

GENERAL INFORMATION

GENERAL INFORMATION



Fundación **pro**cnic

ORGANIZERS



Fundación **pro**cnic

DATES

Madrid, October 6-7, 2011

at the **heart** of the **genome**
frontiers in cardiovascular genomics

Madrid, October 6-7, 2011
www.cnic-conference.com

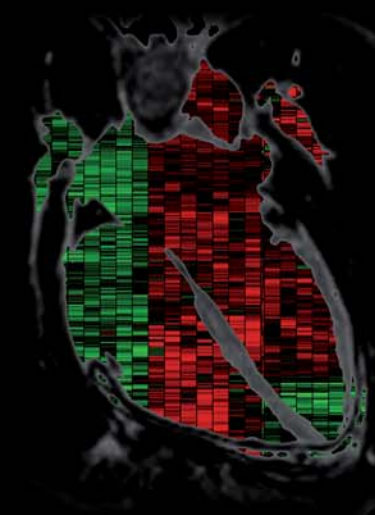
SPONSORS



cniic

CENTRO NACIONAL
DE INVESTIGACIONES
CARDIOVASCULARES (CNIC)

C/ Melchor Fernandez Almagro, 3
28029 Madrid, Spain
Phone: +34 91 453 1200
Web: <http://www.cnic.es/>



organizers

Dra. Ana Dopazo
Dr. Enrique Lara-Pezzi
Dr. Miguel Manzanares

TECHNICAL SECRETARIAT



dirección C/ Rosalía de Castro, 13 - 1º Izda. 15004 A Coruña teléfono 981 216 416
fax 981 217 542 e-mail congrega@congrega.es web www.congrega.es

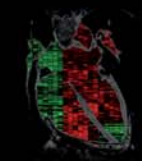
sponsored
by:



venue:



CENTRO NACIONAL DE INVESTIGACIONES CARDIOVASCULARES (CNIC)
Melchor Fernández Almagro, 3 - 28029 Madrid, Spain



08:45-09:00 h

Session I

09:00-09:30 h

09:30-10:00 h

10:00-10:30 h

10:30-11:00 h

Session II

11:00-11:30 h

11:30-12:00 h

12:00-12:30 h

12:30-13:45 h

Session III

13:45-14:15 h

Thursday, October 6

Welcome by Miguel Torres, Associate Director & CNIC Organizers

Medical genomics I

Chair: Enrique Lara

José Ordovás, Nutrition and Genomics Laboratory, Tufts University, Boston, USA
"Healthy heart: a three-way dialog among genomics, epigenomics and the environment"

Panos Deloukas, Wellcome Trust Sanger Institute, Cambridge, UK
"A study of 63,253 cases and 126,820 controls identifies multiple novel loci for coronary artery disease and detects independent signals in many of the established ones"

Paul Barton, NIHR Cardiovascular Biomedical Research Unit, Royal Brompton Hospital, London, UK
"Pathways underlying myocardial recovery from heart failure"

Coffee break

Regulatory networks

Chair: Miguel Manzanares

Silke Sperling, Experimental and Clinical Research Center / ECRC, Berlin, Germany
"Regulatory principles governing the cardiac transcriptome"

Roderic Guigo, Bioinformatics and Genomics Programme, CRG, Barcelona, Spain
"Uncovering and understanding RNA through massively parallel sequencing"

Len Pennacchio, Genomics Division, JGI, Berkeley, USA
"Large-Scale Identification of Tissue-Specific Enhancer In Vivo"

Lunch

miRNAs in the cardiovascular system

Chair: Ana Dopazo

Stefanie Dimmeler, Institute for Cardiovascular Regeneration, Goethe University Frankfurt, Germany
"The EMBO lecture: MicroRNAs: new regulators of cardiovascular diseases"

14:15-14:45 h

14:45-15:15 h

15:15-15:30 h

15:30-16:00 h

Session IV

16:00-16:30 h

16:30-17:00 h

17:00-17:30 h

17:30-17:45 h

17:45-19:00 h

Session V

09:00-09:30 h

Diego Franco, Department of Experimental Biology, University of Jaen, Spain
"Dissecting the functional roles of microRNAs-mRNAs regulated by Pitx2 in cardiac development and disease"

Thomas Thum, Hannover Medical School, Hannover, Germany
"MicroRNA therapeutics in cardiovascular medicine - Quo vadis?"

Short talk:

Alfonso Valencia, Spanish National Cancer Research Centre (CNIO), Madrid, Spain
"Computational challenges in personalized medicine"

Coffee break

Future approaches in model systems

Chair: Ana Dopazo

Stuart Cook, MRC Clinical Sciences Centre, Faculty of Medicine, Imperial College London, UK
"Genomic dissection of blood pressure-independent cardiac hypertrophy"

Shoumo Bhattacharya, Wellcome Trust Centre for Human Genetics, Oxford, UK
"Large-scale phenotyping of mouse cardiovascular malformations"

Jose Luis Gómez Skarmeta, Centro Andaluz de Biología del Desarrollo CSIC-UPO, Seville, Spain
"Zebrafish developmental epigenomics"

Short talk:

Luis Augusto Aguirre, Department of Cardiovascular Development & Repair, CNIC, Madrid, Spain
"Regulatory activity of 4q25 and the Association of PITX2 expression with atrial fibrillation"

Poster session + Drinks

Friday, October 7

Transcriptomics and expression analysis

Chair: Enrique Lara

Benjamin Blencowe, Dept. of Medical Research and Dept. of Molecular Genetics, University of Toronto, Canada
"Cross-talk between alternative splicing and transcriptional regulatory networks"

09:30-10:00 h

10:00-10:15 h

Session VI

10:15-10:45 h

10:45-11:15 h

11:15-11:45 h

11:45-12:15 h

12:15-12:30 h

12:30-13:45 h

13:45-14:15 h

14:15-14:45 h

14:45 h

Thomas Cooper, Departments of Pathology and Molecular and Cellular Biology, Baylor College of Medicine, Houston, USA
"Alternative splicing regulatory networks in heart development and disease"

Short talk:

Fátima Sánchez-Cabo, Centro Nacional de Investigaciones Cardiovasculares (CNIC), Madrid, Spain
"Regulation of alternative splicing in the infarcted heart"

Medical genomics II

Chair: Miguel Manzanares

Stefan Käbb, University Hospital Munich, Ludwig-Maximilians, University Munich, Germany
"Genome-wide association studies in cardiac electrophysiology: recent discoveries and future perspectives"

Coffee break

Jorge Ferrer, Institut d'Investigacions Biomèdiques August Pi i Sunyer, Hospital Clinic, Barcelona, Spain
"Insights into epigenome regulation in pancreatic islet cells"

Connie Bezzina, Heart Failure Research Centre, AMC, University of Amsterdam, The Netherlands
"Finding new genes for cardiac arrhythmia"

Short talk:

Estefanía Núñez Sánchez, Centro Nacional de Investigaciones Cardiovasculares (CNIC), Madrid, Spain
"Ischemia-reperfusion and preconditioning induce changes in oxidative phosphorylation proteins by mechanisms independent of cytosolic signalling"

Lunch

Emmanouil Dermitzakis, Dept. of Genetic Medicine and Development, University of Geneva Medical School, Switzerland
"Cellular population Genomics"

Ramón Brugada, Medical School, Universitat de Girona, Spain
"Genetic studies in sudden death"

Adjourn