

- 12.00 - 12.15 **Myocardial conditioning: Mechanisms and clinical applications**
- 12.15 - 12.30 **Myocardial cell death and left ventricular remodelling**
- 12.30 - 12.45 **Discussion**
- 12.45 - 13.15 **LECTURE: The evolution of genes**
- 13.15 - 14.15 **Lunch Break**
Moderated Poster visit. Moderators to be designated
- 14.15 - 15.30 **ROUND TABLE: Cardiovascular genetics**
- 14.15 - 14.30 **Genetics of coronary artery disease and myocardial infarction**
- 14.30 - 14.45 **Genetics of cardiomyopathies**
- 14.45 - 15.00 **Genetics of congenital heart disease**
- 15.00 - 15.15 **Genetics of atrial fibrillation**
- 15.15 - 15.30 **Genetics of sudden arrhythmic death**
- 15.30 - 15.45 **Discussion**
- 15.45 - 16.15 **LECTURE: The Mediterranean diet: Traditional but always contemporary**
- 16.15 - 17.45 **ROUND TABLE: Cardiovascular biomarkers**
- 16.15 - 16.30 **Developing and assessing cardiovascular biomarkers**
- 16.30 - 16.45 **Inflammation and related biomarkers in cardiovascular disease**
- 16.45 - 17.00 **Cardiac biomarkers of myocardial injury**
- 17.00 - 17.15 **The role of biomarkers in the diagnosis and management of heart failure**
- 17.15 - 17.30 **Clinical utility of pharmacogenetic biomarkers in cardiovascular disease**
- 17.30 - 17.45 **Circulating microRNAs: Novel biomarkers and extracellular communicators in cardiovascular disease?**
- 17.45 - 18.00 **Coffee Break**
- 18.00 - 19.30 **ROUND TABLE: Cardiovascular imaging**
- 18.00 - 18.15 **Imaging assessment of cardiovascular risk in asymptomatic adults**
- 18.15 - 18.30 **The role of CTCA in the diagnosis and management of coronary artery disease**

- 18.30 - 18.45 **Vulnerable coronary plaque imaging: Clinical implications**
- 18.45 - 19.00 **Magnetic resonance imaging of cardiovascular edema, inflammation and necrosis**
- 19.00 - 19.15 **The role of cardiac sympathetic innervation imaging in atrial fibrillation and heart failure**
- 19.15 - 19.30 **Cardiovascular molecular imaging: From bench to bedside**
- 19.30 - 19.45 **Discussion**
- 19.45 - 20.15 **CLOSING LECTURE: Meditation and the cardiovascular system**
- 20.15 - 21.00 **End of Congress**
Awards
Conclusions

Organization:
 • Onassis Cardiac Surgery Center
 • Department of Cardiology, Larissa University Hospital

Under the auspices:
 Hellenic Cardiological Society

Conference Management



Information:
 Mob.: +30 6945597848, +30 6944659913
 Email: info@gkad.gr
 Website: http://www.gkad.gr



1st International Scientific Congress “Cardiovascular biotechnology: From cell to man”

31 May & 1 June
 2013

Amphitheater of the Biomedical Research Foundation
 of the Academy of Athens

Organization:
 • Onassis Cardiac Surgery Center
 • Department of Cardiology, Larissa University Hospital

Under the auspices:
 Hellenic Cardiological Society

Conference Management

Chairmen / Coordinators:

*Cokkinos V. Dennis
Lekakis Ioannis
Triposkiadis Filippos*

Scientific Committee:

*Foussas Stefanos
Goudevenos Ioannis
Kalikazaros Ioannis
Konstantinides Stavros
Kremastinos Dimitrios
Parharides Georgios
Stefanadis Christodoulos
Trikas Athanasios
Vardas Panagiotis*

Chairman of the Organizing Committee:

Palatianos Georgios

Organizing Committee:

*Anagnostopoulos Konstantinos
Belogiannas Christos
Giamouzis Gregorios
Karydas Andreas
Pantos Konstantinos
Prappas Sotirios*

Secretariat:

