

Venue and date



CNIC, Madrid, Spain. 1-2 March 2013

#### Organizers

Lars E. Olsson, PhD  
Professor of Medical Radiation Physics  
Lund University Department of Clinical Sciences  
Skåne University Hospital, Malmö

Jesús Ruiz-Cabello, PhD  
Head of the Advanced Imaging Unit  
Department of Epidemiology, Atherothrombosis and Imaging  
CNIC (Spanish National Centre for Cardiovascular Research)  
CIBERES (Spanish Network Centre for Biomedical Research  
in Respiratory Diseases)

#### Supporters

European Union

European Society for Magnetic Resonance in Medicine  
and Biology (ESMRMB)

#### Registration details

Registration fee: Early Bird 75€ / Regular 150€

Registration deadline: 24 February 2013

For further information and registration, please visit the  
workshop website: [www.TACPI2013.com](http://www.TACPI2013.com)



#### Contact

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# Translational aspects of cardiovascular and pulmonary imaging



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A course organized by the Pulmonary Imaging Network ( -net\*) and Ciber de Enfermedades Respiratorias (CIBERES) in collaboration with Fundación Centro Nacional de Investigaciones Cardiovasculares (CNIC).

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## Scope

Our purpose is to give an extensive overview of translational research in thoracic imaging. The course is organized by researchers from the clinical and basic sciences, pharmaceutical companies and the imaging industry. Special attention will be given to the role of imaging technologies in the transition between preclinical and clinical protocols, to animal models of different pulmonary and cardiovascular diseases, as well as to the clinical application of imaging, including pharmaceutical interventions. The course will include practical examples of successful translation from preclinical to clinical settings and vice versa, as well as examples of the impact of imaging on drug discovery and development. Translational research will also be discussed in the context of regulatory authorities and their decision processes.

## Educational objectives

- ▶ Application of thoracic Imaging techniques from mouse to man
- ▶ Animal models of pulmonary and cardiovascular diseases
- ▶ Challenges in drug discovery and development
- ▶ Validation and use of imaging biomarkers
- ▶ Regulatory acceptance of imaging biomarkers
- ▶ Rationale for using imaging in clinical trials
- ▶ To identify the gaps in current translational research and the opportunities for imaging
- ▶ To promote the concept of imaging for drug discovery to a larger audience and encourage new researchers to take an interest in the field

## Target Audience

Students and researchers in biomedical imaging, clinicians (pulmonologist, cardiologist, radiologists, physiologists etc), scientists in the pharmaceutical industry with an interest in pulmonary and cardiovascular diseases and imaging.

## Speakers

- ▶ Valentín Fuster, CNIC, Spain / Mount Sinai School of Medicine, USA
- ▶ Frank Risse, Boehringer Ingelheim, Germany
- ▶ John C. Waterton, AstraZeneca R&D, UK
- ▶ Bernard J Dardzinski, Children's Hospital of Philadelphia / University of Pennsylvania, USA
- ▶ Armin Braun, Fraunhofer Institute for Toxicology and Experimental Medicine (ITEM) / Medical University Hannover (MHH), Germany
- ▶ Salman Siddiqui, University of Leicester, UK
- ▶ Nicolau Beckmann, Novartis, Switzerland
- ▶ Michael Puderbach, University Hospital, Heidelberg, Germany
- ▶ Geoffrey Parker University of Manchester, UK
- ▶ Jim Wild, University of Sheffield, UK
- ▶ Wim Vos, FluidDA, Belgium
- ▶ Marleen Debruijne, University of Copenhagen, Denmark
- ▶ Shelton D. Caruthers, Washington University School of Medicine, USA
- ▶ Robin Choudhury, Oxford Acute Vascular Imaging Centre / John Radcliffe Hospital, UK
- ▶ Ana García-Álvarez, CNIC / Hospital Clinic, Spain
- ▶ Beat Jucker, GlaxoSmithKline, USA
- ▶ Matthias Stuber, University of Lausanne, Switzerland
- ▶ Andy Swift, University of Sheffield, UK
- ▶ Coral Barbas, CEU San Pablo, Spain
- ▶ Edward Karoly, Metabolon Inc., USA
- ▶ Lars Johansson, AstraZeneca R&D, Sweden
- ▶ Fernando Suárez, Uppsala University Hospital, Sweden
- ▶ Chrit Moonen, University Medical Center Utrecht, The Netherlands