Rachid Ouifki   3 March 2020

Title:

Mathematical modeling of the impact of intracellular delays on the dynamics of HIV

Abstract:

In this talk, I will present a mathematical model with time delays representing various time periods in the virus life cycle. The model's mathematical analysis will be presented with a focus on the delay-induced oscillations that the model exhibits and their link with the clinically observed viral blips in HIV patients under treatment with antiretroviral drugs.