

# Program

**In blue: the presentations include in this pdf**

## Wednesday September 26<sup>th</sup>

- 18:40**      **Opening of the workshop:** Organizing committee
- 18:45 – 18:55**      **Presentation of the "Tumour Targeting & Radiotherapies network" of the Canceropôle Grand Ouest.**  
**Dimitris Visvikis, LaTIM, National Institute of Health & Clinical Sciences (INSERM), Brest, France.**
- 18:55 – 19:05**      *sponsors communications*
- "Integration of Nantes translational research in nuclear medicine in the SIRIC ILIAD, a success story"**  
&  
**"From IRON to IGO**  
**Nuclear Medecine: imaging and therapy for cancer, neurology and immune response"** **Michel Chérel,**  
**CRCINA, Nantes, France.**
- 19:05 – 20:00**      Plenary conference:  
**"Nanogalenic and therapeutic innovation"**  
**Patrick Couvreur, Institut Galien, UMR CNRS 8612, Paris Saclay University, Chatenay Malabry, France.**

## Thursday September 27<sup>th</sup>

- Session 1:**      **How to identify an adequate target?**
- Session 1a:**      **How to identify a target in the case of tumour targeting?**
- 9:00 - 9:40**      Invited speaker: **Alexander Satz, Roche, Switzerland.**  
**"Hit-finding strategies: from high-throughput screening to DNA-encoded libraries"**
- 9:40 - 10:20**      **Isaline Renard, Hull, United Kingdom.**  
**"Synthesis and biological validation of macrocyclic CXCR4 and ACKR3 binding agents for PET imaging and therapeutic applications in cancer"**
- Joana F. Guerreiro, Lisboa, Portugal.**  
**"Radiobiological characterization of <sup>64</sup>CuCl<sub>2</sub> for prostate cancer theranostics"**
- 10:20 – 10:30**      *sponsor communication*  
**"Integrated high performance 4x4D imaging: SPECT, PET, Optical & X-ray CT"** **Adam Badar, MILabs.**
- 11:00 – 12:00**      **Sainza Lores, Santiago de Compostela, Spain.**  
**"A versatile nanoemulsion for functionalization with different specific ligands for targeted drug delivery"**
- Mohamed Altai, Uppsala, Sweden.**  
**"New approaches for the utilization of Affibody molecules in cancer therapy: reviving an old dream"**
- Hassan Chaddad, Strasbourg, France.**  
**"Combining 2D angiogenesis and 3D Osteosarcoma microtissues to improve vascularization"**
- Session 1b:**      **How to choose a target for antitumour immune response?**
- 14:00 – 14:30:**      Invited speaker: **Nathalie Labarrière, CRCINA, Nantes Angers Cancer and Immunology Research Center, UMR INSERM 1232, Nantes, France.**  
**"MELOE-1 antigen: a model of immunogenic target for melanoma immunotherapy"**

- 14:30 – 15:30** **Clarize. M. de Korne**, Leiden, **The Netherlands**.  
 “Relationship between the Location of Intraprostatic Hybrid Tracer Deposition and Lymph Node Visualization”
- Lucine Marotte**, Nantes, **France**.  
 “Inactivation of PD-1 gene in melanoma-specific CD8+ T lymphocytes”
- Marisa Fernandes – Capitaio**, Nantes, **France**.  
 “Alpha-Radioimmunotherapy targeting PD-L1 in melanoma”
- 16:00 – 17:00** **Emilie Dupré**, Nantes, **France**.  
 “A novel strategy to identify melanoma antigens from long non coding RNA”
- Justine Perrin**, Nantes, **France**.  
 “Impact of RIT-alpha on the tumor microenvironment”
- Linda Bilonda**, Nantes, **France**.  
 “The inflammasome of tumor cells in colorectal cancer: a potential target to strengthen the Th1/Tc1 response of tumor infiltrating T lymphocytes (TILs)”

## Friday September 28<sup>th</sup>

### Session 2: What are strategies to reach a tumour target?

- 9:00 - 9:40:** Invited speaker: **Stefania Galdiero**, Department of Pharmacy, University of Naples “Federico II”, **Italy**.  
 “Peptides like drones: identify and reach the target”
- 9:40 – 10:20** **Léna Guyon**, Angers, **France**.  
 “Self-assembly of prodrugs formed by cell-penetrating peptide and ferrocifen for lung cancer treatment”
- Sanaa Ben Djemaa**, Tours, **France**.  
 “Down-regulation efficiency and intracellular trafficking of siRNA nanovectors for triple negative breast cancer treatment”
- 11:00 – 12:00** **Vincent Pautu**, Angers, **France**.  
 “Targeting melanoma tumor cells with pH-responsive lipid nanocapsules: in vitro and in vivo studies”
- Muhammad Haji Mansor**, Angers, **France**.  
 “Targeting the SDF-1 $\alpha$ /CXCR4 Signalling Axis for Trapping of Glioblastoma Cells”
- Gabrielle van Caloen**, Brussels, **Belgium**.  
 “Preclinical CDK4/6 inhibition for Squamous Cell Carcinoma of the Head and Neck (SCCHN)”
- 14:00 – 14:40:** Invited speaker: **Patrick Chames**, CRCM Cancer Research Center of Marseille, UMR INSERM 1068 CNRS 7258 & University of Aix-Marseille, Marseille, **France**.  
 “Small is beautiful: Single domain antibodies for cancer diagnostic and therapy”
- 14:40 – 16:00** **Rémi Cousin**, La Rochelle, **France**.  
 “Inhibition of heparanase-mediated tumor progression by natural sulfated polysaccharide derivatives”
- Aurélien Corroyer-Dulmont**, Caen, **France**.  
 “Hypoxia imaging: interest of Image-Guided Radiotherapy for the treatment of brain metastases from lung cancer, a preclinical study”
- Alice D’Onofrio**, Lisboa, **Portugal**.  
 “Theranostic agents for TEM1 targeting: towards clickable radioimmunoconjugates”
- Javad Garousi**, Uppsala, **Sweden**.  
 “Optimization of ADAPT6, a new scaffold protein-based probe for radionuclide molecular imaging of cancer”

## Saturday September 29<sup>th</sup>

### Session 3: Input of imaging in the follow-up of a tumour targeting & advances of multimodality for imaging and therapy

- 9:00 - 9:30** Invited speaker: **Rafael T.M. de Rosales**, Division of Imaging Sciences and Biomedical Engineering, King's College London, St. Thomas' Hospital, London, **United-Kingdom**.  
"Integrating PET imaging with Nanomedicine for gammadelta T-cell Immunotherapy"
- 9:30 - 10:30** **Nikolett Hegedűs**, Budapest, **Hungary**.  
"Intracranial glioblastoma follow-up study by multimodal imaging methods"
- Gwladys Nizou**, Brest, **France**.  
"Stable and inert lanthanide(III) complexes with pyclen-based ligand bearing picolinate arms for liver cancer diagnostic and therapy"
- Sandra Díez-Villares**, Santiago de Compostela, **Spain**.  
"Multimodal nanoemulsions for whole-body imaging in metastatic cancer"
- 10:50 – 11:50** **Océane Florès**, Dijon, **France**.  
"In vitro and in vivo trackable titanocene-based complexes using optical imaging or SPECT"
- Jonathan Mendy**, Brest, **France**.  
"New Cu(II)-based monopicolinate cyclam derivatives for theranostic PET/PDT applications"
- Océane Campion**, Reims, **France**.  
"Au@DTDTPA(Gd)-Cy5 nanoparticles for multimodality imaging in a Triple Negative Breast Cancer (TNBC) model"