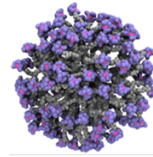




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NANO2CLINIC
CANCER NANOMEDICINE - FROM THE
BENCH TO THE BEDSIDE

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