



Olomouc 27.03.2026

The Dean of the Faculty of Science announces a selection procedure for the job position of

Postdoctoral research fellow with focus on quantum energetics

Research Field: Quantum energetics
Number of Posts: 1
Researcher Profile: Recognised Researcher (R2)
Programme/Project name: OP JAK QUEENTEC
Department/Facility: Department of Optics
Type of contract: Fixed-term contracts
Job Status: Full-time
Hours per Week: 40
Location: 17. listopadu 12, Olomouc
Offer Starting Date: 01.05.2026

Department/Facility description

<https://optics.upol.cz/en/>

Job Profile

As part of the work package WP1 of the OP JAK QUEENTEC project, the postdoctoral researcher will deal with analysing quantum energetics in bosonic and spin-bosonic systems using methods of non-equilibrium quantum physics, non-Markovian open quantum systems and quantum thermodynamics in cooled atoms and nanoparticles and other systems, including their nonlinear interactions and numerical modeling of these processes and interactions for experimental protocols. The mentor of the postdoctoral researcher will be Prof. Radim Filip.

Requirements

- Ph.D. in Physics
- specialization in quantum energetics, non-equilibrium quantum physics, non-Markovian open quantum systems, quantum thermodynamics and quantum batteries
- publication track record in quantum energetics, non-equilibrium quantum physics, non-Markovian open quantum systems, quantum thermodynamics and quantum batteries
- ability to communicate in English

What we offer

- Reliable employer
- State-of-the-art equipment for teaching and research
- Professional development opportunities
- 30 days of vacation
- Meal allowance, canteen meals or meal vouchers
- Other benefits
- Workplace within easy reach of public transport, parking available
- Fixed-term contract for 12 months with the possibility of further extension

Documents requested



Faculty
of Science

CV in English

Academic record track over the last 5 years

If you are interested in this position, please, fill in the contact form and attached the requested documents no later than 14.04.2026.

Contact person

Filip Radim, prof. Mgr., Ph.D., radim.filip@upol.cz, +420 585 634 249

Additional Information

The Palacký University reserves the right not to fill the position in an exceptional case without giving any reason or to cancel the selection procedure.

Genius loci...