

## **Researcher**

The Institute of Inorganic Chemistry of the Slovak Academy of Sciences (Department of Theoretical Chemistry) is opening a selection process for the position of Researcher in the field of theoretical physics.

### **Job Information / Job Description:**

- Conducting high-quality research in the field of relativistic computational quantum chemistry.
- Developing new methods for predicting EPR spectroscopic parameters.
- Implementing newly developed methods into the institute's internal software packages.
- Publishing achieved results in high-impact journals.
- Actively participating in the institute's research projects.

### **Employee Benefits:**

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

### **Type of Employment:**

Full-time (100%), fixed-term contract (10 months)

### **Place of Work:**

Bratislava, Slovakia

### **Salary Conditions:**

The starting gross monthly salary (€1,300 – €1,500) will be determined in accordance with Act No. 553/2003 Coll., depending on qualifications and length of experience.

### **Expected Deadline for the Selection Process:**

October 27, 2026

### **Expected Interview Dates:**

October 28, 2026, to October 30, 2026

### **Expected Start Date:**

November 1, 2026

## **Requirements for the Candidate:**

### **Education:**

- Master's degree / Post-graduate degree (University education – 2nd degree).

### **Skills and Qualifications:**

- Advanced knowledge of differential geometry (e.g., representation theory of Lie groups and Lie algebras).
- Advanced knowledge of quantum physics.
- Advanced knowledge of the theory of tesseral and spherical tensor operators.
- Advanced knowledge in the theory of EPR spectroscopy for systems with multiple spin centers (e.g., knowledge of the limit in strong and weak exchange interaction).
- Advanced proficiency in the Python programming language.
- Basic skills in LaTeX and Overleaf.

### **Language Skills:**

- English – C1 level.

### **Application Information:**

If you are interested in this position, please send the list of required documents electronically to the following email address by October 27, 2026, at the latest: [petra.polakovicova@savba.sk](mailto:petra.polakovicova@savba.sk).

## **List of Required Documents:**

- Curriculum Vitae (CV) in Europass format
- Copies of diplomas and degrees achieved
- Affidavit/Declaration of legal capacity
- Consent to the processing of personal data
- Criminal record certificate (not older than three months)