

Organizers:
Paulo J Oliveira
(Coimbra, Portugal)
Catarina R Oliveira
(Coimbra, Portugal)



Coimbra, Portugal, 22-24 May 2019



Symposium 3 | Circadian and Ageing-related Aspects of Cardiovascular and Metabolic Diseases

Organizers: Jakub Regieli (Utrecht, the Netherlands)
Fabrizio Montecucco (Genoa, Italy)
Luca Liberale (Zurich, Switzerland)
Pedro Monteiro (Coimbra, Portugal)
Robin Dullaart (Groningen, Netherlands)

Day: Wednesday 22 afternoon, Thursday 23 all day and Friday 24 morning
Meeting room: Wednesday 22 and Friday 24 : Meeting Room Copelia & Giselle, Hotel Vila Galé (Congress venue 1)
Thursday 23 : Meeting Room Estremoz, Hotel Dona Inés (Congress venue 2)

Wednesday, 22 May

14.00-16.00 Session 1: Inflammaging in atherosclerosis and acute ischemic complications

Chairs : Fabrizio Montecucco (Genoa, Italy)
Luca Liberale (Zurich, Switzerland)

14.00-14.15 **S3-O1 | DECREASED LIFE EXPECTANCY OF DESCENDANTS INDUCED BY INTRAUTERINE ENVIRONMENTAL ALTERATION IN GESTATIONAL OBESITY**
Diana-Elena Comandasu^{1,2}, Maria Mohora³, Bogdana Virgolici³, Claudia Mehedintu^{1,4}, Costin Berceanu⁵, Elvira Bratila^{1,2}

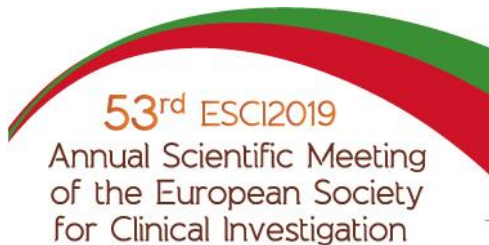
¹Carol Davila University Of Medicine And Pharmacy, Department of Obstetrics and Gynecology, Bucharest , Romania, ²Prof Dr Panait Sarbu Clinical Obstetrics And Gynecology Hospital, Bucharest, Romania, ³Carol Davila University Of Medicine And Pharmacy, Department of Biochemistry, Bucharest, Romania, ⁴Nicolae Malaxa Clinical emergency Hospital, Bucharest, Romania, ⁵Craiova University of Medicine and Pharmacy, Craiova, Romania

14.15-14.45 **S3-L1 | Ageing and Cardiovascular Diseases**
Lina Badimon (Barcelona, Spain)

14.45-15.00 **S3-O2 | PCSK9 CONCENTRATIONS IN DIFFERENT STAGES OF SUBCLINICAL ATHEROSCLEROTIC CHANGES AND THEIR RELATIONSHIP WITH INFLAMMATION**
Alina Putrya¹, Stefan Toth¹, Timea Toth², Zdenka Hertelyova³, Marianna Dvoroznakova¹, Daniel Pella¹
¹2nd Department Of Cardiology, Vusch A.s., Pavol Jozef Safarik University- Faculty Of Medicine, Kosice, Slovakia, ²Department of General Medicine, Faculty of medicine, UPJS, Kosice, Slovakia, ³Department of experimental medicine, Faculty of medicine, UPJS, Kosice, Slovakia

15.00-15.30 **S3-L2 | Exploring chronological and biological asynchrony at the vascular and neurocognitive levels**
Pedro Guimarães Cunha (Braga, Portugal)

15.30-15.45 **S3-L3 | Ageing genes in atherogenesis and acute ischemic complications**
Luca Liberale (Zurich, Switzerland)



