



Institute of Biophysics of the CAS, Královopolská 135, 612 65  
Brno

advertises

## **postdoctoral/junior researcher position**

in the laboratory of Prof. Jiří Šponer,

<https://www.ibp.cz/en/research/departments/structure-and-dynamics-of-nucleic-acids/info-about-the-department>

**Job Description** – advanced computational studies of nucleic acids and their complexes with proteins. **Exact topic is to be discussed based on the experience of the applicant and within the current scope of the laboratory. May include simulation studies on folding of G-DNA and i-DNA, studies of protein-RNA complexes, DNA/RNA force-field development and others.**

### **Requirements:**

- Ph.D. degree (or the equivalent of a Ph.D.) from an institution of recognized standing
- **Prior substantial experience in theoretical and computational studies of nucleic acids or their complexes with proteins, including high-quality research publications in the field, is strictly required. Methods may include MD simulations as well as QM, proven experience with enhanced-sampling simulations would be an advantage.**
- At least 2 years out of last 3 years spent outside the Czech Republic

### **We offer:**

- Interesting full-time position in one of the world-leading laboratories in computational studies of nucleic acids – see our publication and citation record in WOS or SCOPUS databases.
- Contract for 2.5 years (till the end of October 2022) with possible extension
- An attractive monthly salary of 68,000 CZK (approx. 2,700 EUR, twice more than the national average salary) and benefit package
- 5 weeks of paid holiday

- Background of a recognized and successful institution with supportive and international working environment
- Environment promoting interdisciplinarity and intersectorality of research
- Excellent in house computational facilities
- Direct collaboration between experimentalists and theoreticians
- Support with the relocation process (welcome office service)

**Optimal start date:** May 2020 (earlier start can be negotiated)

**To apply, please send your CV, motivation letter including contact information of two referees, a resume and a full list of publications to [sponer@ncbr.muni.cz](mailto:sponer@ncbr.muni.cz).**

#### Additional information

The Institute of Biophysics (<https://www.ibp.cz>) of the Czech Academy of Sciences is a scientific institute in various disciplines of biophysics, biology and chemistry, which established itself as a recognized centre for basic as well as applied research. IBP offers a state-of-the-art infrastructure and great conditions to employ excellent researchers.

Our institute values diversity and promotes an inclusive working environment with the aim to support the best scientists.

#### Information about Brno, Czech Republic

- The capital of South Moravian Region and the second largest city in the Czech Republic with a population of almost 400,000 people
- Modern, dynamic and fast-growing centre of industry, trade, science, research and innovation with business incubators and centres of excellence in science
- A city of universities with more than 86,000 students
- More than 10,000 researchers; 2,200 IF publications/year; 600+ PhD graduates/year
- 500 mil. EUR of R&D investment per year, more than 350 companies with in-house R&D
- City of Gregor Mendel, the founder of genetics; the prestigious Mendel Lectures series takes place in Brno since 2003 (lectures of the world's top scientists, including Nobel Prize winners),
- [Quality of life index in 2016](#)

#### For further informations about:

- IBP, please visit <https://www.ibp.cz>
- Brno, please visit <http://www2.brno.cz/index.php?lan=en&nav01=20608&nav02=20617>