

Wednesday 16th October


14:30
18:30 RADIOMAG members meeting

Wednesday 17th October

08:15
09:00 Registration

09:00
09:10 Welcome

09:10
10:00 **Prof. Quentin Pankhurst**
Using the 'dispersion-retention-formulation method' to estimate clinical and preclinical dosage limits for interstitial magnetic hyperthermia agents
University College London (UK)




10:00
10:20 **Prof. Jesús Martínez de la Fuente**
New Biotechnological Challenges for Magnetic Hyperthermia
Institute of Materials Science of Aragón & CIBER-BBN (Spain)

10:20
10:40 **Prof. Beata Kalska-Szostko**
Layered iron oxide nanoparticles for hyperthermia application
University of Bialystok (Poland)

10:40
11:10 Coffee Break

11:10
12:00 **Dr. Giulio Francolini**
Combining old and new drugs with cutting-edge radiation treatments: a fruitful combination?
University of Florence (Italy)



12:00
12:20 **Matteo Avolio**
Hadron Therapy and Magnetic Hyperthermia: a combined therapy for in-vitro Pancreatic Cancer Treatment
University of Pavia (Italy)

12:20
12:40 **Prof. Davide Orsi**
Multi-therapy strategy to treat deep tumors: combining magnetic hyperthermia therapy with self-lighted photodynamic therapy
University of Parma (Italy)

12:40
13:00 **Dr. Marios Krokidis**
Elucidation the toxic effects of magnetic nanoparticles
Inst. of Nanoscience and Nanotechnology, National Center for Scientific Research "Demokritos", Athens, (Greece)

13:00
14:30 Lunch

14:30
15:20 **Prof. Makis Angelakeris**
Control of cancer cell fate by magnetically driven treatments
Aristotle University of Thessaloniki (Greece)



15:20
15:40 **Irati Rodrigo**
Magnetic combination therapy: a novel, drug-free approach to cancer treatment
Basque Center for Materials, Applications and Nanostructures (Spain)


15:40
16:10 Coffee Break

16:10
18:30 WP Meeting

20:00 Social Dinner

Thursday 18th October

09:00
09:50 **Prof. Paolo Zunino**
A multiscale computational model of nanoparticle-based delivery to the microvasculature
Politecnico of Milan (Italy)




09:50
10:10 **Prof. Francisco J. Terán**
Probing heat dose mediated by superparamagnetic iron oxide nanoparticles inside live cells under alternating magnetic fields
IMDEA Nanociencia (Spain)

10:10
10:30 **Prof. James Wells**
Probing localized heating and mechanical effects during magnetic field hyperthermia
Physikalisch-Technische Bundesanstalt (Germany)

10:30
10:50 **Dr. Andrea Guerrini**
Protein-based multifunctional magnetic nanoparticles for theranostic application
University of Florence (Italy)

10:50
11:20 Coffee Break

11:20
12:00 **Prof. Ulrich Hofmann**
Theranostics - Imaging and therapy with help of nanoparticles
University Medical Center Freiburg (Germany)



12:00
12:20 **Prof. Sophie Laurent**
Evidence of their potential as T1 contrast agent for MRI and development of a production method by means of continuous flow process
University of Mons (Belgium)

12:20 12:40	Prof. Maria del Puerto Morales <i>Highly reproducible iron oxide nanoparticles showing positive or negative MRI contrast</i> Instituto de Ciencia de Materiales de Madrid (Spain)
12:40 13:00	Prof. Dermot Broughman <i>Application of NMR in developing functional magnetic nanomaterials for MRI and stimulated release</i> University College Dublin (Ireland)
13:00 14:30	Lunch
14:30 14:40	Prof. Sylvie Begin-Colin <i>Engineering of dendronized nanoparticles : effect of synthesis parameters</i> Univ. of Strasbourg (France)
14:40 15:00	Prof. Ladislau Vékás <i>High magnetization water-based ferrofluids: electrostatic vs. electro-steric stabilization</i> Romanian Academy (Romania)
15:00 15:20	Dr. Costanza Ravagli <i>Nano-based products for drug delivery and immuno-therapy applications</i> Colorobbia (Italy)
15:20 15:30	Prof. Thanh Nguyen <i>Unraveling the Growth Mechanism of the Co-Precipitation of Iron Oxide Nanoparticles via Synchrotron XRD in Solution</i> University College London (UK)
15:30 15:50	Dr. Preethi Bala Balakrishnan <i>Pre-Clinical study focus on Magnetic Nanoparticles for Cancer Therapy”</i> Istituto Italiano di Tecnologia (Italy)

15:50 16:20	Coffee Break
16:20 18:20	MC Meeting
18:20 18:30	Closing

Conference Chairs

- Oliviero Gobbo (Trinity College of Dublin)
- Alessandro Lascialfari (Univ. of Milan)
- Anna Laurenzana (Univ. of Florence)
- Claudio Sangregorio (ICCOM-CNR)
- Simo Spassov (Royal Meteorological Institute of Belgium)

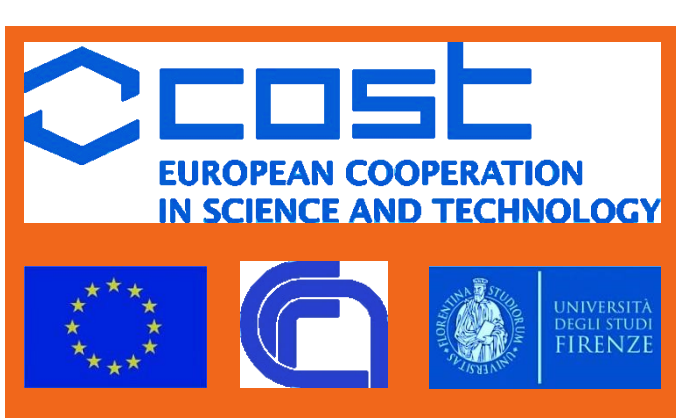
Local Organizing Committee

- Martin Albino (Univ. of Florence)
- Claudia Innocenti (ICCOM-CNR)
- Francesca Margheri (Univ. of Florence)
- Beatrice Muzzi (Univ. of Siena)
- Michele Petrecca (Univ. of Florence)

Social Dinner:
Wednesday 17th
@ 20:00

Teatro del Sale
Via dei Macci 111r,
Firenze

www.teatrodelsale.com

COST – RADIOMAG Final Meeting



Firenze, Villa Ruspoli
16th – 18th October 2018