*Danou Athinai
Konstantinidou Faidra
Kyriakoulakou Tonia
Tsouropli Dimitra*

Friday, May 31st 2013

- 8.00 - 9.00 Registrations
Salutations
- 9.00 - 9.30 **HONORARY OPENING LECTURE:**
The evolution of biotechnology over the years: Has it resulted into
benefit for the patients?
- 9.30 - 10.30 **ROUND TABLE:** Cardiovascular gene therapy
- 9.30 - 9.45 Broad principles
- 9.45 - 10.00 Gene therapy strategies for the treatment of post myocardial
infarction arrhythmias
- 10.00 - 10.15 Gene therapy for myocardial dysfunction and heart failure
- 10.15 - 10.30 Gene therapy for critical limb ischemia
- 10.30 - 10.45 Coffee Break

- 10.45 - 11.15 **LECTURE:** Cardiovascular genomics and personalized medicine
- 11.15 - 12.45 **ROUND TABLE:** Cardiovascular pharmacogenomics
- 11.15 - 11.30 Broad principles
- 11.30 - 11.45 Approaches to identifying genetic contributors
to variable drug actions
- 11.45 - 12.00 Cholesterol lowering agents
- 12.00 - 12.15 Antiplatelet agents
- 12.15 - 12.30 Warfarin and novel anticoagulants
- 12.30 - 12.45 β -adrenergic signalling
- 12.45 - 13.00 Discussion - Comments
- 13.00 - 13.30 **LECTURE:** The cost – benefit ratio of the application of modern
medical technology
- 13.30 - 14.30 Lunch Break
Moderated Poster visit. Moderators to be designated
- 14.30 - 16.00 **ROUND TABLE:** Prospects in cardiovascular cell therapy
- 14.30 - 14.45 Broad principles
- 14.45 - 15.00 Stem cell therapy for coronary artery disease
- 15.00 - 15.15 Stem cell therapy for chronic heart failure
- 15.15 - 15.30 Stem cell therapy for peripheral arterial disease
- 15.30 - 15.45 Tracking stem cells for cardiovascular applications
in vivo: Focus on imaging techniques
- 15.45 - 16.00 The proarrhythmic risk of cardiovascular cell therapy
- 16.00 - 16.15 Coffee Break
- 16.15 - 16.45 **LECTURE:** Heart failure: Quo vadis?
- 16.45 - 18.15 **ROUND TABLE:** Device treatment of cardiovascular disease:
An update
- 16.45 - 17.00 Biventricular pacing devices / Implantable cardioverter
defibrillators
- 17.00 - 17.15 Transdermal treatment of valvular heart disease
- 17.15 - 17.30 Developments in intracoronary stents
- 17.30 - 17.45 Ventricular assist devices / Artificial heart

- 17.45 - 18.00 Cardiovascular implantable device infections
- 18.00 - 18.15 Cardiovascular device technology and health care cost
- 18.15 - 18.30 Discussion
- 18.30 - 19.00 **LECTURE:** The role of the sympathetic nervous system
in cardiovascular disease
- 19.00 - 20.15 **ROUND TABLE:** Innovations in cardiac surgery
- 19.00 - 19.15 Mitral valve reconstruction
- 19.15 - 19.30 All-arterial coronary bypass grafting
- 19.30 - 19.45 The balance between cardiac transplantation and LVAD
placement
- 19.45 - 20.00 Can stem cells be beneficial?
- 20.00 - 20.15 Is ventricular reconstruction still an option?
- 20.30 Official Dinner

Saturday, June 1st 2013

- 9.00 - 10.15 **ROUND TABLE:** Drug treatment of cardiovascular
disease: An update
- 9.00 - 9.15 Novel antiischemic agents and metabolic modulators
- 9.15 - 9.30 Novel antiplatelet agents
- 9.30 - 9.45 Novel anticoagulants
- 9.45 - 10.00 Novel HDL targeting therapeutic agents
- 10.00 - 10.15 Novel inotropic agents
- 10.15 - 10.45 **LECTURE:** Heart rate: A forgotten link in coronary artery
disease and heart failure?
- 10.45 - 11.00 Coffee Break
- 11.00 - 12.30 **ROUND TABLE:** Mechanisms of cardiovascular disease
- 11.00 - 11.15 Mechanisms of acute coronary syndromes
- 11.15 - 11.30 Pathogenesis of acute myocarditis and dilated cardiomyopathy
- 11.30 - 11.45 Left atrial remodelling and atrial fibrillation
- 11.45 - 12.00 The role of inflammation and oxidative stress
in atherosclerosis and heart failure