Joint Symposium 2
Translational Molecular Imaging and Therapy + Drug Development + Radiopharmacy + Oncology & Theranostics Committee / World Molecular Imaging Society (WMIS)
Thursday, October 22, 13:30-15:00

Session Title
Nano- and Micro-Particles in Nuclear Medicine (Incl. Radioembolisation)

Chairperson
Jan Grimm  (New York, United States of America)

Programme
13:30 - 13:59  Twan Lammers (Aachen, Germany / WMIS): Introduction to Nanoparticles in Medicine
14:28 – 14:57  Moritz Wildgruber (Münster, Germany): Radioembolization with Microparticles

Educational Objectives
1. Understand characteristics of nano and microparticles and their in vivo behavior
2. Understand how these particles are synthesized
3. Understand where particles are used for in nuclear medicine, both imaging and therapy

Summary
In this joint session with WMIS, we will provide an overview on the utilization of particles (nano and micro sized) in Nuclear medicine and medicine in gernal. We will start with an overview of principles and past as well as current utilization in medicine, drug delivery in combiantaion with imaging. This will be followed by examples how to use clinically applicable nano- and microparticles in theranostics for imaging and radioembolization, using various radiolabeled particles.

Key Words
Radioembolization, nanoparticles, microparticles, theranostics, oncology