



Vipavska cesta 13, 5000 Nova Gorica

**The University of Nova Gorica is offering positions of
ASSISTANT YOUNG RESEARCHER (m/f)**

We welcome candidates for assistant young researcher (doctoral candidate) positions at the student-friendly and research-oriented [University of Nova Gorica](#). Successful candidates will join research activities in the dynamic research environment supported by state-of-the-art infrastructure through involvement in international research collaborations. Successful candidates will enroll in the appropriate postgraduate study program at the [Graduate school](#) of the University of Nova Gorica.

Mentor: prof. dr. Giovanni De Ninno: 1 position

Research Topic: Ultra-fast characterization of complex materials

Applications are welcomed for PhD position in experimental physics at the [Laboratory of Quantum Optics](#), University of Nova Gorica (Slovenia). The focus of the research project is the investigation of static and dynamic properties of magnetically ordered systems utilizing laser-based magneto-optic effects and/or spectroscopic techniques.

Experimental activities will be conducted using a setup that generates high-order (XUV) harmonics of an infrared high-power laser, yielding short pulses in the tens-of-femtoseconds range. Such radiation can be precisely tuned at the M and N absorption edges of various transition metal and rare-earth compounds, enabling element-sensitive, time-resolved investigations of complex materials, in response to electronic and crystal excitations.

The project entails further development and characterization of the experimental setup, encompassing the generation of ultra-short (few-femtosecond and attosecond) XUV pulses, carrying both spin and orbital angular momenta.

The research work will take advantage of a network of international collaborations, involving, in particular, the teams working with the FERMI free-electron laser at Elettra Sincrotrone Trieste (Italy).

Candidates for these positions **are required to** meet the conditions for young researcher as stated in the [Rules on selection and founding of young researchers](#) at University of Nova Gorica.

Conditions for the selection of a young researcher candidate:

- Has not yet completed a doctorate in science or obtained the title of doctor of science;
- Has not yet been employed as a young researcher;
- No more than four years have elapsed since the year of completion of their second cycle programme of study or the programme of study leading to eligibility for admission to the doctoral programme. In the event of absence due to parental care after the completion of the study programme, with which they have enrolled/will enrol in doctoral studies, this period shall be extended for the duration of the justified absence. In the case of justified absence determined in the health insurance regulations, after the completion of the study programme, with which they have enrolled/will enrol in doctoral studies, this period shall be extended only in the case of continuous absence of more than six months (absence of more than six months means at least six months and one day), and only for the duration of the justified absence.

Prior to the beginning of the funding of the training, the young researcher shall obtain the habilitation title assistant. Conditions for obtain the habilitation title assistant are set out in the Article 4 of Regulations concerning conditions and appointment procedures for research and teaching positions at the University of Nova Gorica.

Criteria for the evaluation and selection of young researcher candidates:

- Assessment of the interview with the candidate (up to 5 points); Published papers (up to 3 points);
- Participation in research work (up to 3 points);
- Awards or recognitions received (up to 1 point);
- The average grade of the second cycle study programme or the study programme which qualifies the candidate for admission to the doctoral programme (1 point for an average grade between 9 and 10 inclusive and 0.5 point for an average grade between 8 and 8.99 inclusive).

The selected young researchers not having completed their second cycle studies when applying to the tender must complete their studies by 15 September at the latest.

University of Nova Gorica shall conclude employment contracts with the selected young researcher candidates.

Young researchers' training shall be funded until they have obtained a PhD or for a maximum of four years.

The provisions of the Act on Scientific Research and Innovation Activities (UL. RS., 186/2021), the Employment Relations Act ZDR-1, the Rules on the Selection and Founding of Young Researchers and Regulations concerning conditions and appointment procedures for research and teaching positions at the University of Nova Gorica shall be applied in the selection process of young researchers.

The following must be attached to the application:

- a short motivational letter;
- CV;
- a copy of your degree certificate, list of passed exams, grade point average and other relevant documents.

Please send your application, along with the required attachments which evidence the fulfillment of the formal requirements by e-mail to careers@ung.si no later than **14 June 2024**.

The application should be sent as a single PDF e-mail attachment.

If you have any questions relating to the application procedure, please contact:

Nina Cotič, tel. +386 5 6205 817, e-mail careers@ung.si.