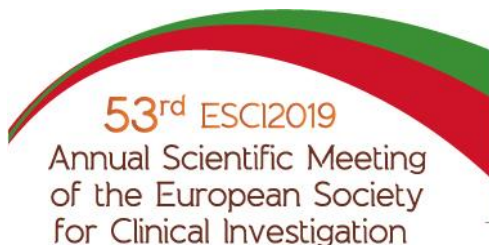
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- 15.45-16.00 **S3-L4 | EHD proteins mediate ubiquitin-dependent recycling of gap junctions (GJs) in the ischemic heart**
Tania Martins Marques¹, Steve Catarino¹, Claudia G Almeida², Henrique Girao¹
¹Coimbra Institute for Clinical and Biomedical Research (iCBR), Faculty of Medicine, University of Coimbra, Coimbra, Portugal, ²Chronic Diseases Research Center (CEDOC), NOVA Medical School, Faculdade de Ciências Médicas, Universidade NOVA de Lisboa, Lisboa, Portugal
- 16:00-16:30 Coffee-break
- 16.30-18.00 Session 2: Controversies in cardiovascular aging research and management**
Chairs : Federico Carbone (Genoa, Italy)
Piero Portincasa (Bari, Italy)
- 16.30-16.45 **S3-O3 | The Visceral Adiposity Index Predicts Cardiovascular Events Both in Cardiovascular Disease Patients with and in Those Without Diabetes**
Dr. Arthur Mader^{1,2,3}, Prof. Christoph Saely^{1,2,3}, Doz. Dr. Alexander Vonbank^{1,2,3}, Dr. Christine Heinzle¹, Dr. Daniela Zanolin-Purin¹, Dr. Barbara Larcher^{1,2,3}, Dr. Andreas Leiherer^{1,3,4}, Doz. Dr. Axel Mueundlein^{1,3}, Prof. Heinz Drexel^{1,3,5,6}
¹Vorarlberg Institute for Vascular Investigation and Treatment (VIVIT), Feldkirch, Austria, ²Academic Teaching Hospital Feldkirch, Feldkirch, Austria, ³Private University of the Principality of Liechtenstein, Triesen, Liechtenstein, ⁴Medical Central Laboratories, Feldkirch, Austria, ⁵Division of Angiology, Swiss Cardiovascular Center, University Hospital Bern, Bern, Switzerland, ⁶Drexel University, College of Medicine, Philadelphia, USA
- 16.45-17.20 **S3-L5 | Methodological and bibliometric issues as well as conflict of interest in cardiovascular research**
John Ioannidis (Stanford, USA)
- 17.20-17.35 S3-L6 | GDF11 Promotes Increased Sensitivity of the Murine Heart to Ischemic Injury**
Alexander Akhmedov (Zurich, Switzerland)
- 17.35-17.50 **S3-O4 | The role of chemerin in vascular damage of morbidly obese patients**
Dr. Elisa Nulli Migliola¹, Dr. Maria Anastasia Ricci¹, Dr. Stefano De Vuono¹, Dr. Stefano Ministrini¹, Dr. Teresa Paganelli², Dr. Marcello Boni³, Dr. Anna Rita Roscini¹, Dr. Donatella Siepi¹, Prof. Graziana Lupattelli¹
¹Internal Medicine, Department of Medicine, "Santa Maria della Misericordia" Hospital, University of Perugia, Italy, Perugia, Italy, ²General and Emergency Surgical Department, University of Perugia, Santa Maria della Misericordia Hospital, Perugia, Italy, Perugia, Italy, ³General surgery, San Giovanni Battista Hospital, Foligno, Italy, Foligno, Italy
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- 18.00-19.00 Opening Ceremony
19.00-20.00 Opening lecture
20.00-21.00 Welcome drink
21.00-22.00 Champions League in Biomedicine and Experimental Biology



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Thursday, 23 May

08.30-10.00 Session 3: Cardiac Genetics

Chairs : Pedro Monteiro (Coimbra, Portugal)
Jakub Regieli (Amsterdam, the Netherlands)

