

COST ACTION CA 17140
NANO2CLINIC
CANCER NANOMEDICINE - FROM THE
BENCH TO THE BEDSIDE



Workshop Magdeburg:

**Advancing cancer nanomedicine to the clinics:
hypes, hopes and hurdles**



Eventlocation:

Research Campus STIMULATE (Wissenschaftshafen | Speicher B)
Otto-Hahn-Straße 2
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Thursday, June 16th 2022

9:45	10:00	Welcome address from the Chair of the COST Action (S. Prigl, Univ. Trieste, IT)
10:00	12:30	Session 1- Clinical scenarios (chair U. Kahlert, OVGU Magdeburg) <ol style="list-style-type: none"> 1. Nanosystems for surgery (R. Croner, OVGU Magdeburg) 2. Gastroenterology of cancer patients (V. Keitel-Anselmino, OVGU Magdeburg) 3. Targeted immunotherapy in childhood leukemia (D. Schewe, OVGU Magdeburg) 4. The neurosurgeon´s view (E. Sandalcioglu, OVGU Magdeburg) 5. Lipid nanovesicles and hepatocellular cancer (C. Wex, OVGU Magdeburg) 6. Radiology-mediated minimal invasive care of cancer patients (F. Haag, OVGU Magdeburg)
12:30	13:15	Lunch and coffee (catering)
13:15	14:00	Guided Tour – Research Campus <i>STIMULATE</i>: New MRI devices – Room 061 New Angiography devices – Room 062 Course advertising ‘Show mobile’ of Medical Engineering
14:00	15:45	Session 2 – modeling clinical scenarios (chair C. Catapano) <ol style="list-style-type: none"> 1. Rationalizing preclinical models for nanomedicine (C. Catapano, IOR Bellinzona, CH) 2. Delivering personalised medicine in gastrointestinal cancer using patient derived organoids (F. Baenke, TU Dresden) 3. Standardization processes – experiences and opportunities https://soundcloud.com/dinyp/sets/human-beings-are-not-ants (A. Leipprand, DIN e.V. Berlin) 4. The relevance preclinical models for radiopharmacy innovation (R.-P. Moldovan, HZDR Dresden) 5. Designer proteins to combat inflammation and tumor development (C. Garbers, OVGU Magdeburg)
15:45	16:15	WG3 deliverable consolidation meeting 1 (COST action members)
17:30	18:30	City tour and aperitif
18:30	22:00	Dinner „Hoflieferant“

Friday, June 17th 2022

09:20	10:00	„Neoscan Solutions GmbH“ Tour – Speicher A (Research Campus <i>STIMULATE</i>)	
10:00	12:30	<p>Session 3 Nanomedicine – new technologies 1 (chair S. Pricl, Univ. Trieste, IT)</p> <ol style="list-style-type: none"> 1. Strategies to promote cancer nanomedicine performance and translation (T. Lammers, RWTH Aachen) 2. Old drugs in new nanomedicines for gastrointestinal tumors (B. Sarmiento, i3S, Porto, POR) 3. Novel nanosized delivery and diagnostic polymeric particles: single chain nanoparticles for 2-photon-photoacoustic imaging and drug-delivery. (W. Binder, Univ. Halle) 4. The challenges of extracellular vesicles for antibacterial therapy (A. Goes, FAU Erlangen) 5. Disorazols: Highly Active Antitumor Natural Products as Leads for New Antibody-Drug-Conjugates (D. Schinzer, OVGU Magdeburg) 	
12:30	13:15	Lunch (catering)	
13:15	14:45	<p>Session 4 Nanomedicine – new technologies 2 (chair L. Kulikowskaja, OVGU Magdeburg)</p> <ol style="list-style-type: none"> 6. AI-assisted computational screening of nanomedicine (N. Stillman, UCL, UK) 7. Theranostic nanotherapy of acute life-threatening conditions (A. Press, University of Jena) 8. Towards X-ray fluorescence computed tomography with spectrally matched nanoparticles in tissue-engineered tumor models (M Facht, OVGU Magdeburg) 	
14:45	15:15	Coffee break and ending	
15:15	16:00	WG3 deliverable consolidation meeting 2 (COST action members)	

Locations and Directions

