The information hidden in the human genome: from the history of populations to adaptation and disease

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Studying genomes allows us to understand, based on the differences between them, the evolutionary processes that have occurred in the past and is currently the most powerful tool for reconstructing evolution, and in particular human evolution. On the other hand, it allows us to recognize where natural selection has been and where we have a whole new vision of the adaptation process. Last, but not least, these views have consequences on the disease risk that may be calculated at the individual level.