PhD Student Position (f/m)

in the Laboratory of Development and Cancer

of Prof. Dr. Mirka Uhlirova at the Cologne Excellence Cluster on Cellular Stress Responses in Aging-associated Diseases (CECAD), Institute for Genetics, University of Cologne, Germany

Applications are invited from talented, creative and motivated students holding a Master degree or its equivalent to elucidate mechanisms underlying responses to mechanical stress during development, tissue regeneration and cancer in *Drosophila* and mouse models.

The available project focuses on investigating how forces impact gene expression and genome organization and how changes in cell mechanical properties affect cellular behavior, cell-cell and interorgan communication. The candidates will combine state-of-the-art genetic approaches and imaging with tools of cell biology, biochemistry and genomics.

Candidates should have expertise in molecular and cell biology techniques, and have an interest in mechanisms of signaling and gene regulation in development and disease. Strong background in genetics is required, and knowledge of basic bioinformatics tools is welcome. Experience in handling mice is an advantage. Good communication skills, fluency in spoken and written English, and sense for a team work are essential.

The position is available from August 1st, 2018 on a part-time (65%) basis. The initial contract is limited to 3 years with a goal of obtaining a doctorate. The salary is based on the TV-L 13 pay scale for the German public sector if applicant meets the relevant wage and qualification requirements.

The successful candidates will benefit from a stimulating, multidisciplinary and highly interactive research environment of the CECAD Cluster at the University campus.

The University of Cologne is an equal opportunity employer in compliance with the German disability laws. Women and persons with disabilities with equal capability, suitability and professional experience are strongly encouraged to apply.

To apply, send **a single PDF file** including CV, a brief statement of research interests and achievements, your motivation for the application, and contact information for two references to uhlirova-jobs@uni-koeln.de.

Deadline for application: June 30th, 2018

For more information visit: http://www.uni-koeln.de/inter-fak/cecad/uhlirova/

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