Joint Symposium 7
Cardiovascular Committee / European Society of Cardiovascular Radiology (ESCR)
Tuesday, June 28, 2022 / 14:00-15:30 / Channel 3

Session Title
Cardiac Molecular Imaging in Heart Failure - Are We There Yet?

Chairperson
Federico Caobelli (Bern, Switzerland)

Programme

14:00 - 14:25	**Philip Haaf** (Basel, Switzerland): Is Heart Failure One Disease or Multiple Ones?
14:25 - 14:45	**Alessia Gimelli** (Pisa, Italy): What Did We Reach with FDG-PET Imaging?
14:45 - 15:05	**James Thackeray** (Hannover, Germany): How Far Can We Go with New Radiopharmaceuticals?
15:05 - 15:27	**Birgitta K. Velthuis** (Utrecht, Netherlands / ESCR): CT and MR Imaging of Heart Failure
15:27 - 15:30	Session Summary by Chairperson

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. This is particularly true for patients with heart failure, wherein targeted imaging agents may 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 radiologic and molecular imaging in cardiovascular 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
heart failure; Molecular targets; Cardiovascular research; cardiovascular disease; myocardial perfusion imaging; hybrid imaging; new hardware and software