



# Seminar(i)

## Mechanisms of avian diversification in oceanic islands

**Borja Mila**

Museo Nacional de Ciencias Naturales

Oceanic islands provide unique scenarios in which to identify the factors involved in population divergence and speciation. The Gray White-eye from Reunion island and the Common Chaffinch on the Canary Island of La Palma show geographically-structured plumage color forms at very small spatial scales. We use genome-wide markers and phenotypic data to understand the relative roles of local adaptation and sexual selection in the evolutionary history of these unique cases of intra-island diversification. Our genomic and morphometric results show the combined roles of ecology in driving habitat-related divergence, but also provide evidence of premating isolating barriers likely due to sexual selection on plumage traits. Despite being good flyers, our results indicate that dispersal in these insular taxa is extremely limited and suggest the role of natural and sexual selection in restricting gene flow between incipient evolutionary lineages.

*WHERE?*

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

<https://links.uv.es/biodiver/BorjaMila>

*WHEN?*

Thursday 24/02/2022 – 12:00 h

*LANGUAGE?*

English

