



International Centre for Theoretical Physics  
South American Institute for Fundamental Research

### **Postdoctoral position in Theoretical Ecology.**

A postdoctoral position is available in the International Center for Theoretical Physics - South American Institute for Fundamental Research (ICTP-SAIFR; São Paulo, Brazil) to work with Dr. Ricardo Martinez-Garcia, who will join ICTP-SAIFR faculty from Princeton University. The position is supported by the São Paulo Research Funding Agency (FAPESP) through a generous tax-free fellowship that covers the salary (88.500 Brazilian reais/year) and travel and research expenses (13.275 Brazilian reais/year) of the fellow for two years, with possible extension for up to four years.

We are looking for independent, creative, and motivated individuals with a strong quantitative and computational background. The ideal candidate will have a theoretical biology background or, equivalently, physics or mathematics with a strong record and interest in biology. Broadly, the main focus of the project is to theoretically investigate how different individual-to-individual and individual-by-environment interactions may lead to the emergence of spatial patterns across biological systems and how such patterns may impact population, community and ecosystem-level processes (visit <http://www.princeton.edu/~ricardom/> for related work). Interactions with empirical research are possible and highly encouraged. In addition, the successful candidate will be expected to plan and develop his/her own research, disseminate results in international conferences and journals, and keep building a network of academic contacts. The expected starting date, although negotiable, is January 2020.

ICTP-SAIFR, located in downtown São Paulo, is a South American center for theoretical physics created in 2011 as a collaboration of the International Centre for Theoretical Physics (ICTP) with the São Paulo State University (UNESP) and FAPESP. It provides a vibrant academic environment, hosting numerous visitors and workshops, as well as partnering with several world-leading institutions, such as the Princeton-CUNY Center for the Physics of Biological Function, the Kavli Institute for Theoretical Physics or the Quantitative Life Sciences Group at ICTP-Trieste.

For informal enquiries, or if you are interested in working on other aspects of theoretical ecology at ICTP-SAIFR, please contact [ricardom AT princeton.edu](mailto:ricardom@princeton.edu) to discuss about your research plans and alternative funding opportunities.

To apply for the position, please follow the instructions at <http://www.ictp-saifr.org/postdoctoral>