

Lino Ometto

Molecular evolution and population genetics of insects

My research activity focuses on the genetic basis of biodiversity, which I investigate with a combination of computational and experimental approaches in both model and non-model systems.

We use population genetics to disentangle demographic and selective processes, as well as molecular evolution to identify the genetic basis of phenotypic and adaptive traits in insects and other organisms.

In particular, by merging evolutionary genomics and transcriptomics with ecological, behavioural and morphological data, our research aims at understanding the mechanisms underlying the evolution of invading pest insects and insects of agricultural and medical importance.