



Fixed-term Junior Group Leader (Maître assistant-e) position in Applied Photonics and Frequency Comb Spectroscopy (100%)

We seek a motivated researcher for a Maître assistant-e (MA) position focused on applied photonics and frequency comb spectroscopy at 100%. The position will be based within the Laboratoire Temps-Fréquence (LTF) in Professor Södmeyer's team.

The mission of the LTF is to explore and push the boundaries in the fields of time-frequency research, optical metrology, and ultrafast science and technology.

Within this framework, the successful candidate is expected to:

- Teach (4h/week) in Physics, also providing and organizing practical lab teaching, during spring and autumn semesters. The focus is on the education of students from other disciplines (e.g. medicine, biology, mathematics, pharmacology, geology, ...).
- Coordinate and strengthen collaborations with industry and academic partners in photonics and frequency comb spectroscopy.
- Support doctoral candidates and supervise master's theses within the laboratory.
- Develop an independent research program in frequency comb spectroscopy, nonlinear fiber optics, or related areas, securing external third-party funding.

The ideal candidate should have:

- A doctoral degree in Physics, Photonics, or a closely related field.
- An academic age of fewer than 10 years since obtaining the PhD.
- Demonstrated expertise in optical frequency comb technology, generation and characterization of optical frequency combs, combs by electro-optic modulation, nonlinear optics, and laser stabilization.
- Experience in applying photonics techniques for spectroscopy and sensor development.
- Strong publication record and excellent integration into the scientific community for optical frequency combs and spectroscopy.
- Previous teaching and student supervision experience. This should also include experience in giving and organizing practical lab sessions for students. The



candidate should be experienced in teaching students from disciplines outside physics (e.g. medicine, biology, mathematics, pharmacology, geology).

- Fluency in English and proficiency in French (within one year of employment).
- Excellent interpersonal and communication skills.

Starting date: January 1st, 2026, negotiable.

The position is initially secured for 4 years, renewable for an additional of 2 years pending successful evaluation. Salary according to the pay scale of the University of Neuchâtel. The position remains open until filled, with **initial review of applications beginning on 22.09.2025.**

Application materials (compiled into a single PDF named "MA_photonics_YourSurname.pdf") should include:

- A cover letter (motivation and qualifications, max. 1 page).
- A combined research and teaching vision statement (2 pages).
- Curriculum vitae including publication list.
- Contact details of two referees.

Please send applications to Secrétariat Physique <Secretariat.Physique@unine.ch>.

The University of Neuchâtel is committed to promoting non-discriminatory working conditions.

We take gender balance and diversity seriously in our hiring decisions. Shortlisted candidates will be evaluated by a recruitment committee.

We look forward to receiving your application.

