



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.

Conditions

- Full-time fixed term contract for 12 months, extensions negotiable
- Gross salary: 40.000 CZK per month
- Position starting January 2022 (or earlier)
- No teaching duties will be required
- Subsidized accommodation within the institutional campus (serviced apartments, approx. 6.000 CZK/month rental) might be available (depends on the current demand)
- Cost of living comparison: <https://www.numbeo.com/cost-of-living/in/Prague>

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
- The applications should be sent to Lubomir Kostal (kostal@biomed.cas.cz) and contain:
 - CV with research experience, list of publications, scientific and technical skills
 - Two letters of recommendation
 - Certificate of the PhD degree