

Dean
of Faculty of Electrical Engineering and Computer Science
VSb - Technical University of Ostrava
announces a selection procedure for a post of
VP9 Researcher (junior/post-Ph.D.) 3
for Department of Cybernetics and Biomedical Engineering
for project **LERCO - Life Environment Research Center Ostrava**
(CZ.10.03.01/00/22_003/0000003)
research program 9 "Biomedical Engineering"

The position is suitable for both women and men.

Required expertise:

Biomedical engineering - Diagnostic and therapeutic applications, sensor systems

Activity description:

- Research and development of new technical solutions and carrying out experiments and analyses relevant to one of the specified research directions:
 - Development and implementation of sensors and transducers in biomedicine.
 - Measuring and processing of biological signals related to the cardiovascular system.
 - Diagnostics of the cardiovascular system.
- Collaboration with research groups locally, nationally and internationally.
- Publication of results in peer-reviewed journals, presentation of findings at national/international scientific meetings, contribution to the results of intellectual property protection.
- Compliance with procedures and processes following the requirements of the grant provider.

Full time equivalent: 1,0

Number of positions: 2
fixed-term employment contract for one year with the possibility of extension based on regular results evaluation

Type of job contract:

Expected start of employment: 1. 6. 2025 or as agreed

Salary: 75 000 CZK per month (approx. 3000 EUR) gross

We require:

- Completed Ph.D. degree in Biomedical Engineering or related field, preferably focused on the development of hardware and software for sensor systems and biosignal processing related to cardiovascular system.
- Knowledge of English language at B2 level.
- Publication activity in traditional journals exclusively focused on biomedical engineering, (we require at least 2 publications in impacted journals in the 1st quartile in the field of biomedical engineering or related according to Scopus/WoS).
- An internship abroad of at least 4 months or previous experience in a research project of a minimum duration of 1 year at a minimum of 0.4 FTE with a share in the output of intellectual property protection such as patent or utility model.
- Flexibility, motivation for scientific work.
- The ability to work as a team, but also to be independent.

We offer:

- Work in a promising organization.
- Modern laboratory and classroom facilities.
- Opportunity to participate in excellent research.
- Possibility of further education.
- 6 weeks of holidays.
- Flexible working hours.
- Free parking on the university campus for employees.
- Contribution to supplementary pension scheme.
- University kindergarten.
- Company catering in the canteen.
- MultiSport card.
- Other employee benefits according to the employer's offer.

Your personal data will be processed to the extent necessary for the implementation of the selection procedure in accordance with EU Regulation 2016/679.

<https://www.vsb.cz/export/sites/vsb/en/.content/files/Informace-pro-uchazece-o-zamestnani-AJ.pdf>

Application including:

- a CV focused on professional experience,
- a covering letter explaining your interest in the position,
- a list of publications and projects undertaken,
- two recommendation letters describing: relationship to the applicant, past work/academic performance, work qualities/personal conduct, overall assessment of potential for success in a research environment,
- evidence of educational qualifications

should be sent by email to the address: andrea.supova@vsb.cz till 15. 5. 2025.

In the subject of the email, please state " **VP9 Researcher (junior/post-Ph.D.) 3** ".

We reserve the right to re-advertise or extend the closing date for this post.



**Co-funded by
the European Union**

**Ministry of the Environment
of the Czech Republic**