

Joint Symposium 28

Cardiovascular + Translational Molecular Imaging and Therapy + Drug Development Committee / American Heart Association (AHA)

Friday, October 30, 15:30-17:00

Session Title

New Approaches for Cardiovascular Imaging

Chairperson

Federico Caobelli (Basel, Switzerland)

Programme

- 15:30 - 15:52 Prem Soman (Pittsburgh, United States of America / AHA): Cardiologist's Perspective - What do we Need?
- 15:52 - 16:14 Laetitia Imbert (Nancy, France): Physicist's Perspective -What Comes Next?
- 16:14 - 16:36 Benjamin Guillet (Marseille, France): Radiopharmacist's Perspective - What Comes Next?
- 16:36 - 16:58 Antti Saraste (Turku, Finland): Nuclear Physician's Perspective - What Comes Next?

Educational Objectives

1. To learn new advances in imaging cardiovascular diseases
2. To provide a multidisciplinary approach from bench to bedside in the imaging of cardiac diseases
3. To allow for an exchange of information between preclinical scientists, imaging experts and clinical cardiologist to lead future research projects

Summary

The field of cardiovascular imaging is continuously evolving and nuclear cardiology has become an invaluable tool to assess the physiopathology of diverse cardiac diseases. At many levels, the research has provided new hardware, software and radiotracers able to provide clinicians with useful tools to help in the choice of the best therapeutic approach. In fact, development of novel and specific therapies to modulate cardiac alterations may be aided by targeted imaging agents, which provide not only a surrogate indicator of therapeutic efficacy, but also identify the appropriate targeting and timing of optimal treatment. Common targets for imaging and therapies may also introduce a new paradigm in clinical evaluation, where imaging endpoints may serve as ancillary indicators of therapeutic success or failure in clinical trials. This session will address evolving approaches for molecular imaging in cardiovascular molecular imaging from a multidisciplinary point of view, wherein different professionals (i.e. clinical cardiologists, clinical imaging experts and preclinical scientists) will discuss the state-of-the-art and provide perspective on the design and execution of molecular imaging research in cardiovascular disease.

Key Words

Molecular targets; Cardiovascular research; cardiovascular disease; myocardial inflammation and infection; Post-infarction alterations; infiltrative cardiac diseases; new hardware and software