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OP Education
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Institute of Molecular Genetics of the ASCR, v.v.i.

INVESTMENTS IN EDUCATION DEVELOPMENT

To foster functional genomics in the field of transgenic mouse models and mouse genetics

Institute of Molecular Genetics of the ASCR, v.v.i. (IMG)

invites applications for the full-time researcher positions in the project

“Founding of an expert team for the Centre for Phenogenomics”

The purpose of the project is to establish selected phenotyping screens as a part of a phenotyping platform of the Czech Centre for Phenogenomics (CCP) to work with mouse and rat models. We are seeking outstanding experts and specialist whose main task will be to establish primary and secondary phenotyping screens and build a service team for researches that use mice and rats as models. The team members leading any of the phenotyping screens are also encouraged to create their own research groups within their expert area.

Following core research positions are available:

- 1) **Pathologist (leader position):** as a member of the histopathology laboratory you will be responsible for analysis and description of mouse and rats tissue samples
- 2) **Histology analysis:** as a member of the histopathology laboratory you will be responsible for processing tissue samples
- 3) **Biochemistry screen (leader position):** you will set up the biochemistry screen and interpret analyzed data
- 4) **Cardiovascular screen (leader position):** you will be responsible for cardiovascular screening including ultrasound and additional imaging analyses in mouse and rat mutants
- 5) **Metabolic screen (leader position):** you will be responsible for metabolic tests in mouse and rat mutants
- 6) **Embryonic stem-cells manipulation and targeted mouse transgenesis (leader position):** you will supervise the transgenic platform
- 7) **Embryology:** you will set up the embryology screen and will assist with analysis of mouse mutants during embryogenesis
- 8) **Construction of targeting vectors for transgenesis and genotyping:** you will serve the transgenic core facility and costumers; technical position

Alternative positions

- 9) **Bioinformatics for genomics:** you will analyze targeted or genome-wide data from mouse or rat models
- 10) **Expert for screening of development and pathology of vision/eye**



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An additional position could be created for **an excellent immunology expert** to set up an immunology analysis of mouse and rat mutants including flow cytometry and development of secondary screens for selected immune disorders.

For leader positions we expect applicants to have PhD in related disciplines and/or with relevant research experience and publications. For other positions we expect applicants to have master degree and research experience. Good command of English is a must, other languages are an asset.

We are offering new state of the art equipped center with excellent collaboration conditions, international working environment and competitive salary based on the candidate's experience and records.

All core positions are available immediately. Alternative positions are available under specific conditions - please contact us for more information. All positions are fixed-term until May 2014. After this period, successful researches will have the opportunity to get further appointment in CCP within BIOCEV project.

The Institute of Molecular Genetics is a leading Czech research institute in the field of genetics that sets up the CCP as part of the BIOCEV project (www.biocev.eu), in which biomedical research institutes of the Czech Academy of Science and two faculties of Charles University are involved. This new scientific center is going to be built in the municipality of Vestec in the close vicinity to Prague and should employ up to 600 persons in next few years.

For further information please contact project coordinator Mr. Libor Daněk via email at libor.danek@img.cas.cz.

The applications in English including letter of interest and structured CV should be sent to following address:

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