

Scientist

The Institute of Inorganic Chemistry of the Slovak Academy of Sciences (Department of Theoretical Chemistry) is opening a call for applications for a postdoctoral scientific position in the field of theoretical and computational chemistry.

Job Description & Responsibilities:

- Conduct high-quality research in the field of relativistic computational quantum chemistry.
- Develop new methods for the prediction and analysis of spectroscopic parameters (NMR, EPR, XAS, etc.).
- Perform in-depth analysis and interpretation of electronic structure based on the obtained computational results.
- Implement newly developed methods into the institute's internal software packages.
- Publish research findings in high-impact journals.
- Present results at international conferences.
- Supervise PhD, Master's, and visiting students as required.
- Actively participate in the research projects of the institute.

Employee Benefits:

- Flexible working hours
- 45 days of paid annual leave
- Opportunity for engaging and creative work within the research environment of the Slovak Academy of Sciences (SAV)

Employment Type:

Fixed-term (12 to 36 months), part-time (50%) permanent employment contract

Job Location:

Bratislava, Slovakia

Salary Conditions:

EUR 1,000 – 1,300 gross/month

Application deadline:

October 27, 2026

Expected interview dates:

October 28, 2026, to October 30, 2026

Expected start date:

November 1, 2026

Requirements for the Candidate:

Education:

- Postgraduate doctoral degree (PhD) or equivalent in Chemistry (Computational Chemistry) or Physics (Chemical Physics).

Skills and Qualifications:

Based on their track record of publications, the candidate should demonstrate competence in the following areas:

- Development of quantum chemical methods for the prediction or analysis of electronic absorption spectroscopy, including spin-forbidden transitions.
- Experience with the theoretical development of relativistic quantum chemical methodologies.
- Experience with implementing quantum chemical methods and approaches into software packages.
- Advanced experience with predicting the spectroscopic parameters of molecules.
- Advanced experience using quantum chemical software packages.
- Ability to analyze electronic structure based on quantum chemical calculations.
- A broad overview of current quantum chemical methods.
- Advanced knowledge of relativistic quantum theory.
- Advanced knowledge of Python and Fortran programming languages.
- Basic knowledge of working in a Unix/Linux environment.
- Basic knowledge of LaTeX.

Language Skills:

- English – C1 level

Application Process:

If you are interested in this position, please send the list of required documents electronically to the email address petra.polakovicova@savba.sk no later than October 27, 2026.

Required Documents:

- Curriculum Vitae (CV) in Europass format
- Copies of diplomas proving the achieved level of education and academic degrees, including any scientific qualification degrees
- Overview of scientific research results, including a full publication list
- List of citations
- List of research projects participated in to date
- Solemn declaration of full legal capacity
- Consent to the processing of personal data
- Criminal record check (not older than three months)