

Postdoctoral Fellowship

Starting Fall 2020

The Quantitative Life Sciences (QLS) section of the Abdus Salam International Centre for Theoretical Physics (ICTP) seeks applications for two postdoctoral positions starting fall 2020 from outstanding young scientists of any nationality with a strong research record. The ICTP is a UNESCO Category 1 research institute supporting science and education in the developing world. It promotes worldwide initiatives for the career development of Women in Science.

The QLS section provides a unique international research environment for postdoctoral fellows with about 15 group members (faculty, postdocs, graduate students and visitors), an intense programme of workshops and conferences, close collaborations with local institutions (SISSA, ICGEB, Trieste University) and internationally-renowned research institutions. The QLS section has expertise in a broad range of fields including statistical physics of information processing, information theory, statistical learning, reinforcement learning, ecology and evolution, biophysics, stochastic thermodynamics etc. Postdoctoral fellows are encouraged, and supported, to participate in activities in developing countries in order to promote the mission of the ICTP.

Candidates should have a background in statistical mechanics and/or applied mathematics, and be able to carry out active, independent and multidisciplinary research in at least one of the following areas:

- information processing in biological systems;
- high-dimensional model-free inference;
- individual and collective behaviour in animals and machines.

Candidates with expertise in both theoretical aspects and in data science are especially encouraged to apply.

The take-home monthly salary will be in the range of 2100 — 2300 EUR (depending on seniority). Benefits include health insurance, a pension contribution, and special allowances for family members. Appointments will be made for two years, with the possibility of renewal for one more year.

Applications and expressions of interest are welcome. Applications should include a cover letter, an updated CV including the full list of publications, a statement of research interests, and two or more letters of recommendation. Applications must be submitted on-line at: https://e-applications.ictp.it/applicant/login/QP20_2. Incomplete applications will not be considered.

For additional enquiries, and expressions of interest, please contact:
qls@ictp.it

Application deadline: **August 15, 2020**