

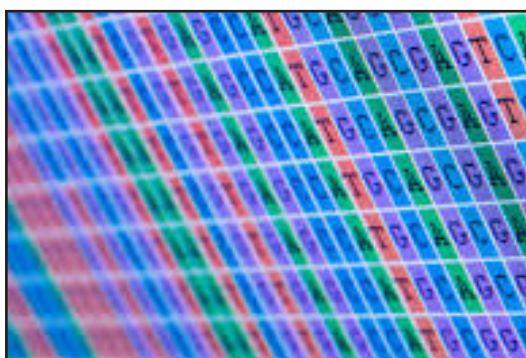
Inserm Workshop 248

Use of next generation sequencing data in the study of human diseases: statistical methods and applications

REGISTRATION DEADLINE: June 30, 2017

ORGANIZERS: Emmanuelle GENIN (Inserm U1078, Brest), Anne-Louise LEUTENEGGER (Inserm U946, Paris), Stefan MICHIELS (Inserm U1018, Villejuif).

AIMS: This workshop will provide a comprehensive coverage of the statistical methods and strategies used to analyze next-generation sequence data and uncover genes involved in diseases. A strong focus will be put on integrative methods and on clinical applications.



PHASE I – CRITICAL ASSESSMENT

September 27-29, 2017 in Bordeaux

FROM GENOME-WIDE SNP-CHIP TO NGS DATA

Christel DEPIENNE (Faculté de Médecine de Strasbourg, FRA), Gaël NICOLAS (Inserm UMR1245, FRA), Emmanuelle GENIN (Inserm U1078, FRA), Richard REDON (Inserm U1087, FRA)

METHODOLOGICAL DEVELOPMENTS AND APPLICATIONS TO UNRAVEL GENES INVOLVED IN DISEASES

Aurélien COBAT (Inserm U1163, FRA), Hugues ASCHARD (Institut Pasteur, FRA), Kristel Van STEEN (Université de Liège, BEL), Daniel GREENE (MRC, GBR), Andreas ZIEGLER (University of Lübeck, DEU)

BRINGING NGS DATA TO THE CLINIC

Patrick BOSSUYT (University of Amsterdam, NLD), Samithra MANDREKAR (Mayo Clinic, USA), Anne-Laure BOULESTEIX (LMU Munich, DEU), Mauro DELORENZI (Université de Lausanne, CHE)

DATA SHARING & ETHICS

Dominique STOPPA-LYONNET (Institut Curie, FRA), Dalel BOUSLIMI (Télécom Bretagne, FRA), Olivier DELANEAU (Université de Genève, CHE), Catherine BOURGAIN (Cermes3, FRA)



PHASE II – TECHNICAL WORKSHOP

October 5-6, 2017 - Villejuif

The practical phase will provide a comprehensive view of the software used to analyze next-generation sequencing data. The theoretical principles introduced in Phase I will be developed here in a practical way using real data examples. Methods and computer programs to perform data preprocessing, quality control and association testing will be presented. Interpretation of results and limitations will be discussed on concrete examples.

SELECTION: 20 trainees for Villejuif will be selected among Phase I participants.

Information and registration:

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