



In 2010, the Philipps-Universität Marburg and the Max Planck Institute for Terrestrial Microbiology joined forces to bring synthetic microbiology to Marburg. They established SYNMIKRO, the Center for Synthetic Microbiology, within the LOEWE excellence program of the state of Hessen. Research at the center follows the two-pronged approach - building to understand and understanding to build - to gain insights into the basic principles of microbial life and to provide the fundamental knowledge and tools needed to tap in novel ways the potential of microorganisms as cell factories or sensor/reporter systems. Since its foundation, the center has grown to become a major, internationally visible research institution that today represents one of the hot spots of research in quantitative and synthetic microbiology in Europe.

The Project Group of Dr. Sobetzko, which is part of the Department of Chromosome Biology (Prof. Dr. Torsten Waldminghaus), is looking for a

## Research Assistant (PhD Position)

The position is a part-time position (65 % of a full-time position) and is embedded into the DFG-funded project „DNA as observed from the chromosomes perspective“. Salary and benefits are according to a public service position in Germany (TV-H E 13, 65 %). The position is available at the soonest date possible and the duration is limited to three years, if no former times of qualification must be considered and the limitation is based on the time period deemed adequate for the completion of a doctoral degree. As part of the assigned duties, there will be ample opportunity to conduct the independent scientific research necessary for the completion of a doctorate. The limitation complies to § 2, 1 WissZeitVG.

The Project is dedicated to explore bacterial global gene regulation in the model organism *Escherichia coli*, focusing on the impact of the chromosomal context on the time course of global gene expression. Beside comparative genomics analyses also RNA-seq and DNA-seq data of modified and evolved strains shall be determined and exploited. Optionally, additional experimental data can be acquired by wet lab work. Furthermore, the candidate shall be trained to professionally present results and hypotheses within SYNMIKRO and on international conferences and workshops.

The successful candidate must hold a MSc, Diploma or related certificate in Bioinformatics or a comparable discipline and should be trained in at least one computer language (e.g. Java or Python). Knowledge in analyzing transcriptomics data and experience in statistics using R or MatLab are highly welcome as well as records in the disciplines of microbiology and genetics, however, the latter can be learned concurrently while working within the project group.

For informal project enquiries please contact Dr. Sobetzko [patrick.sobetzko@synmikro.uni-marburg.de](mailto:patrick.sobetzko@synmikro.uni-marburg.de).

We actively support the professional development of junior researchers, e.g. by the offers of Marburg School of Microbiology ([www.gradschool.synmikro.com](http://www.gradschool.synmikro.com)), Marburg Research Academy (MARA), the International Office, the Higher Education Didactics Office and the Human Resources Development Office.

We support women and strongly encourage them to apply. In areas where women are underrepresented, female applicants will be preferred in case of equal qualifications. Applicants with children are welcome - Philipps-University is certified as a family-friendly university. Sharing a full-time position (§ 8 Abs. 2 S. 1 HGlG) as well as a reduction of working time is possible. Applicants with a disability as described in SGB IX (§ 2 Abs. 2, 3) will be preferred in case of equal qualifications. Application and interview costs cannot be refunded.

Please send your application mentioning registration number ZE-0051-synmikro-wmz-2017 and including a letter of motivation, CV, copies of relevant certificates and names and affiliation of two academic referees electronically as a single pdf to [jobs@synmikro.uni-marburg.de](mailto:jobs@synmikro.uni-marburg.de). Deadline: September 1<sup>st</sup>, 2017.