

Expression of interest for position at the Malaria Lab at IMBB-FORTH, Heraklion, Greece

The Siden-Kiamos and Curra' groups working on malaria at FORTH (<https://www.imbb.forth.gr/en/research-en/infections-immunity/item/76-inga-siden-kiamos>) is looking for a motivated candidate (**PhD student or Post doc**) to be welcomed in our team. The position will be funded for two years with possibility of extension.

Malaria is a worldwide infectious disease causing about 405000 deaths per year with tremendous impact in the life of people, especially children. Our research focus on basic mechanisms of transmission of the malaria parasite from the vertebrate host to the mosquito and the development inside the vector. We study the role of parasite proteins involved in the gametogenesis and establishment of the infection in the midgut after the mosquito blood feeding through a molecular and biochemistry approach. Moreover, we dissect the role of proteins important for the development during the mosquito stages, the interaction with other factors and the transmission from the vector to the vertebrate host. The aim of our research is the identification of possible candidates to be used as transmission-blocking targets in the fight against malaria.

Part of the project is developed in collaboration with University of Milano, Dept of Biosciences, and the candidate will have the opportunity to visit the collaborative lab and obtain training in structural biology.

The right candidate should hold M.Sc. degree in biology or related fields, possess basic knowledge in molecular and/or cellular biology, be willing to learn techniques for animal handling and be open to expand their skills into disciplines such as biochemistry/structural biology. Previous experience in the fields of parasitology/vector biology will be positively evaluated but is not a requirement. Availability to spend periods abroad is desirable.

Good knowledge of English is required.

Interested persons should send a brief cover letter and CV to Dr. Siden-Kiamos inga@imbb.forth.gr or Dr. Curra' curra@imbb.forth.gr. More information can be obtained from the same persons.