

Call for Expressions of Interest

Postdoctoral Position in Quantum/Nonlinear Optics

Location: University of Insubria, Lake Como, Italy

The University of Insubria (Lake Como) invites expressions of interest for a postdoctoral position in Quantum/Nonlinear Optics within the [***QUP – Quantum and Ultrafast Photonics group***](#), led by Profs. Lucia Caspani and Matteo Clerici. The group is part of the newly established **Como Lake Institute of Photonics** (www.como-photonics.it) at the Department of Science and High Technology, University of Insubria, Como, Italy.



This position is funded by the [***ERC Consolidator Grant QuNIm***](#) that investigates how entangled photons can enhance multiphoton light-matter interactions. Applications span **nonlinear imaging and biophotonics**, with a particular focus on **two-photon absorption and second-harmonic generation**.

Job Description

The successful candidate will design and implement experimental setups for the generation and characterization of bright squeezed states using intense ultrafast lasers, to enable entanglement-driven two-photon absorption and second-harmonic generation. The position includes generous support for travel, research activities and publications, offering excellent opportunities for scientific visibility and career growth.

Candidate profile

We seek enthusiastic and motivated applicants with an **experimental background in nonlinear optics and/or quantum optics**, preferably with hands-on experience with ultrafast lasers. A PhD in Physics or a closely related field is required.

Appointment Terms

- Duration: **2 years**, with the possibility of extension based on performance
- Expected Start: Spring/Summer 2026 (flexible and negotiable)

Application Process

Applicants should send the following:

- Curriculum Vitae (including contact details for two referees)
- A very brief cover letter outlining research interests and experience

Applications and inquiries should be addressed to: Prof. Lucia Caspani, lucia.caspani@uninsubria.it and/or Prof. Matteo Clerici, matteo.clerici@uninsubria.it