

January Program on Physics in Biology

Instituto de Física Teórica - UNESP - São Paulo, Brasil

The successful series of one-week summer schools on mathematical biology is now in its fifth edition, and in 2016 will be followed by a three-week school featuring lectures by physicists who have made important contributions to different areas of biological research. Candidates may apply for one or both activities. There is no registration fee and limited funds are available for local and travel support of participants.

V Southern Summer School on Mathematical Biology

January 4 - 10, 2016

The 'V Southern-Summer School on Mathematical Biology' is aimed at graduate students in Physics, Mathematics, Ecology and Epidemiology, having at least a basic knowledge of calculus and differential equations. Lectures will cover the basics on population dynamics with modelling exercises with applications to ecology, epidemiology and evolution.

Lecturer: Roberto Kraenkel (IFT-UNESP)

Organizers: R. Kraenkel (IFT-UNESP), P. I. Prado (USP), M. Clerc (U. Chile)

Online application form at: <http://www.ictp-saifr.org/mathbio5>

School on Physics Applications in Biology

January 11 - 29, 2016

This three-week school on Physics Applications in Biology will include minicourses, seminars, discussion sessions, and group projects on topics including neuroscience, evolutionary dynamics, biophysics, collective behavior, pattern formation and optimization. The school is intended for graduate students and postdoctoral researchers in the physical and biological sciences.

Minicourse Lecturers and Seminar Speakers:

Vijay Balasubramanian (U. Pennsylvania)

William Bialek (Princeton U.)

Eberhard Bodenschatz (MPI, Göttingen)

Silvina P. Dawson (U. Buenos Aires)

Ulf Dieckmann (IIASA, Austria)

Celso Grebogi (Aberdeen U.)

Philip Holmes (Princeton U.)

Stanislas Leibler (IAS Princeton/Rockefeller)

José N. Onuchic (Rice U.)

Jorge M. Pacheco (U. Minho)

Francisco C. Santos (U. Lisboa)

Gustavo Stolovitzky (IBM Yorktown Heights)

Organizers:

M. A. M. de Aguiar (Unicamp), N. Berkovits (ICTP-SAIFR/IFT-UNESP), R. Kraenkel (IFT-UNESP), G. Mindlin (U. Buenos Aires)

Online application form at: <http://www.ictp-saifr.org/bioapp>



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