

Postdoctoral position in Theoretical Ecology.

One postdoctoral position is available in the International Center for Theoretical Physics - South American Institute for Fundamental Research (ICTP-SAIFR; São Paulo, Brazil). 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. We are looking for candidates with a strong interest in biology and training in statistical physics, applied mathematics, computer science, and/or related disciplines. Candidates with expertise in both data analysis and modeling/theory are especially encouraged to apply. The expected starting date, although negotiable, is January 2020; applications will be accepted until the position is filled.

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 spatiotemporal patterns across biological systems and how such patterns may impact population, community, and ecosystem-level dynamics (visit <http://www.rmtzgarcia.com/publications> for related work). In addition, the successful candidate is expected to plan and develop his/her own research, help in the organization of events at ICTP-SAIFR, disseminate results in international conferences and journals, and keep building a network of academic contacts. For informal enquiries, or if you are interested in working on other aspects of theoretical ecology at ICTP-SAIFR, please contact Ricardo Martinez-Garcia (ricardom-AT-princeton.edu) to discuss possible research plans and alternative funding opportunities.

Applicants should apply online following the instructions at <http://www.ictp-saifr.org/postdoctoral> or submit a CV with publications list, a brief statement of research interests and achievements, and names and contact information of three academic referees to ricardom-AT-princeton.edu. 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.