

## **Scouting PhD students in non-equilibrium q-many body theory (NEUQUAM satellite team at the ICTP-SAIFR in São Paulo)**

The NEUQUAM team operates in the field of non-equilibrium quantum many body physics, with focus on strongly correlated systems under driven-dissipative conditions (<https://sites.google.com/view/nequantumuniv>).

As of Sept 1st, 2025, the group will relocate at the SUNY in Buffalo, USA, and it will open a satellite team led by Dr. M. Stefanini at the ICTP-SAIFR in São Paulo (<https://www.ictp-saifr.org/>).

With this announcement, we are scouting perspective graduate students to join the team in São Paulo. These students will receive joint affiliation with SUNY and they will be expected to visit Buffalo in upstate New York multiple times during their PhD. Furthermore, they will be integrated in an outreach and dissemination program, featuring bi-annually a workshop and conference in São Paulo on the core research topics of the group.

Our main activities revolve around strongly correlated quantum matter in cavity QED experiments, universality in the dynamics of many-body quantum information, and non-equilibrium physics at the interface of solid state & quantum optics. This research is in synergy with several international teams located in Europe (Austria, Germany, Italy, Spain, Switzerland) and in the US.

Students with different scientific backgrounds are welcome, and strongly encouraged to contact us. Above all we value intellectual curiosity, motivation, reliability, and focus.

Interested scholars should send the following material:

- 1) curriculum vitae;
- 2) transcript of records of bachelor and master studies, with marks for each of the classes attended;
- 3) names and e-mail contacts of 1-2 senior scientists who can vouch for their academic journey and achievements (please, do not ask to send recommendation letters at the moment);

to the email address [neuquam@gmail.com](mailto:neuquam@gmail.com) by March 1st, 2025.

With this call, we aim at selecting up to 1-2 students, who will be guided and supported in applying to the graduate program at the IFT of UNESP.

Inquiries may be considered after deadline till suitable candidates are identified.