



Quantitative Life Sciences

Postdoctoral Fellowship

Starting Spring 2022



The Quantitative Life Sciences (QLS) section of the Abdus Salam International Center for Theoretical Physics (ICTP) seeks applications for a postdoctoral position starting spring/summer 2022 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 program of workshops and conferences, with a dense network of international research collaborations. The QLS section has expertise in a broad range of fields including theoretical ecology, biological physics, statistical physics of information processing, machine learning, statistical inference, stochastic processes, 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 be able to carry out active, independent and **multidisciplinary research in quantitative ecology and evolution** including (but not limited to): stochastic population dynamics, theoretical community ecology, population genetics, macroecology. Candidates should have a background in statistical physics, applied mathematics, theoretical ecology and/or related disciplines. Candidates with expertise in both data science and modeling/theory 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 online at [online application](#). Incomplete applications will not be considered.

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

Application deadline: December 15, 2021