

18 – Organization Principles for Living Systems - Room 206

Time	Thursday, 18	Friday, 19
14:30 - 15:20	<p>Maria-Soledad Aronna (EMAp/FGV) <i>Modeling and analysis of the contribution of fish farming to the population of the anopheles mosquito and its impact in malaria transmission</i></p>	<p>Paulo Amorim (UFRJ) <i>Reaction-diffusion and individual-based models for ant movement</i></p>
15:30 - 16:20	<p>Pierre-Alexandre Bliman (Sorbonne Université) <i>Feedback Control Principles for Biological Control of Dengue Vectors</i></p>	<p>Lionel Roques (INRIA) <i>Modelling the evolution of asexuals: PDE, integrodifferential and stochastic approaches</i></p>
16:30 - 16:45	Coffee	
16:45 - 17:35	<p>Nicolas Vauchelet (Université Paris 13) <i>Mosquito population control strategies for the fight against arboviruses</i></p>	<p>Luis Almeida (Université Pierre et Marie Curie) <i>Mathematical models of resistance and resistance to cancer treatments and simple therapy optimization</i></p>
17:45 - 18:35	<p>Boyan Sirakov (PUC - Rio) <i>Stationary states of reaction-diffusion-advection systems with inhomogeneous diffusion</i></p>	<p>Jorge Zubelli (IMPA) <i>Quantifying the survival uncertainty of Wolbachia-infected mosquitoes in a spatial model</i></p>