



Institut de recherche sur les lois fondamentales de l'univers

Séminaires d'Instrumentation

Mardi 30/11/2010, 11:00

Bat 141, salle André Berthelot (143) , CEA Paris-Saclay

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Genoscope / CEA

Processing massive datasets in genomics

Life science researches have been profoundly impacted by technological advances allowing faster and cheaper DNA sequencing. Opening a wide range of applications in medical and biology, the last generation sequencing platforms raised new challenges, in particular in processing, analysing and interpreting massive data. In this talk, the growing role of bioinformatics will be illustrated by providing some figures about genome sequencing and others applications aimed at unravelling biological mechanisms. Methods to gather insights from massive amount of data will be illustrated by the genome annotation process, by which genes are identified in the genome sequence.