

Frontiers in Cardiovascular Imaging: Focus on Atherosclerosis

Date and Venue:

Friday, October 2, 2015, Vigo, Spain

Location:

Salón de Actos. Hospital Alvaro Cunqueiro. Carretera
Clara Campoamor, n 341. Babio-Beade, Vigo.

Organized by:

Dr. Victor Alfonso Jiménez Díaz, MD, MPH
Dr. Carlos María Díaz López, MsC
Dr. Andrés Íñiguez Romo, MD, PhD
Cardiovascular Research Unit, Interventional Cardiology
unit, Cardiology Department, Hospital Alvaro Cunqueiro,
Vigo, Spain

Speakers:

- **Jose Manuel Rodriguez Rodriguez**, Laboratory of Biochemical Genetics and Metabolism, The Rockefeller University, New York, USA
- **Isabel Gonçalves**, Associated Professor, University lecturer in Cardiology, Skåne University Hospital, Clinical Sciences Malmö, Lund University, Sweden
- **Jean-Baptiste Michel**, Director of the hemostasis, bioengineering and cardiovascular remodeling laboratory, INSERM, Paris, France
- **Marina Brito**, Staff Researcher, International Iberian Nanotechnology Laboratory (INL), Braga, Portugal
- **Paulo Freitas**, Deputy General Director, International Iberian Nanotechnology Laboratory (INL), Braga, Portugal
- **Erick Alexanderson**, Head, Nuclear Cardiology Department, Instituto Nacional de Cardiología Ignacio Chávez (INCICH), México and President of

- the Iberoamerican Society of Nuclear Cardiology
- **Javier Escaned**, Head of Section, Interventional Cardiology Unit, Hospital Clínico San Carlos, Madrid, Spain
 - **Teresa Padró**, Cardiovascular Research Center (CSIC-ICCC), Catalan Institute of Cardiovascular Sciences (ICCC), Hospital de la Santa Creu i Sant Pau, Barcelona, Spain
 - **Borja Ibáñez**, National Center for Cardiovascular Research (CNIC), Madrid, Spain
 - **Jacob Fog Bentzon**, National Center for Cardiovascular Research (CNIC), Madrid, Spain
 - **Jesús María Ruiz-Cabello**, National Center for Cardiovascular Research (CNIC), Madrid, Spain
 - **Cesar Veiga**, Senior researcher, BIOCAPS program, Universidad de Vigo, Spain
 - **Victor Jiménez**, Haemodynamic & Interventional Cardiology Unit, Scientific Coordinator of Cardiovascular Research, Hospital Alvaro Cunqueiro, Vigo, Spain
 - **Andrés Íñiguez**, Head, Cardiology Department, Hospital Alvaro Cunqueiro, Vigo and Elected President of the Spanish Society of Cardiology.

**Scientific
description:**

This Seminar will approach coronary artery disease focusing on the atherosclerosis process, providing an update of physiopathology, the latest imaging technologies for assessment of vulnerable plaques, potential future diagnostic tools and new technologies, with a scope of innovative methods of treatment, from medication to intervention.

The Seminar also attempts to provide a view of current trends regarding current research lines in this field from the perspective of different experts on diverse areas of atherosclerosis.

Language:

English

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Scientific Programme

8.00-8.45	Registration
8.45-9.00	Welcome and Opening Address by Organizer
9.00-9.20	<i>Title:</i> Cellular and molecular mechanisms in coronary atherosclerosis and myocardial ischemia: Therapeutic implications Speaker: Teresa Padró, CSIC-ICCC, Barcelona, Spain
9.20-9.30	Questions & Discussion
9.30-9.50	<i>Title:</i> Genetics of atherosclerosis: potential target for prevention? Speaker: Jose Manuel Rodriguez, The Rockefeller University, New York, USA
09.50-10.00	Questions & Discussion
10.00-10.20	<i>Title:</i> Physiopathology and development of the atherosclerotic plaque: vulnerability and atherothrombosis Speaker: Jean-Baptiste Michel, INSERM, París, France
10.20-10.30	Questions & Discussion
10.30-10.50	<i>Title:</i> New animal models for atherosclerosis assessment Speaker: Jacob F. Bentzon, CNIC, Madrid, Spain
10.50-11.00	Questions & Discussion
11.00-11.20	<i>Title:</i> Circulating cytokines as surrogate markers for the identification of patients with high-risk plaques: ¿ready for primetime? Speaker: Isabel Gonçalves, Lund University, Sweden

11.20-11.30	Questions & Discussion
11.30-11.50	<p>Title: Biomarkers in atherosclerosis: linking vulnerability and potential imaging targets</p> <p>Speaker: Marina Brito, INL, Braga, Portugal</p>
11.50-12.00	Questions & Discussion
12.00-12.30	Coffee break
12.30-12.50	<p>Title: Challenges in non-invasive imaging modalities in preclinical research for the assessment the vulnerable plaque: MRI and PET-CT</p> <p>Speaker: Jesus María Ruíz-Cabello Osuna, CNIC, Madrid, Spain</p>
12.50-13.00	Questions & Discussion
13.00-13.20	<p>Title: Challenges in non-invasive imaging modalities in clinical research for the assessment of the vulnerable plaque: PET-CT</p> <p>Speaker: Erick Alexanderson Rosas, INCICH, México</p>
13.20-13.30	Questions & Discussion
13.30-13.50	<p>Title: Challenges in invasive imaging modalities for the assessment of coronary disease: is feasible to detect vulnerable plaques?</p> <p>Speaker: Victor Jiménez, Hospital Alvaro Cunqueiro, Vigo, Spain</p>
13.50-14.00	Questions & Discussion
14.00-14.20	<p>Title: Detection of early subclinical atherosclerosis: hope for improved primary prevention</p> <p>Speaker: Borja Ibañez, CNIC, Madrid, Spain</p>
14.20-14.30	Questions & Discussion
14.30-15.00	<p>Magistral Conference Title: Anatomy, physiology, biology: towards an integrated, individualized assessment of the patient with ischaemic heart disease</p>

	Speaker: Javier Escaned, Hospital Clínico San Carlos, Madrid, Spain
15.00-15.10	<i>Questions & Discussion</i>
15.10-16.00	<i>Meal</i>
16.00-16.20	<i>Title:</i> Nanotechnology in atherosclerosis: is there a real potential role for it? Speaker: Paulo Freitas, INL, Braga, Portugal
16.20-16.30	<i>Questions & Discussion</i>
16.30-16.50	<i>Title:</i> Vulnerable plaque/Vulnerable patient treatment: from drugs to intervention....or to prevention Speaker: Andrés Íñiguez, Hospital Alvaro Cunqueiro, Vigo, Spain
16.50-17.00	<i>Questions & Discussion</i>
17.00-17.20	<i>Title:</i> Automated artery tissue identification based on texture analysis on Echo and OCT Speaker: Cesar Veiga, Universidad de Vigo, Spain
17.20-17.30	<i>Questions & Discussion</i>
	Closure by Organizer