

The Department of Biochemistry and Cell Biology, laboratory of Prof. Stefan Gaubatz, at the Biocenter of the Julius Maximilian University Würzburg is offering a position for a

PhD student or Postdoctoral scientist (f/m/d)
“Gene regulation and chromatin changes by Hippo/YAP signaling”

to be filled at the next possible date. Remuneration will be according to TV-L. The position will initially be funded for three years (with the possibility of extension).

Profile:

Our research focuses on transcriptional regulation of cell cycle genes in cancer cells. The project aims to understand the molecular mechanisms of gene regulation by YAP, which is the downstream effector of the Hippo-signaling pathway and an important regulator of cell proliferation and organ growth. Goals of the project are to (i) identify co-factors that mediate the global chromatin changes by oncogenic YAP using genetic high-throughput screens, (ii) investigate how replication stress by hyperactive YAP leads to vulnerabilities that can be exploited for cancer treatment, (iii) investigate the crosstalk between YAP/Hippo and the Myb-MuvB (MMB) complex. A wide range of state-of-the-art molecular cell biology technologies, including ChIPseq, ATACseq, Cut&Run and CRISPR-interference, will be used.

Selected publications:

Pattschull et al. *Cell Reports* (2019) doi.org/10.1016/j.celrep.2019.05.071
Gründl et al. *PLOS Genetics* (2020) doi:10.1371/journal.pgen.1008818
Fetiva et al. bioRxiv (2022) doi:10.1101/2022.09.08.507127

Requirements:

PhD candidates should hold a MSc or equivalent degree in a relevant area of the life sciences. Initial experience in molecular biology, cell culture, and/or knowledge in bioinformatics analysis of NGS data is a plus.

Postdoctoral candidates should hold a PhD in a relevant area of the life sciences and a proven track record in one or more of the following techniques: mammalian cell culture, CRISPR/Cas9-mediated gene editing, NGS-based methods (RNAseq, ATACseq, ChIPseq, Cut&Run). Additional experience in *in vivo* experiments and/or knowledge in bioinformatics analysis of NGS data is beneficial but not a strict prerequisite.

Candidates for either position should be highly motivated and passionate about science. Good communication and teamwork skills and fluency in English are essential.

We offer:

A highly stimulating international research environment in a well-equipped and modern department in the University of Würzburg's Biocenter, which provides diverse opportunities for collaborations.

PhD students will enroll in the PhD program of the Graduate School of Life Science (GSLs), which offers interdisciplinary practical training, summer schools and retreats, and mentoring by a thesis committee of three experts in the field.

The JMU Würzburg aims to increase the percentage of women in research and teaching and therefore expressly requests applications from suitably qualified female scientists. In case of equal qualifications, handicapped applicants will be employed preferentially.

Application/ Contact:

Please send your application package, which should include a statement of motivation, a detailed CV, academic transcript and the contact details of at least two references, as a single pdf file by to e-mail stefan.gaubatz@biozentrum.uni-wuerzburg.de no later than **October 17, 2022**.

For further information please contact

Prof. Dr. Stefan Gaubatz (stefan.gaubatz@biozentrum.uni-wuerzburg.de) or

visit our web site: <https://www.biozentrum.uni-wuerzburg.de/en/bcz/gaubatz-group/>

