



# Seminar(i)

**A genome on the move: gene regulation and adaptation  
in the human malaria parasite *Plasmodium falciparum***

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The parasite causing malaria switches transcriptional programs during life-stage transitions, and has evolved mechanisms to generate transcriptional heterogeneity enabling rapid adaptation to changing within host conditions. In my lab we are interested in investigating the regulatory genome of the human malaria parasite during development, as well as the epigenetic mechanisms underlying adaptive phenotypic variation, focusing on the most important yet unknown part of its life-cycle, the mosquito. In this talk, I will present recent findings of the lab that show how the chromatin landscape is dynamically shaped during the entire life-cycle of the parasite. Then, I will talk about on-going projects in Africa directed to investigate the epigenetic mechanisms behind malaria parasites adaptation to new and unpredictable environments.

**WHERE?**

Online. Videoconference link:

[https://links.uv.es/cafeipau/Seminario ICBiBE](https://links.uv.es/cafeipau/Seminario%20ICBiBE)

**WHEN?**

Thursday 21/01/2020 – 12:00 h

**LANGUAGE?**

English

