

# Reprogramming the Lung

*Strategies for the conditional expression of transgenes in lung cells*



**The third scientific symposium of the  
University of Giessen and Marburg Lung Center School**

**Kloster Arnsburg, Hessen, Germany  
18<sup>th</sup> – 19<sup>th</sup> April, 2011**



**LOEWE** – Landes-Offensive  
zur Entwicklung Wissenschaftlich-  
ökonomischer Exzellenz

## Monday, 18<sup>th</sup> April 2011

**08:45 – 09:00 Welcome**

Rory E. Morty and Thomas Braun

**09:00 – 10:00 Keynote Address**

BRIAN SAUER (Kansas City)

*How Cre-lox Came to be Recruited and Developed for Genome Engineering*

**10:00 – 10:30 Coffee break**

**10:30 – 12:30 Reprogramming the Vasculature**

Chairs: Oleg Pak and Nicola Kuse

10:30 – 11:30 GEORG BREIER (University Hospital Dresden)

*Targeting the Endothelium*

11:30 – 12:30 ANGELA WIRTH (University of Heidelberg)

*Targeting the Smooth Muscle*

**12:30 – 14:00 Lunch**

**14:00 – 18:00 Reprogramming the Epithelium I**

Chairs: Anja Buchbinder and Benno Grzesik

14:00 – 15:00 LELAND DOBBS (University of California at San Francisco)

*Targeting the Alveolar Epithelium: Part I*

15:00 – 16:00 PER FLODBY (University of Southern California)

*Targeting the Alveolar Epithelium: Part II*

**16:00 – 16:30 Coffee break**

**14:00 – 18:00 Reprogramming the Epithelium II**

Chairs: Leland Dobbs and Nieves Gabrielli

16:30 – 17:30 MARCUS MALL (University of Heidelberg)

*A New-Generation Reverse Tetracycline Transactivator System for Quantitative Control of Conditional Gene Expression in the Murine Lung*

17:30 – 18:00 Discussion: Targeting the Epithelium (led by Leland Dobbs)

**18:00 – 19:00 Optional guided tour of the cloister and ruins**

**19:00 Dinner**

## Tuesday, 19<sup>th</sup> April 2011

### 09:00 – 11:00 MORNING SESSION I

Chairs: BreAnne Mackenzie and Martin Hühn

### 09:00 – 10:00 Keynote Address

HERMANN BUJARD (University of Heidelberg)

*Controlling Gene Activities via Tetracyclines: Principles and Advances*

10:00 – 11:00 MORITZ ROSSNER (Max Planck Institute for Experimental Medicine)

*WORKSHOP 1: The Split-Cre and Split-TEV System*

### 11:00 – 11:30 Group photograph, followed by coffee break

### 11:30 – 13:00 MORNING SESSION II

Chair: Piera de Gaspari

11:30 – 13:00 EMMA RAWLINS (Cambridge University)

*WORKSHOP 2: Lineage Tracing*

### 13:00 – 14:30 Lunch

### 14:30 – 16:45 AFTERNOON SESSION

Chairs: Robert Voswinckel and Peter Rauschkolb

14:30 – 15:30 ANNE-KARINA PERL (University of Cincinnati)

*WORKSHOP 3: Cautionary Notes on Inducible Gene Expression*

15:30 – 16:30 SAVERIO BELLUSCI (University of Giessen)

*WORKSHOP 4: Targeting the Fibroblasts?*

16:30 – 16:45 **Concluding remarks** (Rory E. Morty)

17:00 **Bus departure from Kloster Arnsburg to Giessen**

18:00 **Dinner for speakers and guests staying overnight**

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The symposium webpage is:

[www.uni-giessen.de/cms/ugmlc/symposia/reprogramming](http://www.uni-giessen.de/cms/ugmlc/symposia/reprogramming)

The scientific organisers are:

Rory E. Morty, Grażyna Kwapiszewska, Dorothea M. Peters, Leigh M. Marsh and Werner Seeger  
of the University of Giessen and Marburg Lung Center

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