Programming the Lung

Epigenetic control of lung biology through histone and chromatin modification



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

> Schlosshotel Weilburg, Hessen, Germany 12th – 13th November, 2012







Exzellente Forschung für Hessens Zukunft



Monday, 12th November 2012

08:45	Student bus arrival from Giessen
08:45 - 09:00	Badge pickup (coffee available)
09:00 - 09:15	Welcome (Rory E. Morty, Dorothea M. Peters, Florian Veit)
09:15 - 10:45	Asthma and Airway Inflammation Chairs: Nieves Gabrielli and Gani Oruqaj
09:15 - 10:00	DAVID A. SCHWARTZ (National Jewish Health, Denver) Asthma: an epidemic caused by epigenetics
10:00 - 10:45	IAN M. ADCOCK (Imperial College, London) Chromatin modifications and non-coding RNAs in airway inflammation
10:45 - 11:15	Coffee break
11:15 – 12:45	COPD and ALI Chairs: Łukasz Wujak and Mariola Bednorz
11:15 – 12:00	IRFAN RAHMAN (University of Rochester) Sirt1 deacetylase and senescence in COPD
12:00 - 12:45	BERND SCHMECK (University of Marburg) Chromatin modifications in pneumonia and acute lung injury
12:45 - 14:15	Group photograph, followed by lunch
14:15 – 15:45	Lung Cancer Chairs: Aleksandra Tretyn and Alicia Madurga-Hernández
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Tuesday, 13th November 2012

09:00 - 11:00	Morning Session: Lung Development I Chairs: Elpidoforos Sakkas and Adriana Contreras
09:00 - 09:45	ROBERT H. LANE (University of Utah, Salt Lake City) Early life events affect pulmonary epigenetics
09:45 - 10:30	MARIA I. RAMIREZ (Boston University) Interactions of long non-coding RNAs and histone modifying proteins contribute to lung gene regulation in development and disease
10:30 - 11:00	Coffee break
11:00 – 12:00	Morning Session: Lung Development II Chairs: Tatyana Likhoshvay and Elie El Agha
11:00 - 11:45	WEI SHI (Children's Hospital Los Angeles) MMP9 expression controlled by a TGF- β /SIRT1 epigenetic mechanism plays a critical role in alveolar homeostasis
11:45 – 12:30	GUILLERMO BARRETO (Max Planck Institute, Bad Nauheim) HMGA2 mediated epigenetic regulation of GATA6 controls epithelial WNT signaling during lung development and homeostasis
12:30 - 14:00	Lunch
14:00 - 18:00	METHODOLOGY WORKSHOP: Next Generation Sequencing Workshop Leader: THOMAS WERNER (Munich/Ann Arbor) <u>Note</u> : This workshop includes two short coffee breaks
18:00 - 18:10	Closing (Rory E. Morty)
18:30	Student bus departure from Weilburg to Giessen
19:00	Dinner for speakers and guests staying overnight (Weilburg)

Notes