

## **Symposium 3 | *Cardiovascular and metabolic diseases***

**Organizers:** G. Vilahur (ES), V. Randriamboavonjy (DE), L. Liberale (IT)

**Day:** Wednesday June 8, Thursday June 9, Friday 10 June

### **Wednesday June 8**

#### **14:00-16.00 Session 1 : Lipoproteins in the cardiovascular system**

**Chairs:** Fabrizio Montecucco and Patricia Alonso Mendes

##### **1.- Restoring HDL function: the power of diet**

Gemma Vilahur 56ASM-0318 (no abstract)  
Barcelona, Spain  
gvilahur@santpau.cat

##### **2.- Drivers of atherosclerosis: the post-lipoprotein era**

Luca Liberale 56ASM-0319 (no abstract)  
Genoa, Italy  
Luca.liberale@unige.it

##### **3.-Familial hypercholesterolemia: towards personalized medicine.**

Teresa Padro 56ASM-0320 (no abstract)  
Barcelona, Spain  
tpadro@santpau.cat

#### **Oral presentations: 2 presentations: 10min+5min Q&A**

##### **1. PCSK9's role in cholesterol uptake in different liver cell lines: a specific function in hepatic stellate cells**

Aureli Luquero 56ASM-0166  
Spain

##### **2. A new crosstalk between dopaminergic and ghrelin/NPY signalling in white adipose tissue as a potential therapeutic target in obesity**

Daniela Rosendo-Silva 56ASM-0133  
Portugal

#### **16:30-18.30 Session 2 : Cardiometabolic risk: old and new players**

**Chairs:** Voahanginirina Randriamboavonjy and Jamol Uzokov

##### **1 The role of platelets in vascular inflammation and remodeling**

Roery Koenen 56ASM-0321 (no abstract)  
Amsterdam, Netherlands

**2.- Arginase and associated Cardiometabolic Risk in women with Polycystic Ovary Syndrome**

Voahanginirina Randriamboavonjy 56ASM-0322

Frankfurt, Germany

Voahangy@vrc.uni-frankfurt.de

**3. Are the hormones prolactin or insulin involved in atherothrombosis?**

Marcel Twickler

Antwerp, Netherlands

**Oral presentations: 2 presentations: 10min+5min Q&A**

**1. Early assessment of bone-related cytokine predicts metabolic response to bariatric surgery.**

Andrea Lorenzo Poggi 56ASM-0149

Genoa, Italy

**2. Circulating exosomal biomarkers in patients with coronary artery disease and metabolic syndrome**

Nodirbek Kayumov 56ASM-0148

Uzbekistan

**Thursday June 9**

**09.00-10.45 Session 3 : Cardiovascular remodeling and heart failure**

**Cardiovascular remodeling and repair**

**Chairs:** Federico Carbone and Stefano Ministrini

**1. Advanced cardiac imaging techniques and myocardial tissue characterization.**

Andrea Igoren Guaricci

Bari, Italy

**2. Mesenchymal Stem Cells, Pro-angiogenic Growth Factors and Extracellular Matrix-Inspired Biomaterials: the perfect match for cardiac repair?**

Beatriz Pelacho 56ASM-0312

Pamplona

Spain

**Oral presentations: 2 presentations: 10min+5min Q&A**

**1. The effect of long-term physical exercise in older adults with multimorbidity: the impact on systemic inflammation**

Ana Pedrosa 56ASM-0192

Portugal

**2. Differential expression of ATP-sensitive potassium channel subunits in bypass grafts from patients with and without type-2 diabetes mellitus**

Jovana Rajkovic 56ASM-0003  
Serbia

**3. TP and TQ intervals are inversely related to diastolic dysfunction and HFpEF**

van Ommen A.M.L.N.  
Utrecht, Netherland

**11:00-12.00 Session 4 : Cardiovascular calcification**

**Chairs:** Jakub Regieli and Deeksha Malhan

**1. Vascular calcification**

Hendrik M Nathoe 56ASM-0323  
The Netherlands

**Oral presentations: 2 presentations: 10min+5min Q&A**

**1. Non-vitamin K antagonist oral anticoagulants (NOACs) attenuate valvular calcification in patients with severe aortic stenosis**

