

27. Ernst Klenk Symposium in Molecular Medicine

Lipid metabolic diseases: novel developments in molecular pathology and therapy

October 02 – 04, 2011

Program

CMMC Scientific Organizers

Angelika A. Noegel, Wilhelm Stoffel, Jens C. Brüning, Wilhelm Krone

Certified with a total of 17 points by the
Nordrheinische Akademie für ärztliche Fort- und Weiterbildung, Düsseldorf

Venue

Main Lecture Hall of the Centers for
Biochemistry and Physiology
Medical Faculty
University of Cologne
Joseph-Stelzmann-Str. 52
D-50931 Cologne

Participation in the meeting is free of charge.

Further information and free registration:

www.zmmk.uni-koeln.de

Organization

Center for Molecular Medicine Cologne (CMMC)

We gratefully acknowledge support from:

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Sunday – October 02, 2011

2.00 p.m.

Welcome Address

Thomas Krieg
Dean – Faculty of Medicine of the University of Cologne

Martin Krönke
Vice Chairman – Center for Molecular Medicine Cologne (CMMC)

Session I:

Novel tools in the molecular pathology of metabolic diseases

Chair:

Edward A. Dennis – University of California, La Jolla, USA
Wilhelm Stoffel – Laboratory of Molecular Neuroscience, Cologne, Germany

2.10 – 2.55 p.m.

Renaissance of lipidology

H. Alex Brown
Vanderbilt University School of Medicine, Nashville – USA

2.55 – 3.40 p.m.

Metabolomic approaches to study lipid metabolism

Debora Marie Muoio
Duke University School of Medicine, Durham – USA

3.40 – 4.15 p.m.

Coffee Break

4.15 – 5.00 p.m.

The *Drosophila* model in lipometabolism disease research

Ronald P. Kühnlein
Max Planck Institute for Biophysical Chemistry, Göttingen – Germany

5.00 – 5.45 p.m.

NAD⁺ sensors and metabolic control

Johan Auwerx
Ecole Polytechnique Fédérale de Lausanne, Lausanne – Switzerland

5.45 – 6.30 p.m.

Mouse macrophage lipidome

Edward A. Dennis
University of California, La Jolla – USA

6.30 p.m.

Welcome Get-Together with Fingerfood for all Participants

Monday – October 03, 2011

Session II:	Pathophysiology of lipid metabolism and cholesterol homeostasis
Chair:	Angelika A. Noegel – Institute for Biochemistry I, Cologne, Germany Thomas Benzing – Department IV of Internal Medicine, Cologne, Germany
9.00 – 9.45 a.m.	Lipolysis: crossroads between lipid signaling and lipid metabolism Rudolf Zechner Karl Franzens University Graz, Graz – Austria
9.45 – 10.30 a.m.	Fatty acid synthesis, hepatic steatosis and insulin resistance: lessons from genetically engineered mice Catherine Postic Institut Cochin, Paris – France
10.30 – 10.50 a.m.	<i>Coffee Break</i>
10.50 – 11.35 a.m.	MicroRNA regulation of cholesterol metabolism Carlos Fernández-Hernando New York University School of Medicine, New York – USA
11.35 – 12.20 p.m.	Macrophage cholesterol transport Theo J.C. van Berkel Universiteit Leiden, Leiden – The Netherlands
12.20 – 2.00 p.m.	<i>Lunch Break</i>
Session III:	Atherosclerosis, inflammation and thrombosis
Chair:	Wilhelm Krone – Department II of Internal Medicine, Cologne, Germany
2.00 – 2.45 p.m.	Functional validation of novel lipid and MI genes identified by GWAS Daniel J. Rader Univ. of Pennsylvania Medical Center, Philadelphia – USA
2.45 – 3.30 p.m.	Cardiolipotoxicity Ira Goldberg Columbia University, New York – USA
3.30 – 3.50 p.m.	<i>Coffee Break</i>
3.50 – 4.35 p.m.	Accelerated atherosclerosis in autoimmune rheumatic diseases Jan W. Cohen-Tervaert University of Maastricht, Maastricht – The Netherlands
4.35 – 5.20 p.m.	Oxidation-specific epitopes are a general target of innate immunity: implications for health and disease Joseph L. Witztum University of California, La Jolla – USA
5.20 – 6.00 p.m.	<i>Coffee Break</i>
6.00 – 7.00 p.m.	Laudation: Wilhelm Stoffel, University of Cologne, Germany Ernst Klenk Lecture Surviving starvation: essential role of the Ghrelin-growth hormone axis Joseph L. Goldstein and Michael Brown University of Texas Southwestern Medical Center, Dallas – USA

Tuesday – October 04, 2011

Session IV:	Obesity and insulin resistance
Chair:	Jens C. Brüning – Institute for Genetics, Cologne, Germany Michael W. Schwartz – Univ. of Washington, Seattle, USA
9.00 – 9.45 a.m.	Metabolic syndrome and lipotoxicity Adipose tissue: remodelling, inflammation and apoptosis Philipp E. Scherer University of Texas Southwestern Medical Center, Dallas – USA
9.45 – 10.30 a.m.	Lipid droplets and triglyceride metabolism Robert V. Farese Jr. University of California, San Francisco – USA
10.30 – 10.50 a.m.	<i>Coffee Break</i>
10.50 – 11.35 a.m.	New insights into obesity pathogenesis: a hypothalamic perspective Michael W. Schwartz University of Washington, Seattle – USA
11.35 – 12.20 p.m.	Metabolic insights from extreme human phenotypes David B. Savage University of Cambridge, Cambridge – UK
12.20 – 12.50 p.m.	Summary, Open Questions, Concluding Remarks

General Information

The meeting is open and no registration or attendance fee is required.

Further information: www.zmmk.uni-koeln.de

Free registration at: klenk-symposium@uni-koeln.de

For selected hotels with pre-reservations for the 27. Ernst Klenk Symposium please visit:
http://www.zmmk.uni-koeln.de/common/klenk_2011/hotelliste_klenk_2011.pdf

Contact

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Childcare is provided by Spielland, University of Cologne.
Registration is required.

For directions please visit: <http://www.medizin.uni-koeln.de/zb/zik/anfahrt>

For a site map please visit:
http://www.zmmk.uni-koeln.de/content/klenk_symposium_2011/venue