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Conferences

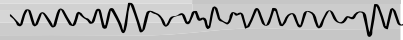
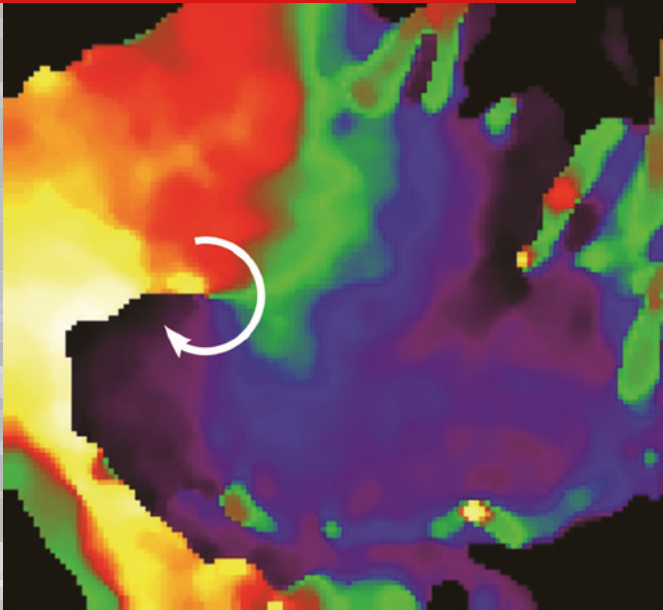


Fundación **pro**cnic



Atrial fibrillation: from Mechanisms to Population Science

Madrid, November 3rd-4th, 2017
www.cnic-conference.com



organizers

David Filgueiras
José Jalife
Miguel Manzanares
Stephane Hatem
(Sorbonne Université, Paris)

sponsored by:



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

Atrial fibrillation: from Mechanisms to Population Science

Friday 3rd November 2017

- 08:00-08:30 Registration
08:30 Welcome
08:30-09:00 Opening talk: **Dr. Valentin Fuster**, CNIC General Director

Session I - AF in Populations, Genomics and Epigenetics

Discussion Leaders: Dr. Guadalupe Sabio, Dr. Miguel Manzanares

- 09:00-10:30 | **Dr. Emelia Benjamin**. Boston University School of Medicine, USA
"Can we prevent atrial fibrillation?"
Dr. Patrick Ellinor. Harvard University, Boston, USA
"Emerging Directions in the Genetics of Atrial Fibrillation"
Two selected short talks
- 10:30-11:00 **Coffee break & poster session**

Session I (Cont.) - AF in Populations, Genomics and Epigenetics

Discussion Leaders: Dr. Guadalupe Sabio, Dr. Miguel Manzanares

- 11:00-12:00 | **Dr. Vincent Christoffels**. University of Amsterdam, Holland
"Transcriptional control of cardiac electrical patterning"
- 12:00-13:30 **Lunch & poster session**

Session II - Pathogenesis of AF

Discussion Leaders: Dr. Juan Bernal, Dr. Juan Tamargo

- 13:30-15:00 | **Dr. Ulrich Schotten**. University of Maastricht, Holland
"The multifactorial pathogenesis of atrial remodelling and atrial fibrillation"
Dr. Barbara Casadei. Oxford University, UK
"Atrial fibrillation and cardiomyopathy: the chicken or the egg?"
Two selected short talks

Session III - Altered Metabolism and Atrial Adiposis

Discussion Leaders: Dr. Borja Ibañez, Dr. Julian Pérez-Villacastín

- 15:00-16:30 | **Dr. Sander Verhuele**. University of Maastricht, Holland
"Metabolic Impact of AF"
Dr. Stephane Hatem. Sorbonne Université, Paris, France
"Cardiac adipose tissue and atrial fibrillation"
Two selected short talks

16:30-17:30 **Coffee break & poster session**

Session IV - Genes, Ion Channels and Gene Therapy in AF

Discussion Leaders: Dr. Felipe Atienza, Dr. David Filgueiras

- 17:30-19:00 | **Dr. Eva Delpón.** Complutense University, Madrid, Spain
"Novel ion channel modifying genes in atrial fibrillation"
- Dr. Dobrimir Dobrev.** University of Duisburg-Essen, Germany
"Molecular Basis and Role of Dysregulated Ca²⁺-dependent K⁺Channels in AF Patients"
- Dr. Rishi Arora.** Northwestern University, Chicago, USA
"Novel gene therapy approaches to target electrical and structural remodeling in atrial fibrillation"

Saturday 4th November 2017

Session V - The Rotor Substrate in Silico, Ex Vivo and in Humans

Discussion Leaders: Dr. Francisco García-Cosío, Dr. David Calvo

- 8:30-10:30 | **Dr. Natalia Trayanova.** Johns Hopkins University, Baltimore, USA
"AF rotors in the fibrotic substrate"
- Dr. Omer Berenfeld.** University of Michigan, USA
"Spatio-temporal AF excitation patterns in the frequency and phase domains"
- Dr. Sanjiv Narayan.** Stanford University, USA
"Rotational Drivers in Clinical Atrial Fibrillation"
- Dr. Stefan Luther.** Max Planck Institute, Göttingen, Germany
"Electromechanical vortex filaments during cardiac fibrillation"

10:30-11:00 **Coffee break**

Session VI - The Real World in Today's AF Therapy

Discussion Leaders: Dr. Jesús Almendral, Dr. José Luis Merino

- 11:00-12:30 | **Dr. Karl Heinz Kuck.** University of Hamburg, Germany
"What have we learned of ablation procedures for atrial fibrillation?"
- Dr. Meleze Hocini.** University of Bordeaux, France
"AF ablation guided by noninvasive mapping: from stepwise to rotor ablation"
- "Modifiable cardiovascular disease risk factors in atrial fibrillation"*

12:30-13:00 **Round up, prizes and farewell**

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GENERAL INFORMATION

DATES

Madrid, November 3rd-4th, 2017

VENUE

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**CENTRO NACIONAL
DE INVESTIGACIONES
CARDIOVASCULARES (CNIC)**

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