Magdalena Kopytek 56ASM-0139  
Poland

**2. A cellular senescence program induced by extracellular matrix**

Patricia Pitrez 56ASM-0096  
Portugal

**14:00-16.00 Session 5 : Metabolic disorders, inflammation and cardiovascular disease**

**Chairs:** Luca Liberale and Aldo Bonaventura

**1. LOX-1 and cardiovascular disease: pathophysiological and prognostic role**

Dr. Alexander Akhmedov 56ASM-0316  
University of Zurich, Switzerland  
alexander.akhmedov@uzh.ch

**2. An update on neutrophil function in CV diseases**

Prof. Fabrizio Montecucco 56ASM-0324  
University of Genoa, Italy  
Fabrizio.montecucco@unige.it

**3. Inflammatory cells in cardiovascular disease**

Prof. Yvonne Döring 56ASM-0325  
Ludwig-Maximilians-University of Munich  
Munich, D  
ed.uml.dem@gnireody.

**Oral presentations: 2 presentations: 10min+5min Q&A**

**1. Involvement of ion channels in heart failure-induced kidney dysfunction: a focus on inflammation**

Maria Antonietta Copola 56ASM-0154  
Bari, Italy

**2. Efficacy of diet with low glycemic index in atherosclerotic coronary artery disease**

Uzokov Jamol 56ASM-0156  
Uzbekistan

**16:30-18.00 Session 6 : Cardioprotection: still a long road ahead**

**Chairs:** Gemma Vilahur & Felipe Henrique Zuccolotto dos Reis

**1. Level Up: The Enigmatic Signal Transfer of Remote Ischemic Conditioning**

Petra Kleinbongarde 56ASM-0329  
Essen, Germany  
peter.ferdinandy@pharmahungary.com

**2. The Extracellular Matrix Metalloproteinase Inducer as a potential novel target in cardiac protection.**

Carlos Zaragoza 56ASM-0330  
Madrid, Spain  
c.zaragoza.prof@ufv.es

**3. Ischemia/reperfusion injury, cardioprotection and SGLT2 inhibitors.**

Ioanna Andreadou 56ASM-0331  
Athens, Greece  
jandread@pharm.uoa.gr

**Friday June 10**

**09.00-10.30 Session 7 :Ischemic vascular diseases**

**Chairs:** Voahanginirina Randriamboavonjy & Aldo Bonaventura

**1. “Thromboinflammation in CVD: Lessons learned from hypertension and (ischemic) heart failure”**

Philipp Wenzel 56ASM-0332  
Germany

**2. The power of translational research in acute ischemic stroke.**

Heleen van Beusekom 56ASM-0333  
Netherlands

**Oral presentations: 2 presentations: 10min+5min Q&A**

**1. Uric acid induces vascular smooth muscle cell migration through angiotensin II and proteasome.**

Federico Carbone 56ASM-0132  
Italy

# 56<sup>TH</sup> ANNUAL SCIENTIFIC MEETING

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BARI, ITALY

Promoting Biomedical Research,  
Equal Health and Environment in the  
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## **2. Extracellular vesicles secreted by mononuclear cells from umbilical cord blood induce neuroprotection and angiogenesis and attenuate microglia reactivity in a mouse model of brain ischemia**

Miguel Lino 56ASM-0170  
Portugal

### **11.00-12.00 Session 8 : Gut microbiota and CVD**

**Chairs:** Teresa Padro and Deeksha Malhan

#### **1. Microbiota axis and Cardiovascular Disease**

Gabriella Garruti 56ASM-0286  
Bari, Italy  
[gabriella.garruti@uniba.it](mailto:gabriella.garruti@uniba.it)

#### **Oral presentations: 2 presentations: 10min+5min Q&A**

#### **1. Impact of diet intervention and rosuvastatin treatment on the gut microbiota of hypercholesterolemic pigs**

Leonie Schoch 56ASM-0191  
Spain

#### **2. Early assessment of metabolic-related biomarkers osteopontin and resistin predicts early mortality in non-small cell lung cancer undergoing treatment with nivolumab.**

Davide Ramoni 56ASM-0169  
Italy