



Mês de: Dezembro 2009

BIOMATEMÁTICA

Dia 15 de Dezembro (terça-feira), às 16h, na Sala B3-01

Epidemiological dynamics of dengue

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Abstract:

Dengue is one of the most widespread mosquito-borne emerging infections.

Long-term epidemiological data reveal multi-annual fluctuations in the incidence of dengue fever (DF) and dengue haemorrhagic fever (DHF) and also cyclical behaviour in the dynamics of the four closely related virus serotypes where the dominant serotype is replaced on a regular basis. Here it will be discussed how this dynamical behaviour can be attributed to complex immunological interactions between the virus, its human host and the mosquito vector.

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