



Preclinical and Clinical High Resolution Ultrasound and Photoacoustic Imaging Workshop

July 17, 2018

Università Cattolica del Sacro Cuore – Ospedale Gemelli
Centro Congressi Europa, Largo F. Vito, 1, 00168 ROMA –
Aula GERMANIA

Scientific coordinators: Dr. G. Visconti – Dr. G. Mingrone – Dr. S. Lacerenza

9:00 – 9:30 Registration

Session 1- Preclinical

Oncology

9:30 – 9:45 Preclinical Applications with Ultra High Frequency:
Maria Paola Belfiore, SUN University Naples

9:45 – 10:00 In Vivo Efficiency of Graphene- Microbubbles
as Dual Contrast Agents and Assessment of their Biodistribution
by Photoacoustic Imaging
Yosra Toumia, Tor Vergata, Rome

10:00 - 10:15 Improved Cancer Imaging Research through Innovation:
High Frequency Ultrasound and Photoacoustic Methods,
Pierangela Giustetto, FUJIFILM Visualsonics

Cardio Vascular

10:15 – 10:30 Characterization of Plaque Vulnerability in Mice by Means
of High Frequency Ultrasound Imaging:
Francesco Faita, IFC CNR, Pisa

10:30 – 10:45 Ultrasound Imaging in Experimental Models
of Cardiovascular Disease
Giuseppe Cifelli, IRCCS Neuromed, Pozzilli

10:45 – 11:00 Vevo Technology the Ultimate Preclinical Imaging Experience:
the Unique Platform for Cardiovascular, Cancer and
Photoacoustic Applications
Dieter Fuchs, FUJIFILM VisualSonics

Session 2 - Clinical

- 11:00 – 11:15** **High-Frequency Ultrasound and Machine-Learning Approaches for the Differential Diagnosis of Melanocytic Lesions**
Francesco Faita, IFC CNR, Pisa
- 11:15 – 11:30** **Clinical applications with Ultra High Frequency**
Maria Paola Belfiore, SUN University, Napoli
- 11:30 – 11:45** **UHF US imaging of Lymphatic Channels**
Giuseppe Visconti – University Hospital “Agostino Gemelli”
- 11:45 – 12:00** **HFUS Applications in Dermatology**
Valentina Dini, Clinica Dermatologia, Pisa)

12:00 – 12.30 **Final discussion – All**

12:30 – 13:30 Lunch

Session 3 - Practical Preclinical / Clinical

Dieter Fuchs

11:00 – 16.00 ***Preclinical HFUS** – Hands-on session with the Vevo 3100 will be done in the CIS area.

Pierangela Giustetto

13:30 – 16.00 **Clinical HFUS** – Hands-on session will continue in the meeting room with the First World High Frequency Ultrasound Imaging system Vevo MD, Fujifilm Visualsonics

* On limited access. Please register as soon as possible.