



PEARL

Pre-selected thesis projects (Second call for PhD projects)

PhD research project	1 st PI, laboratory	2 nd PI, laboratory
<i>MATisSE - Development of an instrumented microfluidic culture system to study tumour-stroma interaction and drug sensitivity of pancreatic adenocarcinoma</i>	Vincent SENEZ, LIMMS	Isabelle VAN SEUNINGEN, CANTHER
<i>FlaxTronic - Micro-Electronic Assisted flax dew retting</i>	Sébastien GREC, UGSF	Lionel BUCHAILLOT, IEMN
<i>TOPAZ - Assessing the toxicity of plastic fragments on zooplankton ecology via video tracking and behavioral analysis</i>	Sami SOUISSI, LOG	Philippe ZINCK, UCSS
<i>FLIRBATTEX - Flexible fabric-based fire retardant batteries for applications in smart textiles</i>	Vladan KONCAR, GEMTEX	Maude JIMENEZ, UMET
<i>PASSAGE - PhArmaceutical Solid State devices AGainst diabetEs worsening</i>	Susanne MUSCHERT, U1008	Emeline DUDOGNON, UMET
<i>TFClass - Leveraging multi-omics data to implement a Transcription Factor Classifier</i>	Jérôme EECKHOUTE, U1011	Guillemette MAROT, ULR 2694
<i>CID - Catalysis Inducing Diodes for sustainable chemistry</i>	Vitaly ORDOMSKY, UCSS	Bruno GRANDIDIER, IEMN
<i>PERIL - Development and improvement of a PERifusion chamber for the analysis of hormonal secretions of Islets Langerhans and evaluation of the metabolism of the cell</i>	Patrice CODEVILLE, S.A.G.E.	Valery GMYR, U1190
<i>POMADE-CoV - Porous materials for the capture and the decomposition of coronaviruses</i>	Christophe VOLKRINGER, UCSS	Anne GOFFARD, U1019
<i>RIMED - Rewiring programmed cell death and Inflammation via Modulation of ERK signalling Dynamics</i>	Franck RIQUET, PhLAM	Benjamin PFEUTY, PhLAM
<i>METEOR - Dimensionality engineering of heteronanostructures</i>	Louis BIADALA, IEMN	Ji GANG, UMET
<i>SOCIETAL_WEB_TRACKING - The Societal Impact of Omnipresent Invasive Tracking on the Web: A rigorous study of the technologies, challenges, risks, defences and user perception of Web tracking.</i>	Walter RUDAMETKIN, CRISTAL	Fabien ELOIRE, CLERSE
<i>OSCAR - Optimal techniques for Smart grid Charging of Autonomous electrical vehicles with Renewable energy sources</i>	Bruno FRANCOIS, L2EP	Luce BROTCORNE, Inria INOCS
<i>MOLTEN - Integrated Biomass Fractionation and Platform Molecules production with Lignin Valorization</i>	Fabio BELLOT NOROHNA, UCSS	Guillaume VANHOVE, PC2A
<i>MusQUA - MUlti-scale processing of Spatio-temporal data applied to air Quality in Urban Areas</i>	Romain ROUVOY, CRISTAL	Suzanne CRUMEYROLLE, LOA
<i>SENESIMEX - Computer Simulation and Experiments of Radio-Induced Cell Senescence</i>	Fabrizio CLERI, IEMN	Corinne ABBADIE, UMR 8161