

Tytuł projektu:

Spectroscopy of quantum systems by means of exact and fast localization of optical cavity resonances

Nazwa stanowiska:

Scholarship student

Liczba stanowisk: 1

Miasto: Toruń

Link do strony www jednostki: <https://www.fizyka.umk.pl>

Wymagania:

- Skills with atomic and molecular physics
- Written and verbal communication skills as well as presentation skills.
- Teamwork ability.
- Good command of English.
- According to the NCN requirements, the candidate has to be a student.

Opis zadań:

Research tasks will be carried out as part of the NCN Opus 20 project "Spectroscopy of quantum systems by means of exact and fast localization of optical cavity resonances".

Task: Design and construction of high-precision laser systems for next-generation molecular spectroscopy

This task involves developing and optimizing laser systems for ultra-precise molecular spectroscopy measurements. The student will work with advanced optical instrumentation, gaining hands-on experience in frequency stabilization, beam control, and noise reduction. The outcome will be a fully functional measurement setup capable of resolving subtle physical effects at the highest levels of precision.

Typ konkursu: Opus

Grupa nauk: ST

Termin składania ofert: 22.05.2026 15:00

Forma składania ofert: e-mail

Warunki zatrudnienia:

Scholarship duration: 3 months. 01.07.2026-30.09.2026

Amount: 4000 PLN (brutto brutto) / month

Dodatkowe informacje:

The scholarship is awarded in accordance with the rules contained in the Regulations for granting research scholarships of the National Science Center introduced by the resolution of the Council of the National Science Center No. 25/2019 of 14 March 2019.

Required documents (send to karolina.kitkowska@umk.pl with annotation "Opus-20.6.8"):

- Cover letter
- CV
- Copies of obtained diplomas and certificates (if any)
- Copy or scan of candidate's publications (if any)
- Information about scientific awards, scholarships and other distinctions (if any)
- Description of current research activity (if applicable)
- Consent to the processing of personal data (<https://www.fizyka.umk.pl/panel/wp-content/uploads/Zalacznik-bez-tytulu-00016.pdf>).
- Certificate of student status

All documents should contain the candidate's signature or its scan.

Language of application: Polish or English.

Selected candidates will be notified individually about the date of a possible interview.

In the event of resignation of the selected candidate, the right to indicate the next candidate from the ranking list is reserved.