



Olomouc 02.09.2025

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

## **Postdoctoral research fellow with focus on quantum metrology**

Research Field: Quantum metrology  
Number of Posts: 1  
Researcher Profile: 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: 01.11.2025**

### **Department/Facility description**

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

### **Job Profile**

As part of Work Package WP1 of the OP JAC QUEENTEC project, the postdoctoral researcher will focus on analyzing quantum non-Gaussian metrology of fundamental forces, including gravity and quantum time standards in cooled atoms, nanoparticles, and other systems. The work will involve studying their nonlinear interactions and conducting numerical modeling of these processes to support experimental proposals. The postdoctoral researcher will be mentored by Prof. Radim Filip.

### **Requirements**

- Ph.D. in Physics
- Specialization in quantum metrology of fundamental forces, gravity, quantum clocks and quantum non-Gaussian states
- Publication track record in quantum metrology of fundamental forces, gravity, quantum clocks and quantum non-Gaussian states
- 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**

- CV in English



- Scan of Diploma
- 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 30.09.2025.**

**Contact person**

Filip Radim, prof. Mgr., Ph.D., [radim.filip@upol.cz](mailto:radim.filip@upol.cz), +420585634249

**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.