



PRINCIPE FELIPE
CENTRO DE INVESTIGACION

Seminario CIPF

Looking at evolutionary systems through an evolutionary genomics prism

Speaker: **Dr. Toni Gabaldón**

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Date: **25/06/18- 11 h**

Place: Saló de Actos CIPF

Abstract: Evolution leaves a footprint in the genomes of organisms, as they adapt to changing contexts. These footprints can be decoded, which serves not only to understand what genomic changes underlie important adaptations, but also to obtain insights into how biological systems function. Here I will give brief examples of how my group has coupled computational analyses to understand evolutionary processes in the recent or deep past. Examples range from the origin of eukaryotes, to the recent emergence of virulence in fungal pathogens, and will end with our current efforts to understand the role of the microbiome in health and disease.

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