

Preclinical High Resolution Ultrasound and Photoacoustic Imaging Workshop

San Raffaele Hospital

Aula Pinta, DIBIT1, - 1 floor
Via Olgettina, 60 - Milano

8th October 2019
9.00AM - 5.00PM



Edit
Early Diagnosis and Therapy of Tumors



The event has received funding from the European Union's Horizon2020 research and innovation programme under grant agreement No. 801126 (EDIT)

Scientific coordinators:
Dr. M. Alfano – Dr. S. Lacerenza



San Raffaele Hospital
Aula Pinta, DIBIT1, - 1 floor



Practical session available
upon registration by email:

angela.kost@fujifilm.com | savino.lacerenza@fujifilm.com



The event is free but limited to the first 80 people who will register.
When you register, let us know if you are also interested in the practical session

Preclinical High Resolution Ultrasound and Photoacoustic Imaging Workshop

9.00-9.15 **Registration**
9.15-9.30 **Welcome**
Prof. Antonio Esposito, UniSR, Milan

PRECLINICAL PHOTOACOUSTIC IMAGING

9.30-9.50 **The Unique Platform for Cardiovascular, Cancer and Photoacoustic Applications.**
Dieter Fuchs, FUJIFILM VisualSonics

FUJIFILM
VISUALSONICS

9.50-10.10 **In Vivo Efficiency of Graphene-Microbubbles as Dual Contrast Agents and Assessment of their Biodistribution by Photoacoustic Imaging.**
Yosra Toumia, Tor Vergata, Rome

10.10-10.30 **Applications of PAI in oncology: assessment of vascular volume and hypoxia in tumors and development of theranostic nanosized PAI agents.**
Giuseppe Ferrauto, MBC, UniTO, Turin

PRECLINICAL CARDIO VASCULAR

10.30-10.50 **The additive value of High Frequency Ultrasound imaging biomarkers in preclinical and clinical cardiovascular studies.**
Francesco Faita, IFC CNR, Pisa



PRECLINICAL NEUROLOGY

10.50-11.10 **Recent advances in noninvasive 'Deep' brain imaging: A multi-modal approach.**
Philippe Trochet, Fujifilm Visualsonics, Amsterdam

11.10-11.30 **Label-free imaging of myelin by multispectral photoacoustic analysis: a first trial.**
Massimo Gulisano, IMPRONTE Research Centre, UniCT, Catania

PRECLINICAL ONCOLOGY

11.30-11.50 **Theranostic application of gold nanorods and application in preclinical model of hepatocarcinoma.**
Luca Menichetti, IFC CNR, Pisa



11.50-12.10 **High-resolution ultrasound and photoacoustic imaging for the early detection of neoplastic modifications and early treatment of bladder cancer. The EDIT experience.**
Massimo Alfano, HSR, Milan



12.10-12.30 **Use of Vevo LAZR-X for the tumor characterization and therapeutic efficacy in preclinical studies.**
Tiziano Lottini, UniFI, Florence

12.30-13.00 **Final discussion – All**

13.00-14.00 **Lunch**

Hands-on session at Centro di Imaging Sperimentale

14.00-17.00 **Practical session on high-resolution ultrasound and photoacoustic imaging***
Philippe Trochet – Pierangela Giustetto

* On limited access. Please register as soon as possible by email to:
angela.kost@fujifilm.com | savino.lacerenza@fujifilm.com

The logos represent the contribution of the partners of EDIT