty and workshop attendants.*

### Keynote lectures

13-17 hr Main Lecture Hall 7 Erasmus MC

**Cystic Fibrosis lung disease, from animal models to experimental therapeutics.**

Bob J Scholte

Cell biology dept, ErasmusMC Rotterdam, NL

**A Transcriptional Network Controlling Normal Goblet Cell Differentiation and Mucous Production**

Jeffrey Whitsett

Cincinnati Children's Hospital Medical Center, Cincinnati, USA

**Targeting Dendritic cells to better understand Asthma.**

Bart Lambrecht

Department of internal medicine, University of Gent, Be

**Chronic Epithelial Injury as Patho-mechanistic principle in Diffuse Parenchymal Lung Disease**

Andreas Guenther

Lung Centre, University of Giessen, Ge

**Phenotypic Analysis of a Ferret Model of Cystic Fibrosis**

John F Engelhardt

Department of Anatomy and Cell Biology, University of Iowa, USA

*Dinner/Get together for faculty and workshop participants*

## Workshop Friday 19 (Hall A JNI)

### Models of Lung Disease 1

9-10.30

- Use of Airway Epithelial Cell Cultures in Inflammatory Lung Disease Research. Pieter Hiemstra  
(RU Leiden)
- Chronic Airway Inflammation promotes de novo Sensitisation to Inhaled allergen by persistent Activation of Dendritic cells. Leonie van Rijt  
(University Amsterdam)
- Chronic Lung Disease in CF mouse models, role of macrophages, treatment with azythromycin. Teresinha Leal  
(University Brussels)

### Models of Lung Disease 2

11-12.30

- Mouse models of Bacterial Infection. Anna van Heeckeren  
(Case Western university  
Ohio, USA)
- Acute and long term responses to LPS in CF mutant mice. Marie Egan  
(Yale university, CT USA)
- Physiologic assessment of lung disease in mice Wim Janssens (Leuven, Be)

*Lunch, meet the experts (pre- registration per topic)*

### Developmental Aspects 14.00-15.00

- Lung Embryology, congenital abnormalities Robbert Rottier (ErasmusMC)
- Modifier Genes in CF mouse and man Inez Bronsveld (University  
Utrecht)

### Tools of Discovery

15.30-17.30

- Mutant mice, from ES cells to chimera, maintenance and husbandry Alex Maas (Erasmus MC)
- Transcriptomics, microarrays and QPCR, data-mining Andrew Stubbs (Erasmus  
MC)
- From Electrophysiology to Pathology David Sheppard (University  
Bristol)

*Dinner/Get together*

## Saturday 9-12.30 hr (Hall A JNI)

### Experimental pharmaceuticals 1

9.00-10.30

Fenritinide inhibits expression of inflammatory cytokines, relevance to Cystic fibrosis therapy.

Danutha Radzioch  
(McGill University, Montreal)

Gene transfer technology, viral and nonviral vectors

Uta Griesenbach (Imperial College,  
London)

Activators and potentiators of CFTR

M Wilke (Erasmus MC)

### Experimental pharmaceuticals 2

11.00-12.30

The phosphodiesterase type 4 inhibitor roflumilast suppresses inflammation and mucus production in a rat model that recapitulates aspects of an acute COPD exacerbation.

Kathy Banner (Novartis, GBR)

A key role of 12-lipoxygenase in mucin expression, the use of inhibitors in the treatment of cystic fibrosis.

Lhousseine Touqui (Pasteur,  
Paris).

In vivo delivery of inhibitory RNA, pitfalls and promises

Bob Scholte (Erasmus MC)

*Conclusions and discussion: Faculty Forum*

*12.30-15 Lunch, adjourn.*