



International Centre for Theoretical Physics
South American Institute for Fundamental Research

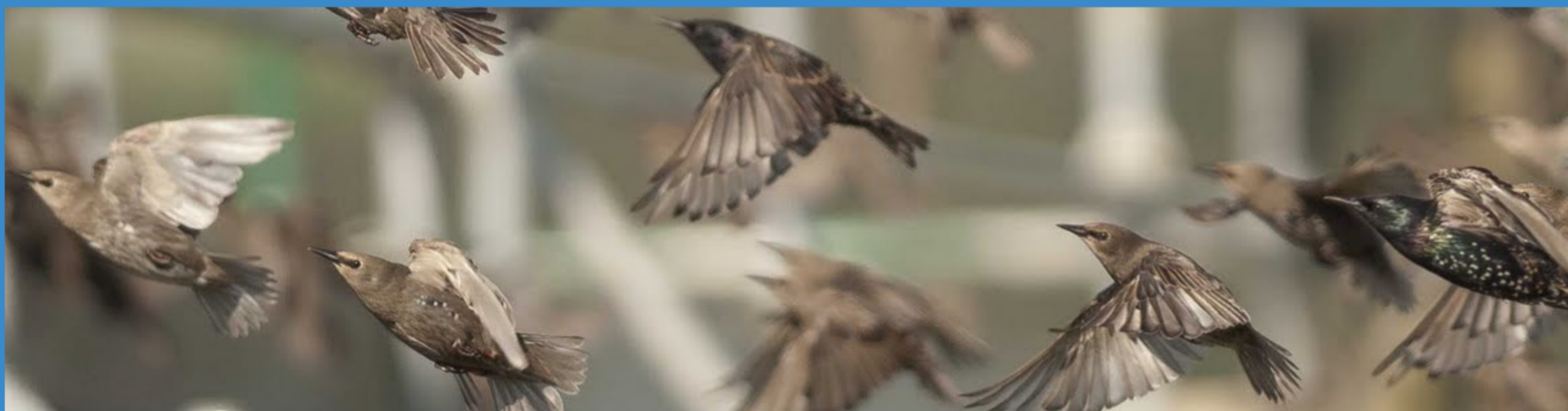


ICTP-SAIFR Minischool on Dynamical Systems in Biology

May 5 - 9, 2014

Instituto de Física Teórica - UNESP
Rua Dr. Bento Teobaldo Ferraz 271, São Paulo

Several methods developed in physics and mathematics have been incorporated in biology, including the theory of dynamical systems, networks and statistical mechanics. This school will cover applications of these methods to some leading-edge problems of biology. Students are expected to have at least a basic knowledge of calculus, linear algebra and differential equations.



Organizers:

Marcus A.M. de Aguiar (Unicamp), Nathan Berkovits (IFT-UNESP/ICTP-SAIFR)

Lecturers:

Marcus A.M. de Aguiar (Unicamp) - Population dynamics and speciation
Curtis Callan (Princeton Univ.) - Physical principles and models in cellular biology
Marcelo Magnasco (Rockefeller Univ.) - Critical dynamics in biological systems
Gabriel Mindlin (Univ. de Buenos Aires) - Birdsong as a model for learning

There is no registration fee and limited funds are available for travel and local expenses of South American participants. The **Application Deadline** for financial support is **April 12** and the Online Application and program information are at:

<http://www.ictp-saifr.org/dsb>

ICTP-SAIFR Steering Committee:

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UNESP rector
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FAPESP scientific director
Jacob Palis
Brasil Acad. of Sci. president
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