

# KEYWORDS OF SFNANO & C'NANO JOINT MEETING

## SFNANO & C'NANO COMMON SESSIONS

**Nanochemistry: synthesis and functionalization of nanosystems for bioapplications**

Keywords: Synthesis, nanochemistry, inorganic nanoparticles, nanomaterials & biomaterials, formulation, functionalization

**Nanoobjects in biological fluids:**

from detection of endogenous vesicles to nanotoxicity of exogenous nanoparticles

Keywords: Characterization, nanobioparticles, biofluids, biodegradation, nanoproteome interaction, impact of nanomaterials on health

**Nano for (bio-)imaging, diagnosis and theranostics**

Keywords: *In vitro* and *in vivo* imaging, bio-interfaced nanophotonics, detection, instrumentation, internalization, biodistribution, diagnosis, theranostics

## SFNANO SPECIFIC SESSIONS

**Nanoparticles & therapeutic targeting**

Keywords: Cancer therapy, cancer diagnosis, cancer theranostic, nanosystems and therapy resistance, personalized cancer therapy, tumor imaging, tumor characterization, nanoformulations

**Bio-inspired**

Keywords: Bio-camouflaged nanosystems, hybrid nanosystems, Synthetic biology nanosystems, extracellular vesicles, artificial cells, bio-functionalization, biocompatible nanosystems, peptides, polysaccharides, green synthesis

**Nanoparticles & therapeutic targeting**

Keywords: Active targeting, passive targeting, physical targeting, triggered delivery (ultrasound, temperature)

## C'NANO SPECIFIC SESSIONS

**Solar energy**

Keywords: Photocatalysis for depollution, photoelectrochemistry, artificial photosynthesis, photovoltaics

**Nanophotonics & nano-optics**

Keywords: Nano-photonics, nano-optics, plasmonics, 2D materials

**Nanomaterials**

Keywords: Nanoparticles synthesis, nucleation/growth process, hybrid materials, core-shell nanoparticles, nanoparticle assemblies

**Surface and interface at the nanoscale**

Keywords: Molecular self-assembly, single nano-object, 2D materials, nano-manipulation, scanning probe microscopies, spectroscopies, local excitation, nano-characterization

**Nanoconfined liquids and gases**

Keywords: Nanoporous, adsorption & phase transition, transport

**Nanoplastics & Nanocomposites**

Keywords: Structure–property relationships and Functionalities, EMI Shielding and Electrical conductivity with Graphene and Carbon Nanotube, Gas-barrier and Nanoclay, Multifunctional filler, Drug delivery, nanoparticles synthesis, nucleation/growth process, hybrid materials, core-shell nanoparticles, nanoparticle assemblies

**Nanosafes by design**

Keywords: Environmental implications & applications, nanotoxicology, safer by design, characterization, nanometrology