

# **PhD position in zebrafish genetics at the Forschungszentrum Karlsruhe**

A 3 years PhD position is available at the Institute of Toxicology and Genetics (Forschungszentrum Karlsruhe) in the group of Thomas Dickmeis.

We study the interplay between endocrinology, metabolism and the circadian clock in cell cycle regulation, using the zebrafish as our principal model system. The proposed PhD project involves the generation of biosensors to measure glucocorticoid signalling activity and cell cycle progression in the intact animal in order to understand the dynamics of adrenal signals and their effect on cell cycle progression. These biosensors will enable us to study the maturation of adrenal signalling and circadian cell cycle dynamics during development and in mutants with disrupted endocrine functions, and will constitute valuable tools for genetic and pharmacological screening approaches.

The Institute of Toxicology and Genetics (ITG) is part of the Forschungszentrum Karlsruhe (FZK, Research Centre Karlsruhe), which is a member of the "Hermann von Helmholtz-Gemeinschaft Deutscher Forschungszentren (HGF)". Core research programmes at the ITG are centered on molecular genetics of cancer, cell differentiation and proliferation, vertebrate embryology, proteomics, genomics and molecular environmental toxicology. The institute provides excellent infrastructure for biomedical research, including mouse, rat, Drosophila and fish facilities, bioimaging suites, as well as histology, tissue culture and gene array facilities. The cosmopolitan make-up of the institute is reflected by the fact that staff members represent 15 different nationalities from around the world and English is the lingua franca.

For further information, please contact:

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