

1st Workshop
STATE OF THE ART ON NANOTHERAPEUTICS AND NANODIAGNOSTICS
COOPERATION EVENT BETWEEN ALBANIA, ITALY AND SPAIN
Tirana, Albania (October 18, 2023)

During the NanoBalkan Conference one day will be dedicated to the 1st Workshop – Cooperation event between Albania, Italy and Spain on the topic “State of the art of Nanotherapeutics and Nanodiagnostics”. This 1st Workshop aims to keep the collaboration between the three countries, Albania, Spain and Italy in the field of Nanoscience and Nanotechnologies and their applications in important areas such as life sciences. Scientists and representatives from institutions of the three countries will share ideas about collaboration opportunities and research support programs in the research and development including cooperation with industry in the field of nanotechnology.

The main objectives of the workshop are:

- **Facilitate Collaboration:** The primary goal of the workshop is to encourage collaboration among research groups from Albania, Italy, and Spain. By promoting open dialogue and networking opportunities, we aim to establish lasting partnerships that will pave the way for future joint research projects and collaborations.
- **Exchange of Knowledge:** The workshop will serve as a platform for experts and researchers to share their latest findings, cutting-edge technologies, and methodologies in nanotechnology and its applications in biomedicine. Participants will gain valuable insights into diverse research areas and foster mutual learning.
- **Identify Common Research Interests:** Participants will explore potential synergies in their research interests and identify areas where their expertise can complement each other. This will facilitate the development of joint projects, grant applications, and research initiatives that address shared challenges and opportunities.

LOCATION: Tirana International Hotel & Conference Centre. City Center, Scanderbeg Square, Tirana, Albania

DATE: October 18, 2023

ORGANISERS: Event organized by Phantoms Foundation (Spain) with the support from Spain of ICN2, CERCA, BIST, from Albania of NanoAlb and Academy of Sciences and from Italy of ADRITELF and the embassies of Spain and Italy in Albania.

ORGANISING COMMITTEE:

Antonio Correia (Phantoms Foundation, Spain)

Coordinator Arben Merkoçi (ICN2, Spain)

Co-Coordinator Nunzio Denora (University of Bari, Italy)

Giulio Rosati (ICN2, Spain)

Claudio Parolo (ISGlobal, Spain)

Majlinda Vasjari (NanoAlb, University of Tirana, Albania)

Kledi Xhaxhiu (NanoAlb, University of Tirana, Albania)

TENTATIVE PROGRAM

9.00-9:15 Welcome, Organizers & Representatives from the Albanian Institutions, Academy of Sciences of Albania, Embassies of Italy and Spain in Tirana

Italy

9.15-9:30 Prof. Massimo Fresta (University of Catanzaro) "Nanovesicles: synthetic targeting is good, but bio-inspired is better"

9.30-09:45 Prof. Rosario Pignatello (University of Catania) "Nanotechnology as a powerful tool for innovative therapeutics: the contribution of NANOMED Research Center in Catania"

09.45-10:00 Prof. Chiara Sinico (University of Cagliari) "Combining nanocrystals and medical devices to enhance drug bioavailability and patient compliance"

10.00-10:15 Prof. Giuseppe De Rosa (University of Naples) "Lipid nanoparticles for RNA delivery: achievements and challenges"

10.15-10:30 Prof. Giovanni Tosi (University of Modena and Reggio Emilia) "Nanomedicine and Brain Diseases: opportunities and challenges"

10.30-11:30 Brainstorming & Coffee break

Spain

11:30-11:45 Prof. Susana Campuzano Ruiz (Universidad Complutense de Madrid), "Disruptive electrochemical biosensing tools for precision medicine and nutrition"

11:45-12:00 Dr. Claudio Parolo (Barcelona Institute for Global Health, Barcelona), "Optical and electrochemical nanobiosensors for prognosis and diagnosis of neglected tropical diseases"

12:00- 12:15 Prof. Maria Jesus Lobo Castañon (University of Oviedo), "Title to be defined"

12:15-12:30 Dr. Daniel Quesada (ICN2, Barcelona), "Title to be defined"

12:30-12:45 Dr. Marianna Rossetti (ICN2, Barcelona), "Title to be defined"

12:45-13:00 Prof. Beatriz Jurado Sanchez/Alberto Escarpa (Univeristy of Alcalá) "Title to be defined"

13:00-14:00 Lunch break & Brainstorming

Albania

14:00-14:15 Prof. Ahmed Jashari (NanoAlb, University of Pristina, Kosovo), "Synthesis of novel chromanic derivatives with high cytotoxic activity"

14:15-14:30 Prof. Bashkim Ziberi (NanoAlb, University of Tetova, Republic of North Macedonia), "Multifunctional nanoparticles for diagnosis and cancer treatment using smart biomaterials"

14:30-14:45 Prof. Silvi Bozo (NanoAlb, Catholic University "Our Lady of Good Counsel", Tirana), "Research platform of the satellite research group at the Catholic University "Our lady of Good Counsel" in "Advanced Drug Delivery Systems"

14:45-15:00 Prof. Ledia Vasjari (NanoAlb, University of Tirana), "Nanotechnology as a tool to investigate cell commitment to survive"

15:00-15:15 Prof. Albana Halili (NanoAlb, Western Balkan University, Tirana) "Electrospun biodegradable nanomats for hard tissue engineering"

15:15-15:30 Prof. Mimoza Basholli (NanoAlb, University of Pristina, Kosovo) "Nature's power meet Nanotechnology: Antibacterial and Anticancer applications of nanoencapsulated bioactive compounds"

15:30-16:30 Brainstorming & Coffee break

16:30-17:00 Wrap-up and Closing remarks