



Laboratory of Reproductive Medicine of Biomedical Center, Faculty of Medicine in Pilsen, Charles University, announces the selection procedure for filling a full-time job:

Post-Doc Researcher in the Laboratory of Reproductive Medicine of the Biomedical Center Beginning: September – December 2020

Job description:

Involvement in the research project *Study of hydrogen sulfide biological action in gametogenesis and early embryonic development*. The work will consist of experimental verification of the hypothesis that neurotransmitter hydrogen sulfide acts as a signal molecule, essential for oocyte maturation, fertilization, and early embryonic development, due to post-translational changes of key regulators of the cell cycle, DNA damage response, epigenetic code establishment, and/or mtDNA replication, using genetic mouse models.

We can offer:

- employee contract for at least one year,
- the work in the established research team,
(see details: <http://www.biomedic-plzen.cz/en/404-laboratory-of-reproductive-medicine>),
- well-equipped workplace, using genetic mouse models and advanced molecular analyses,
- progressive field of the research topic,
- flexible working hours,
- the possibility of personal growth.

Obligatory requirements:

- adequate publication activity,
- skills with oocyte isolation and oocyte maturation,
- experience with *in vitro* fertilization and embryo analysis (fixation, immunostaining),
- basic knowledge of oocyte microinjection.

Other requirements being advantageous:

- sperm analysis,
- mitochondria isolation,
- genome and transcriptome analysis,
- electrophoresis, western blot, immunoprecipitation,
- teaching experience, student leadership.

The application must consist of:

- e-mail addressed to personalista@lfp.cuni.cz,
- motivation letter (including own ideas of the contribution in the research project),
- professional CV with the publication list,
- PhD diploma (or its authorization).

For more details about the laboratory and research, please, contact us here: jan.nevoral@lfp.cuni.cz. At the same time as e-mail sending to personalista@lfp.cuni.cz, please, attach the aforementioned documents in electronic form and specify the e-mail in the subject as "VR REPROD".

By sending your CV you consent to the processing and storage of your personal data according to the provisions of Section 12 and Section 21 of Act No. 101/2000 Coll. on the protection of personal data. We consider your personal material confidential and will be handled in accordance with the aforementioned law.