UE 2.1. Current concepts in Precision Health   15 ECTS

Parcours « *Precision Health* »

ST8: From cohorts to cutting-edge researches

Team: Dominique Deplanque, François Pattou

Contact: dominique.deplanque@univ-lille.fr

Patient-centered research aims to answer the question "What is the best diagnostic or therapeutic solution for a given condition?". In recent years, it has become possible to produce an increasing number of data for each patient and then to apply algorithms proposing a stratification into homogeneous subgroups. These developments make it possible to ask a new question more in line with precision health: "What is the best diagnostic or therapeutic solution for this subgroup of patients?". During the seminar, based on examples from a large variety of cohorts, a number of important issues will be addressed. They concern methodology, data sharing including the access to large health database, biological samples and imaging analysis, environmental integration without forgetting patient commitment.

Duration: 1 day

Program

Provisional schedule
Social studies in a large clinico-biological cohort : the FREGAT study - Véronique CHRISTOPHE / Florence RENAUD, Lille University

- **Biological samples in cohort studies : data from the ABOS cohort - F. PATTOU, Lille University and Hospital**

- **Longitudinal follow-up of stroke patients : multimodal approaches to predict cognitive disorders - Régis BORDET / Dominique DEPLANQUE, Lille University and Hospital**

- **From territorial to individual risk : the EPIMAD cohort - Corinne GOWER, Lille University Hospital Projet pilote de l'i-SITE**

- **CONSTANCE : a large national cohort connected to the French Health Data Base - Fabrice RUIZ or other   Clinsearch**

- **Patient engagement - Oana BERNARD, Servier**

- **Data sharing from international database - Mark IBBERSON, Swiss Institue of Bioinformatics**

    30 minutes presentation and 15 minutes discussion each

Other possible interventions
- **Twenty years longitudinal study from birth: the ELFE cohort - Marie-Aline CHARLES, Inserm**
- **HEPATHER : a large clinico-biological cohort on hepatitis with public-private collaborations - Stanislas POL, Inserm**
- **OPCYCLIN : a tool to better screen patients for clinical studies - David DELERUE, ALICANTE**
- **Brain imaging and biological markers in a European clinical trial : Fair-Park II Study – David Devos**
Cohorte HEMATO (Bruno Quesnel, Claude Preudhomme)