Tuesday, December 10, 2019

**Welcome reception, distribution of bags and badges**

**Opening plenary:** Laurent Beck, Director of UBL ED-BS

**9h45-10h30**  
Pr. Frédéric Benhamou, Ex. Vice-President Research and Innovation: "Inter et Transdisciplinarity", Informatic department; UMR_6004 Laboratoire des Sciences du Numérique de Nantes

**10h30-11h15**  
Coffee break and poster session

**Session 1: Bioinformatic & biostatistic**

11h15 Manon Pruvost-Couvreur, Laberca, U1329, Oniris, Nantes: Modelling approach to assess lifetime dietary risk due to cadmium exposure

11h30 Noriane Cognez, IRSET, U1085, Rennes: Determinants of maternal exposure to pesticides measured in hair: The French ELFE birth cohort

11h45 Maël Conan, IRSET, U1085, Rennes: Predictive approach to assess the genotoxicity of environmental contaminants during liver fibrosis

12h Louis Marage, LTSI, U1099, Rennes: A bone-marrow-optimized quantitative MRI protocol: towards better patient follow-up

**12h15-14h**  
Lunch

**Session 2: Oncology, chemotherapy & radiotherapy**

14h Amine Maarouf, CRCINA, U1232, Angers: The role of Agr2 in chemotherapy-induced senescence and senescence escape

14h15 Kévin Bevant, NuMeCan, U1241, Rennes: TFOX, a novel TGF-β target gene, promotes epithelial-mesenchymal transition and is associated with poor prognosis in human hepatocellular carcinoma

14h30 Coralie Petit, CRCINA, U1232, Angers: Regulation of senescence escape by TSP1 and CD47 following chemotherapy treatment

14h45 Marion Berdal, CRCINA, U1232, Nantes: A universal method for the radioiodination and astatination of antibodies: easy access to I/At based theranostic tools

**15h-15h45**  
Coffee break and poster session

15h45-16h30  
Dr Erell Le Deun, Biogenouest network facilitator: "Biogenouest: the life science and environment core facility network in Western France" Biogenouest

**Session 3: Medicine & physiopathologies**

16h30 Amal Ben Abid, LTSI, U1099, Rennes: Influence of LVAD inflow cannula angulation on blood stagnation using CFD computation

16h45 Jacques Tomasi, LTSI, U1099, Rennes: Clinical impact of simulation in aortic dissection

17h Rosy Ghanem, GFGB, U1078, Brest: New ramified cationic amphiphiles as novel efficient gene delivery systems for cystic fibrosis by aerosol

17h15 Lise Piquilloud Imboden, Mitovasc, U1083, Angers: Information conveyed by electrical diaphragmatic activity during unstressed, stressed and assisted spontaneous breathing: a physiologic study

17h30 Clara Savary, IGDR, U6290, Rennes: Deciphering the genetic etiology of pediatric cancers through an integrative gene network approach

19h-22h  
Social event
Welcome reception

Dr. Damien Derouet, Manager of Le Mans Innovation: "Support for founding innovative companies for doctorates", Le Mans Innovation

Session 4: Microbiology & nutrition

10h Mélanie Foulon, CRCINA, U1232, Angers: Ketogenic diet benefits against Mycobacterium ulcerans infection: keys toward wound management improvement in Buruli ulcer

10h15 Morgane Frapin, PhAN, U1280, Nantes: Maternal Malnutrition and Hypothalamic Development

10h30 Typhaine Violo, UFIP, U6286, Nantes: Generation of homogenous monovalent and trivalent glycoconjugate vaccines against Streptococcus pneumoniae using unnatural amino acid incorporation

10h45 Sophie Reissier, BRM, U1230, Rennes: Development of a new murine model for Enterococcus faecium intestinal colonization

Coffee break and poster session

Session 5: Chemistry

11h30 Kevin Matha, MINT, U1066, U6021, Angers: Transposition from a batch to continuous formulation process of pentamidine-loaded nanopolyplexes to treat Leishmaniasis

11h45 Mariane Pourchet, Laberca, U1329, Oniris, Nantes: Development and application of a non-targeted approach to characterise human exposure to halogenated chemicals of concern in human breast milk

12h Sarine El Daouk, IICiMED, EA1155, Nantes: Exposure of the Lebanese population to aluminum and analysis of food determinants

12h15 Claire Gazaille, MINT, U1066, U6021, Angers: New generation of glioblastoma-targeted lipid nanocapsule hydrogel: a sustained and specific drug delivery system

Lunch

Session 6: Immunology, biology & fundamental research

14h Yodit Feseha, CRTI, U1064, Nantes: Tribbles Homolog 1 is a negative regulator of FOXP3 in regulatory T cells

14h15 Dhon Roméo Makanga, CRCINA, U1232, Nantes: Genetic and molecular basis of the phenotypic and functional structuration of the NK cell repertoire: implication in the context of acute leukaemia

14h30 Julie Pabois, TENS, U1235, Nantes: Pro-inflammatory stimuli increase ICAM-1 expression in enteric glial cells and favor T cell adhesion

14h45 Morgane Pengam, ORPHY, EA4324, Brest: Molecular responses involving in mitochondrial biogenesis depend on the training type in the trout red muscle

15h Alexandre Villard, SOPAM, U1063, Angers: Feces-derived extracellular vesicles from patients with liver diseases cause barrier dysfunctions by reducing ZO-1 and occludin expressions via non-muscular light chain kinase-dependent pathway

15h15 Nettie Van Meteren, IRSET, U1085, Rennes: Polycyclic aromatic hydrocarbons trigger a hepatocyte release of pro-apoptotic extracellular vesicles

Coffee break and poster session

Awards and closing ceremony