



European Research Council  
Executive Agency

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## Kick off meeting GIULLa Project

Tuesday, September 19, 2023 (meeting Location for day I - IIT-San Quirico, via San Quirico, 19d, 16163, Genova)

Arrival 8:45

8:50-9:10 Teresa Pellegrino Welcome, scope of the meeting and introduction to ERC consolidator GIULLa project

9:10-10:00 Anna Cristina Samia Development of nanoprobes for magnetic imaging and thermal Applications

10:00-10:50 Ali Abou Hassan Study, elaboration and assembly of magnetic based nanostructures using microfluidics

10:50-11:15 Coffee Break

11:15-11:50 Ondrej Hovorka Developments of micro-swimmers for biomedicine

11:50-12:25 Aaron Jaufenthaler Quantitative imaging of magnetic nanoparticles with magnetorelaxometry and optically pumped magnetometers

12:25-13:00 Alexander Omelyanchik/Davide Peddis Interplay of magnetic anisotropy and Interparticle Interactions in nanoparticle assemblies

Lunch time (13:00-14:00)

14:00-14:50 Jelena Kolosnjaj Unveiling the fascinating realm of inorganic nanoparticles exposed to electric and magnetic fields

14:50-15:40 Roberta Castriconi NK cells in immunotherapy

15:40-16:30 Francesco Nicassio Cellular and molecular heterogeneity in human cancer

16:30-17:00 Coffee Break

17:00-18:20 Lab tour and poster session from NanoBio group members (IIT-Morego with bus transfer organized by IIT)

18:45 Social Dinner (bus transfer provided by IIT)



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Wednesday, September 20, 2023 (meeting location for day II- IIT-ERZELLI, Via Enrico Meloni, 83, 16152 Genova near Genoa airport)

Arrival 8:45

8:50-9:25 Tania Limongi Lipid nanovectors for drug delivery applications

9:25-10:00 Clemens Burda Targeted nanoparticles to cure cancer

10:00-10:35 Cinzia Giannini Scanning SAXS/WAXS microscopy for the advanced structural characterization of nanomaterials and hierarchically organized fibers

10:35-11:00 Coffee break

11:35-12:10 David Serantes Some materials' science challenges to overcome in magnetic nanoparticle hyperthermia

12:10- 12:45 Ondrej Hovorka Physical principles of magnetic particle imaging

12:45-13:20 Michele Mossa The global perspective of experimental fluid mechanics in large laboratories

13:20-13:30 Teresa Pellegrino Conclusions and remarks

13:30 -14:30 Lunch time