



**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)



**SOCIETÀ ITALIANA  
PER LO STUDIO  
DELL'ARTERIOSCLEROSI**

**SEZIONE REGIONALE EMILIA ROMAGNA**



**SCUOLA DI STUDI  
SUPERIORI IN  
ALIMENTI E NUTRIZIONE**

## PROGRAMME

### Monday, October 8, 2018

15:00 - 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? <b>Francesco Potí</b> (University of Parma, Italy)
10:15 – 10:35	Sphingolipids and inflammation: what's new? <b>Irene Zini</b> (University of Parma, Italy)
10:35 – 10:55	Pharmacological modulation of sphingosine-1-phosphate receptors in mesenteric ischemia-reperfusion <b>Valentina Vivo</b> (University of Parma, Italy)
10:55 – 11:15	Ezetimibe in combination with simvastatin reduces remnant-cholesterol without affecting biliary lipid concentrations in gallstone patients <b>Osman Ahmed</b> (Karolinska Institutet, Sweden)
11:15 – 11:35	Hormonal effects on liver function <b>Christina Savva</b> (Karolinska Institutet, Sweden)
11:35 – 11:55	Long-term exposure to air pollution raises circulating levels of PCSK9 <b>Chiara Macchi</b> (University of Milano, Italy)
11:55	Closing Remarks

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

Supported by:



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