08.30-09.00 **S3-L7 | Cardiac genetics: a glance into the future**
Roberto Palma dos Reis (Lisbon, Portugal)

09.00-09.30 **S3-L8 | Arrhythmogenic cardiomyopathy**
Maarten Jan Cramer (Utrecht, the Netherlands)

09.30-09:45
09.45-10:00

10:00-10:30 Coffee-break

10.30-12.30 Session 4: Cardiometabolism and dynamics

Chairs : Pedro Monteiro (Coimbra, Portugal)
Hendrik Nathoe (Utrecht, The Netherlands)

10.30-10.45 **S3-L9 | Cardiometabolism: new insights on DM and the heart**
Linda Mellbin (Stockholm, Sweden)

10.45-11.00 **S3-L10 | Role of calpain in diabetes-associated vascular complications**
Voahanginirina Randriamboavonjy (Frankfurt, Germany)

11.00-11.30 **S3-L11 | New insights from the right side of the heart**
André Lourenço (Coimbra, Portugal)

11.30-12.00 **S3-L12 | Heart Failure with preserved Ejection Fraction: the new pandemic**
Maarten Jan Cramer (Utrecht, the Netherlands)

12.00-12.30 **S3-O7 | Erythropoietin, Fibroblast Growth Factor 23, and Mortality after Renal Transplantation**
Mr. Michele F Eisenga¹, Mr Maarten A De Jong¹, Dr. David E Leaf², Dr. Ilja M Nolte¹, Dr. Martin H De Borst¹, Prof. Stephan J Bakker¹, Prof Carlo A Gaillard³
¹University Medical Center Groningen, Groningen, Netherlands, ²Brigham and Women's Hospital, Boston, United States of America, ³University Medical Center Utrecht, Utrecht, The Netherlands

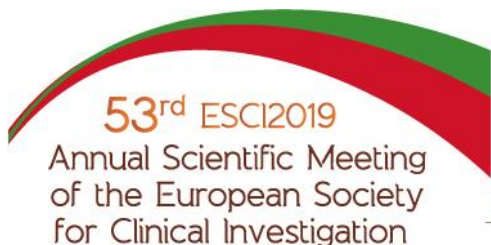
12.30-14.00 Poster session 1 and lunch

14.00-16.00 Session 5: Novel pathways in lipoprotein metabolism

Organizer: Robin Dullaart
Chairs: Robin Dullaart (Groningen, The Netherlands)
M. Connelly (Raleigh, USA)

14.00-14.30 **S3-L13 | 30 years of CETP research with focus on EJCI**
Robin Dullaart (Groningen, The Netherlands)

14.30-15.00 **S3-L14 | Role of proteoglycans in PCSK9 metabolism**
Jacob van den Born (Groningen, The Netherlands)



