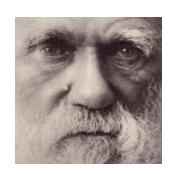


Institut Universitari Cavanilles de Biodiversitat i Biologia Evolutiva









Seminar(i)

Understanding the genetic basis of urban adaptation in Anopheles mosquitoes

Dr. Jesús Ortega

Institut Cavanilles de Biodiversitat i Biología Evolutiva (UV)

How organisms adapt to the environment is a central question in evolutionary biology with far-reaching implications, as adaptation underlies highly relevant biological processes such as resistance to pesticides or pollutants, and survival to changing environments. Although urbanization is increasing worldwide and is regarded a major threat for wildlife, its potential role as an evolutionary driver of adaptation has not been explored until recently. The challenges found in urban environments lead to strong selective pressures that result in adaptations in the behaviour, morphology, locomotion or toxin tolerance among others, allowing to study the process of rapid adaptation. In this context, the recent colonization of urban habitats by Anopheles mosquitoes offer a great opportunity to study contemporary evolution and the genomic basis of adaptation to polluted environments.

WHERE?

Seminar room – SS6 (Institutes bldg. floor -1)

Presencial

Thursday 03/11/2022 – 12:00 h

English

WHEN? LANGUAGE?