

# VI Southern-Summer School on Mathematical Biology

Instituto de Física Teórica - UNESP, São Paulo, Brasil

January 16 - 27, 2017



This school is aimed at graduate students in Physics, Mathematics, Ecology and Epidemiology, having at least a basic knowledge of calculus and differential equations. The first week will be a basic course on population biology, which also includes modelling exercises. The second week will be an advanced school on up-to-date topics in ecology and evolution. Candidates may apply either for one or two weeks. *There is no registration fee and limited funds are available for travel and local expenses.*

**Organizers:** Marcus Aguiar (UNICAMP), Marcel Clerc (U. Chile), Roberto Kraenkel (IFT-UNESP), Paulo I. Prado (IB-USP)

## Lectures:

### *First week*

*Introduction to Population Biology*

**Roberto Kraenkel** (IFT-UNESP, Brazil)

### *Second week*

*Evolution in spatially structured populations*

**Florence Débarre** (Collège de France – Paris, France)

*Mathematical Theory of Biological Invasions*

**Sergei Petrovskii** (University of Leicester, United Kingdom)

*Physiologically structured population models: from numerical techniques to ecological insight*

**Andre de Roos** (University of Amsterdam, The Netherlands)



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**The registration deadline is November 11, 2016**

The online registration form and more information can be found at:

**[www.ictp-saifr.org/mathbio6](http://www.ictp-saifr.org/mathbio6)**