

DEPARTMENT OF PHYSICS

University Assistant without doctorate (m/f/d)

Application deadline: 05.03.2025

Salary Category: B1 without PhD

Salary per Year (Full Time): € 52,007.20

Employment Start: As soon as possible

Hours per week: 30 h/w

Duration of Contract: Temporary employment

Temporary Employment: 4 years



Franz Winter
Religious Studies Scholar



Gudrun Salmhofer
Science Manager



Philipp Spitzer
Chemistry Educator

Your Responsibilities

- Development of advanced optical methods for sensing, e.g. by combining photonic integrated circuitry and microfluidics, and study of underlying physical phenomena
- Experimental and numerical study of dynamical light-matter interaction and scattering in complex environments
- Participation in research tasks in the field of (structured) light, sound and matter (Optics of Nano and Quantum Materials; Banzer group)
- Familiarization with project-related scientific topics and literature
- Publication of research results in international scientific journals
- Presentation of research results at scientific conferences
- Writing a doctoral thesis
- Co-supervision of students
- Participation in teaching and examination duties
- Independent execution of courses and exams
- Participation in organisational and administrative tasks and evaluation measures

Your Profile

- Master's or diploma degree in physics or an equivalent degree, e.g., in experimental physics, biophysics, or similar
- Excellent command of written and spoken English (level B2 or better)
- Scientific curiosity and creativity
- Hands-on experience with respect to the concepts and experimental methods of integrated photonics or microfluidics
- Basic knowledge of experimental, theoretical and numerical methods in the field of light-matter interactions (desirable)
- Didactic aptitude for independent teaching (desirable)

- Excellent communication skills as well as willingness to work in an international and interdisciplinary team
- Commitment, self-initiative, and an independent, goal-oriented working style

The following documents are required for a complete application:

- Letter of motivation and academic CV
- Complete proof of completion of the degree program required in the call for applications
- Proof of the language skills, required in the curriculum, if the doctoral program is not completed in the first language.

We offer an annual gross salary of € 52,007.20 for a fulltime position.

We Offer

- **Meaning:** We offer meaningful work for the world of tomorrow.
- **Collaboration:** With us, you'll find interdisciplinary, cross-professional opportunities to work together.
- **Diversity:** Besides our various scientific fields and their related issues, we offer a working environment in which diversity is lived.
- Our internal continuing **education program** is as colorful as the university itself.
- **Benefits:** Of course, there are all the usual benefits, from A "access to healthcare services" to Z "Zero emission goal".
- **Flexibility:** We demonstrate flexibility not only with the various working time models but also through the offers for the compatibility of family and career.

About us

At the University of Graz, 4700 employees work together on future questions and solutions for the world of tomorrow. Our students and researchers face the great challenges of society and carry the knowledge out. We work for tomorrow. Become part of it!

The OpNaQ group (Optics of Nano and Quantum Materials - (Structured) Light, Sound and Matter) is part of the Department of Experimental Physics at the University of Graz. The group covers a broad portfolio of scientific research areas and expertise, from the investigation of individual nanostructures, the generation, description and application of complex light fields, the development of novel methods based on the interaction of structured light with matter, photoacoustics, biophotonics and laser ultrasound methods, all the way to integrated photonics, structured optical materials and sensor technology. The group investigates these topical areas from fundamental physical phenomena, experiments, and theory to applications. Each member contributes to the team's success in their own way, be it through experimental skills, theoretical expertise or creative solutions.

Contact

Univ.-Prof.Dr. Peter Banzer - peter.banzer@uni-graz.at

[Institute Website](#)

The University of Graz strives to increase the proportion of women in particular in management and faculty positions and therefore encourages qualified women to apply. In the event of underrepresentation, women with equal qualifications are generally given priority for admission. We welcome applications from persons with disabilities who meet the requirements of the advertised position.

Please note that in order to comply with the applicable data protection regulations, we can only accept applications via our web-based applicant tool for this vacant position.

We work for tomorrow. Join us!

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[APPLY NOW →](#)

University of Graz
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