



**Institute of Physiology of the Czech Academy of Sciences** (Prague, Czech Republic) announces a call for a:

## **Postdoc position in Computational Neuroscience**

The **Laboratory of Computational Neuroscience**, Institute of Physiology, Academy of Sciences of the Czech Republic, Prague, invites applications for a postdoctoral position to a motivated person to work in the field of theoretical neuroscience.

### **Research focus**

Theoretical methods are employed to describe and understand particular processes in neural systems on the level of single cells or populations. Especially:

- Metabolic cost of neuronal information and coding efficiency
- Applications of information theory and estimation theory to computational neuroscience
- Signal processing in insect olfactory system
- Measures of neuronal spiking variability

See: <http://www.biomed.cas.cz/~kostal/> for more details.

### **Requirements**

- The applicant should hold a PhD, be fluent in English and be highly motivated to work on new topics
- Have strong mathematical and programming skills (background in either physics, mathematics, statistics or electrical engineering)
- Prior experience in computational neuroscience is advantageous but not required

### **Conditions**

- Full-time fixed term contract for 12 months with possible extensions
- Gross salary: 40.000 CZK per month
- No teaching duties will be required
- Possible accommodation within the institutional campus (serviced apartments, approx. 6.000 CZK/month rental for 1+kk) might be available (depends on the current demand)
- Cost of living comparison: <https://www.numbeo.com/cost-of-living/in/Prague>

- Five weeks of vacations, three sick-days, and a wide range of benefits (health insurance, social security, subsidized lunches, gym on campus, language courses..)

**Expected Appointment Start Date:** January 2022 (or earlier)

**Required Documents:**

- CV with research experience, list of publications, scientific and technical skills
- Two letters of recommendation
- Certificate of the PhD degree

to be sent by the applicant to the contact below by December 1, 2021

**Contact:** Marcela Tomášková [marcela.tomaskova@fgu.cas.cz](mailto:marcela.tomaskova@fgu.cas.cz)