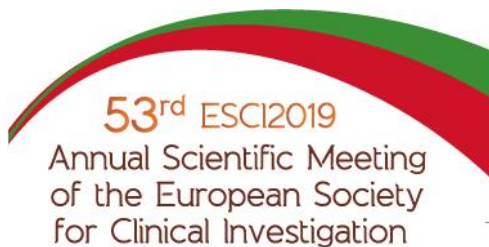
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- 15.00-15.30 **S3-L15 | Role of proteoglycans in triglyceride metabolism**
G.M. Dallinga-Thie (Amsterdam, The Netherlands)
- 15.30-16.00 **S3-L16 | PCSK-9 and the heart as a target. A new challenge for the cardiovascular endocrinologist?**
Marcel Twickler (Antwerp, Belgium)
- 16:00-16:30 Coffee-break
- 16.30-18.00 Session 6: Fat, HDL, iron and the liver**
Joint session with Symposium 4 (Nutrition and Hepatology)
Organizer: Robin Dullaart
Chairs: Piero Portincasa (Bari, Italy)
Margery Connelly (Raleigh, USA)
- 16.30-17.00 **S3-L17 | Disturbed vitamin A metabolism in NAFLD; what is the cause-consequence relationship?**
Klaas Nico Faber (Groningen, The Netherlands)
- 17.00-17.15 **S3-L18 | Hepcidin and the liver: friend or foe?**
Michele Freerk Eisenga (Groningen, The Netherlands)
- 17.15-17.30 **S3-L19 | NAFLD: the metabolic syndrome and beyond**
E. van den Berg (Groningen, The Netherlands)
- 17.30-17.40
- 17.40-17.50 **S3-O6 | Hypercholesterolemic HDL particles lose their atheroprotective potential and become deleterious further enhancing atherosclerotic plaque burden: studies in an animal model by MRI**
Soumaya Ben-Aicha^{1,2}, Laura Casan¹, Guiomar Mendieta^{1,2,3}, Monika Arzanauskaitė¹, Manuel Gutiérrez¹, Lina Badimon^{*1,4,5}, Gemma Vilahur^{*1,4}
¹Hospital Santa Creu i Sant Pau-Research institute (ICCC Program), Barcelona, Spain ²School of Medicine, University of Barcelona (UB), Barcelona, Spain ³Cardiology Department, Hospital Clinico, Barcelona, Spain ⁴Centro de Investigación Biomédica en Red Cardiovascular (CIBERCV) Instituto de Salud Carlos III, Madrid, Spain ⁵Cardiovascular Research Chair, Universidad Autónoma Barcelona (UAB), Barcelona, Spain
- 17.50-18.00 **S3-O7 | Erythropoietin, Fibroblast Growth Factor 23, and Mortality after Renal Transplantation**
Michele F Eisenga¹, Maarten A De Jong¹, David E Leaf², Ilja M Nolte¹, Martin H De Borst¹, Stephan J Bakker¹, Carlo A Gaillard³
¹University Medical Center Groningen, Groningen, Netherlands, ²Brigham and Women's Hospital, Boston, United States of America, ³University Medical Center Utrecht, Utrecht, The Netherlands
- 18.00-19.30 Poster session 2
20.30 Congress dinner



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Friday, 24 May

08.30-10.00 **Session 7: Novel biomarkers need novel statistics**

Organizer: Robin Dullaart

Chairs: Lino Gonçalves (Coimbra, Portugal)
 Fabrizio Montecucco (Genoa, Italy)

08.30-09.00 **S3-L20 | Cardiac proteomics and imaging**

Henrique Girão (Coimbra, Portugal)

09.00-09.30 **S3-L21 | NMR spectroscopy: relevance for advanced cardiometabolic biomarker research**

Margery Connelly (Raleigh, USA)

9.30-10.00 **S3-L22 | Statistical analysis (not) enough for publishing**

John Ioannidis (Editor-in-chief EJCI)

10:00-10:30 Coffee-break

10.30-12.15 **Session 8: Publishing your paper: Interaction with the editor-in-chief of the European Journal of Clinical Investigation**

Organizer: Robin Dullaart

Chairs: Robin Dullaart (Groningen, the Netherlands)
 Lina Badimon (Barcelona, Spain)

10.30-11.00 **What does publishing and publish or perish mean to me
 My manuscript has been declined, is it fair?**

Collective PhD students from University of Groningen, Utrecht (The Netherlands) and University of Bari (Italy)

11.00-11.30 **S3-L23 | Publishing your paper: the editor's perspective**

John Ioannidis (Editor-in-chief EJCI)

11.30-12.00 **S3-L24 | Publishing your paper: the publisher's perspective**

Trier Mork (Wiley Publishers)

12.00-12.15 Concluding remarks

13.00-14.00 Poster session 3 and lunch

14.00-16.40 Multi-focus Plenary session & ESCI Awards Session

16.45-17.30 Closing Ceremony