

The University of Würzburg, Germany, invites applications for Ph.D. student and postdoctoral positions to work on the role of

Ubiquitylation in Human Cancer

starting from April 1st, 2018. The available positions are funded by the European Union (see: www.biozentrum.uni-wuerzburg.de/ubi-cancer).

The posttranslational modification of proteins by ubiquitin has taken center stage in eukaryotic cell biology. Abnormalities of the ubiquitin system causally contribute to the pathogenesis of multiple forms of human cancer. Currently, limited mechanistic insight into the affected components of the ubiquitin system still presents a major obstacle to the design of efficient therapeutic strategies. The aims of this consortium are to identify critical changes in ubiquitylation that drive tumor development and to explore new therapeutic strategies targeting the ubiquitin system. A particular focus will be on the role of protein ubiquitylation in the control of transcription.

Our program integrates internationally recognized research groups in a unique collaborative framework. It provides an excellent platform for research and training using state-of-the-art technologies in structural biology, biochemistry, molecular cell biology, tumor biology, microbiology, functional genomics, in silico drug design and proteomics. The research program is complemented by scientific seminars and workshops, as well as career development opportunities offered jointly with the Graduate School of Life Sciences at the University of Würzburg.

Ph.D. students and postdocs will be affiliated with the doctoral program "Understanding Ubiquitylation: From Molecular Mechanisms to Disease" (www.uni-wuerzburg.de/grk2243) and the research group "Targeting therapeutic windows in essential cellular processes for tumor therapy" (www.biozentrum.uni-wuerzburg.de/for2314).

We offer

- a competitive international research environment
- an interdisciplinary and structured PhD program
- a culture of welcome and support for international students and postdocs

We are seeking highly qualified, enthusiastic students holding a M.Sc. or equivalent degree with a suitable background in the life sciences (for Ph.D. positions) or holding a Ph.D. (for postdoctoral positions). Applicants must be fully proficient in English. Knowledge of German is not required. Payment is based on the German federal public service scale TV-L.

The University of Würzburg is an equal opportunities employer. Applications of women are thus especially encouraged; disabled applicants with equivalent qualifications will be considered preferentially. The deadline for the application is April 1st, 2018. The application can be send to l-molbio@uni-wuerzburg.de. To obtain further information about the program, participating laboratories and available research projects, please visit the websites listed above.