

Màj 01/06/2020

UE 2.1. Current concepts in Precision Health

15 ECTS

Parcours « *Precision Health* »

ST3: Pathophysiology and molecular basis of diseases and treatments applied to precision health

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The seminar will show, by taking several examples, how a better knowledge of the pathophysiology and molecular mechanisms of diseases can result in the development of new therapeutic strategies and contribute to a more efficient personalized patient care, notably by targeting innovative pathways and by avoiding non-response to treatment and adverse effects.

Duration: 2 days

Program

Provisional schedule

Day 1 - Morning

1/ Introduction to Seminar #3 (1.5 h)

« A multiscale signalling network map of innate immune response in cancer » - Inna Kuperstein (Paris)

2/ « CAR T-cells » - session 1 (1.5 h) – Salomon Manier

Day 1 – Afternoon

1/ « CAR T-cells » - session 2 (1.5 h) - Salomon Manier/Suman Mitra

2/ « Somatic mutations affecting Receptor Tyrosine-kinase family – Metastatic colorectal cancer » (1.5 h) - David Tulasne (Lille)

Day 2 – Morning

1/ « Circadian rhythm and immune system homeostasis – impact of ageing / acute viral infection » (1,5 h) – Benoit Pourcet et François Trottein (Lille)

2/ « Genetic and environmental susceptibility to chronic inflammatory diseases – innovative targeted therapies » (1,5 h) – David Launay (Lille)

Day 2 – Afternoon

1/ « Akkermansia : from big data to preclinical studies and POC in humans » (1.5 h) – Amandine Everard (UL Louvain)

2/ « Ionic channels applied to precision health / Metabolic syndrome » (1 h) – Vyacheslav Lehenkyi (Lille)

3/ Conclusion to Seminar #3 (0.5 h)