COST ACTION CA 17140  
Nano2Clinic: Cancer Nanomedicine - from the bench to the bedside  
Working group 3

Preclinical Development of Cancer Nanomedicines:  
State of the Art and Future Perspectives

Institute of Oncology Research-IOR, Via Chiesa 5, Bellinzona (CH)

Thursday, March 24th - Morning session  
Seminar room, ground floor

9:30-10:00 - Welcome & Introduction  
Carlo Catapano, Bellinzona (CH)

10:00-10:30 - Design and optimization of nanomedicines  
Bruno Sarmento, Porto (PT)

10:30-11:00 - Nanomedicines targeting cancer stem cells  
Simo Schwartz, Barcelona (ES)

Break

11:15-11:45 - Potential applications and design of protein delivery systems  
Francesco Cellesi, Milano (IT)

11:45-12:15 - Short presentation/paper discussion:  
Mouse models for preclinical development  
Gianluca Civenni, Bellinzona (CH)

Nanoparticle uptake and distribution  
Jessica Merulla, Bellinzona (CH)

12:30-14:00 - Lunch

Thursday, March 24th - Afternoon session  
Seminar room, ground floor

14:30-15:00 - Covid, cancer and brain diseases: nanomedicine hype  
Giovanni Tosi, Modena (IT)

15:00-15:30 - Peptide-targeted nanoparticles for drug delivery  
Tambet Teesalu, Tartu (EE)

15:30-16:00 - Adenoviral-based therapies  
Mariangela Garofalo, Padova (IT) - online presentation

Break
16:15-16:45 - Short presentation/paper discussion:
  Targeting of non-cancer cells in the tumor microenvironment
  Valeria Uboldi, Bellinzona (CH)
  Computational platforms and nanomedicine
  Giada Sandrini, Bellinzona (CH)

16:45-17:15 - Tissue-specific human induced pluripotent progenitor cells for early stage anti-cancer stem cell drug development
  Ulf Kahlert, Magdeburg (DE)

17:15-18:00 - General discussion

19:30-22:00 - Dinner

Friday, March 25th - Morning session
Seminar room, ground floor

9:30-10:00 - Extracellular vesicles as drug delivery systems
  Simo Schwartz, Barcelona (ES)

10:00-10:30 - Nanoparticles as therapeutic options in central nervous system diseases
  Valentin Cena, Albacete (ES) - online presentation

10:30-11:00 - mRNA targeting nanomedicines in castration-resistant prostate cancer: from cell signaling to personalized therapy
  Palma Rocchi, Marseille (FR) - online presentation

Break

11:15-11:45 - 3D models and preclinical development of nanomedicines
  Bruno Sarmento, Porto (PT)

11:45-12:15 - Short presentation/paper discussion:
  Nanoparticle-mediated mRNA delivery
  Alessia Cacciatore, Bellinzona (CH)
  Extracellular vesicles, cancer and therapeutic applications
  Domenico Albino, Bellinzona (CH)

12:30-14:00 - Lunch

Friday, March 25th - Afternoon session
Meeting room, North-West side, 2nd floor

14:30-15:30 - Open discussion/Additional topics
  Carlo Catapano, Bellinzona (CH)

15:30-17:30 - Wrap-up session/report preparation
  All participants