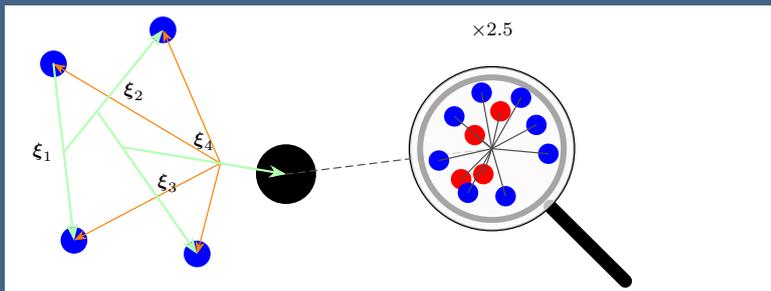


The opportunity

Applications are now open for a FAPESP postdoctoral fellowship associated with the project FranceBrazil Collaboration on Universal Behavior of Exotic Nuclear Systems. The fellowship provides a monthly stipend of BRL 12,570.00 (Brazilian reais) and can be awarded for up to 48 months (see: <https://fapesp.br/en/postdoc>). We seek candidates interested in investigating the dynamics of few-body systems near the unitarity/Efimov limit, combining analytical and semi-analytical methods to study breakup reactions of halo nuclei. The research will be conducted in Brazil under the supervision of Prof. Marcelo Takeshi Yamashita at the Instituto de Física Teórica, São Paulo State University (IFT-UNESP), in collaboration with the Physics group at the Instituto Tecnológico de Aeronáutica (ITA) and with the following French institutions: Institut Pluridisciplinaire Hubert Curien (Université Paris-Saclay); Laboratoire de Physique des 2 Infinis Irène Joliot-Curie; Institut de Physique de Nice; and Université Côte d'Azur. The joint CNRS-Université Paris-Saclay IJCLab invites applications for a **full-time, fixed-term postdoctoral position** in the Nuclear Theory Team.



Scientific Context

The postdoctoral researcher will work within the FCUBES research program. This environment enables a strong two-way transfer of expertise in few-body methods, projects around the topic of universality, and AMO physics, which complement the programs core activities. The researcher will also carry out annual collaboration visits to France, including the CNRS/IPHC, /INPHYNI and /IJCLab.

Growth trajectory

Analytical methods



Atomic, Molecular & Optical physics



Few-body methods near unitarity



Communication & collaboration



Beginner | Developing | Proficient | Advanced



Tarsila do Amaral, *Caipirinha*, 1923, oil on canvas, Public domain from Wikiart.

Host Lab:

Universidade Estadual Paulista (UNESP)
Campus de São Paulo. Instituto de Física Teórica (IFT)

Main collaborator:
Prof. M. Yamashita 

FCUBES PIs:
Prof. T. Frederico 
Dr. R. Lazauskas 

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physicsworldjobs.com/job/29984