



**UNIVERSITÀ
DI PARMA**

**DIPARTIMENTO DI SCIENZE
DEGLI ALIMENTI E DEL FARMACO**



**Karolinska
Institutet**

University of Parma - Karolinska Institutet IV Workshop on Lipid Metabolism and Vascular Biology

Parma, Centro S. Elisabetta – Campus Universitario
8-10 October, 2018

Organized by

Franco Bernini (University of Parma, Italy) and Paolo Parini (Karolinska Institutet, Sweden)

SCIENTIFIC and LOCAL COMMITTEE

Ilaria Zanotti, Maria Pia Adorni, Nicoletta Ronda, Francesca Zimetti (University of Parma, Italy)
Matteo Pedrelli (Karolinska Institutet, Sweden)



SEZIONE REGIONALE EMILIA ROMAGNA



PROGRAMME

Monday, October 8, 2018

15:00 - 15:20 Arrival and registration

15:20 - 15:30 Welcome address

Invited lecture

15:30 – 16:10 Turning trash to treasure: targeting endothelial non-coding RNAs in atherosclerosis
Mark Feinberg (Harvard Medical School, USA)

Symposium on atherosclerosis and vascular biology

16:10 – 16:30 Atherosclerosis is modulated by PLIN2 through a feed-forward loop between LXR and autophagy
Shirin Pourteymour (Karolinska Institutet, Sweden)

16:30 – 16:50 Molecular mechanisms of carotid and femoral atherosclerosis
Anton Razuvaev (Karolinska Institutet, Sweden)

16:50 – 17:10 Immunometabolic role of apolipoprotein E at the crossroads between systemic and immune cells cholesterol metabolism
Fabrizia Bonacina (University of Milano, Italy)

17:10 – 17:30 Coffee break

17:30 – 17:50 Correlation of computed tomography with carotid plaque transcriptomes associates calcification to lesion-stabilization
Eva Karlöf (Karolinska Institutet, Sweden)

17:50 – 18:10 Lipoprotein(a) levels and association to cardiovascular disease in patients with diabetes mellitus type 1
Karin Littman (Karolinska Institutet, Sweden)

18:10 – 18:30 Sphingosine 1-phosphate (S1P)/S1P receptor 1 (S1P1) axis as a modulator of macrophage functions
Enrica Scalera (University of Parma, Italy)

18:30 – 18:50 Sphingosine 1-phosphate (S1P)/S1P1 axis and its role in insulin resistance
Simone Battista (University of Parma, Italy)

18:50 – 19:10 Role of sphingosine 1-phosphate (S1P) and its receptor
S1P3 in the reverse cholesterol transport
Bianca Papotti (University of Parma, Italy)

Free evening

Tuesday, October 9, 2018

Invited lecture

9:15 – 9:55 Macrophage contribution to insulin resistance
independently of inflammation
Myriam Aouadi (Karolinska Institutet, Sweden)

Symposium on lipid metabolism and related pathologies

9:55 – 10:15 ABCA1- and ABCG1-mediated cholesterol efflux capacity
of cerebrospinal fluid is impaired in Alzheimer's disease
Cinzia Marchi (University of Parma, Italy)

10:15 – 10:35 CRISPR-mediated correction of rare liver diseases
Tomas Jakobsson (Karolinska Institutet, Sweden)

10:35 – 10:55 Lipoprotein and lipid metabolism in liver-humanized mice
Mirko Minniti (Karolinska Institutet, Sweden)

10:55 – 11:15 Oxysterol metabolism in intestinal barrier functions
Srustidhar Das (Karolinska Institutet, Sweden)

11:15 – 11:35 Roles of TGIF1 in lipid metabolism
Camilla Pramfalk (Karolinska Institutet, Sweden)

11:35 – 11:55 Genetic hypoalphalipoproteinemia and inflammation:
the role of monocytes
Chiara Pavanello (University of Milano, Italy)

11:55 – 13:00 Light lunch

Invited lecture

13:00 – 13:40 Fatty acids as master controllers of inflammation
Philip Calder (University of Southampton, UK)

Symposium on nutrition, lipid metabolism and inflammation

13:40 – 14:00 Dietary polyphenols and cardio-metabolic disease prevention:
an overview
Pedro Mena (University of Parma, Italy)

14:00 – 14:20 Insulin-like growth factor binding protein 7 (Igfbp7) secreted
by liver macrophages directly regulates liver metabolism
Cecilia Morgantini (Karolinska Institutet, Sweden)

14:20 – 14:40 Tryptophan metabolism in atherosclerosis - inflammation and lipid metabolism
Martin Berg (Karolinska Institutet, Sweden)

14:40 – 15:00 Bile acid deficiency in gallstone disease
Amit Laskar (Karolinska Institutet, Sweden)

15:00 – 15:20 Stearic acid induced lipotoxicity in circulating myeloid angiogenic cells:
a network between inflammation, apoptosis and metabolism
Valentina Spigoni (University of Parma, Italy)

Free afternoon

19:30 - 23:00 Social Event (restaurant Gallo D'Oro, Borgo della Salina 3, Parma)

Wednesday, October 10, 2018

Invited lecture

9:15 – 9:55 Modulation of CNS lipids in the treatment of neurodegenerative
diseases
Monique Mulder (Erasmus University Medical Center, The Netherlands)

Symposium on pharmacological modulation of lipid metabolism and inflammation

9:55 – 10:15	Sphingosine 1-phosphate (S1P) in cardiovascular system: good, bad or both? Francesco Potí (University of Parma, Italy)
10:15 – 10:35	Sphingolipids and inflammation: what's new? Irene Zini (University of Parma, Italy)
10:35 – 10:55	Pharmacological modulation of sphingosine-1-phosphate receptors in mesenteric ischemia-reperfusion Valentina Vivo (University of Parma, Italy)
10:55 – 11:15	Ezetimibe in combination with simvastatin reduces remnant-cholesterol without affecting biliary lipid concentrations in gallstone patients Osman Ahmed (Karolinska Institutet, Sweden)
11:15 – 11:35	Hormonal effects on liver function Christina Savva (Karolinska Institutet, Sweden)
11:35 – 11:55	Long-term exposure to air pollution raises circulating levels of PCSK9 Chiara Macchi (University of Milano, Italy)
11:55	Closing Remarks

Have a nice trip back home and hope to see you also next time in Stockholm!!

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