



ÉVOLUTION THÉORIQUE ET EXPÉRIMENTALE (ETE)

Samuel Alizon

MIVEGEC (Maladies Infectieuses et Vecteurs : Écologie, Génétique, Évolution et Contrôle)
Montpellier, France

http://www.mivegec.ird.fr/ETE/Equipe/Alizon/index_SA.htm

I am a theoretical biologist specialized in the evolution of infectious diseases.

I use models from epidemiology, evolutionary ecology and population genetics to better understand (and predict) how diseases spread and evolve within and between hosts. I am especially interested in nested models that link within-host pathogen dynamics to epidemiological dynamics.

Some of the biological systems I am especially interested in are hepatitis C virus, HIV, vector-borne plant viruses, a protozoan parasite of Monarch butterflies and malaria.