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Grande salle + visio.

INFERRING DEMOGRAPHY AND SELECTION FROM GENOMIC TIME SERIES DATA

par

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- 📌 Genomic samples collected for a same population at several generations arise in various contexts, including experimental evolution, the monitoring of wild or domestic populations or ancient DNA studies. Such data provide direct access to the genetic diversity changes occurring within a specific time period, informing us about both the demographic and adaptive processes acting on the population during that period.
- 📌 In this talk I will describe past and ongoing work concerning the development of a statistical method estimating effective population size or / and selection intensity from genomic time series data. As an illustration, I will show preliminar results obtained by applying this approach to genome-wide data produced by an Evolve & Resequencing experiment in the pest insect *D. sukukii*.