



Two Postdoctoral fellowships starting fall 2024 Quantitative Biology / Theoretical and Microbial Ecology

The **Quantitative Life Sciences (QLS) Section of the Abdus Salam International Centre for Theoretical Physics (ICTP)** seeks applications from outstanding scientists of any nationality with a strong research record for **two postdoctoral positions** to start in fall 2024.

The positions are linked to the **project UNCOMMON “Unveiling the ecological dynamics of taxonomic and functional composition of microbial communities”**, funded by the Italian Ministry of University and Research, Decree 28.09.2021, n. 2281 “Procedura competitiva per lo sviluppo delle attività di ricerca fondamentale, a valere sul Fondo Italiano per la Scienza - FIS” (FIS 2903 - CUP J53C23002290001) with **Dr. Jacopo Grilli as Principal Investigator**.

ICTP is a UNESCO Category 1 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, an intense program of workshops and conferences, as well as close collaborations with local and international institutions.

The QLS section has expertise in a broad range of fields: quantitative ecology and evolution, theory of behavior, sensing, and learning, neuroscience, quantitative physiology, stochastic thermodynamics, high-dimensional statistics and theory of machine learning.

The selected postdoctoral researchers are expected to carry out active, independent and multidisciplinary research in the broad area of **quantitative microbial ecology, physiology, and evolution**.

Candidates should have a background in one or more of the following disciplines:

- Theoretical ecology
- Evolutionary dynamics
- Quantitative Biology
- Stochastic processes / Statistical Mechanics / Complex systems
- Data Science

The appointment will be made for two years, with the possibility of renewal for one additional year. The net monthly salary ranges between 2100–2,700 EUR depending on

seniority. Benefits include private health insurance, pension contribution, special allowances for family members (if applicable), and competitive travel funds.

Applications must be submitted on-line at:

<https://e-applications.ictp.it/applicant/login/4041>

Applications should include a cover letter, an updated and signed Curriculum Vitae, with full list of publications, a statement of research interests, and two (or more) letters of recommendation. Incomplete applications will not be considered.

Expressions of interest are welcome.

Additional information about the group can be found at:

<https://jacopogrilli.github.io/>

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

Application deadline: August 16, 2024.

Tentative dates for online interviews: August 26-28, 2024.