

Décision 2019
**Projets de recherche dans le domaine de la physique, de la chimie et
des sciences de l'ingénieur appliqués au Cancer**

*Cet appel à projet est organisé par l'ITMO Cancer de l'alliance nationale
Pour les sciences de la vie et de la santé (AVIESAN). La gestion opérationnelle et le suivi sont confiés à l'INSERM.*

Nom	Prénom	Titre du Projet
AUBERGER	Patrick	Development of a new approach of targeted covalent therapy for the treatment of Myelodysplastic syndromes and acute myeloid leukemia
BLANCHARD-DESCE	Mireille	NANOparticles for PHOTotriggered cytotoxic drug delivery
BRITTON	Sébastien	Deciphering and exploiting the mechanism of action of a new DNA damage response inhibitor to induce synthetic lethal interactions in cancer
DEHOUX	Thomas	MecaSENS: Quantitative, label-free 3D imaging platform to diagnose the evolution of a tumour and monitor its response to treatment in vitro
GASSER	Gilles	Targeted Photodynamic Therapy towards Head and Neck Cancer with Novel Ruthenium-based Photosensitizers
JEAN	Christine	Is there a mechanically-driven pro-tumoral crosstalk between tumor and its adjacent normal stroma?
JOHANNES	Ludger	Synthetic platform for intracellular siRNA delivery
MENARD	Laurent	Optimization of the individualized patient dosimetry in radioiodine therapy of thyroid diseases

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MONCHAUD	David	ANASTOMOSIS - Alternative Nucleic Acid Structures as Targets for Organic Molecules to Orchestrate Sustained genomic Instability and cellular Stress
MOREAU	Pascale	Synthesis and biological evaluation of specific Haspin inhibitors for the development of new anticancer therapies
ROCHE	Serge	targeting the oncogenic activity of a novel pseudo-kinase in colorectal cancer with small inhibitors
RODRIGUEZ	Raphael	A chemical biology strategy to unravel molecular targets of a potential cancer stem cell targeted therapy
VALLOT	Céline	Simultaneous Transcriptome & Chromatin detection using high-throughput microfluidics (SITCOM): highlights on tumor evolution processes
VERRELLE	Pierre	FLASH radiotherapy to protect normal tissues against radio-induced peroxidation (FlashOx)