The junior research group of
Dr. Lisa Maier
at the Interfaculty Institute of Microbiology & Infection Medicine Tübingen (IMIT)
offers a PhD position:

“Systematically dissecting drug-microbe interactions in the intestine”

Trillions of microbial cells colonize our intestines. These microbes are crucial for our health, but also highly susceptible to a wide range of commonly used drugs (Maier et al., 2018, Nature, Video). Our research group uses an anaerobic high-throughput screening setup and gnotobiotic animal models to systematically study microbial communities, their resistance towards intruders and how they are affected by medication. The specific PhD project will elucidate fundamental mechanisms underlying the resilience of microbial communities towards invaders and how drugs torpedo these processes. The project is embedded within the Cluster of Excellence “Controlling microbes to fight infections”.

Benefits:
We offer
● the possibility to work on an exciting, multi-disciplinary project using cutting edge technologies
● a lively and interactive working atmosphere and a well-connected network of PhD students and scientists
● comprehensive and structured education of PhD students including qualified mentoring within the Interfaculty Graduate School of Infection Biology and Microbiology (IGIM)
● Payment and social benefits according to public service positions in Germany (TV-L, E13, 65%, 3 year contract with the possibility of extension)

Qualification profile:
We are looking for a highly motivated student with eagerness to learn and to push the boundaries of science. Successful applicants should have an excellent Master’s degree (or equivalent) in biological sciences, biochemistry, (molecular) medicine, biotechnology or any other related field.
Sound knowledge in microbiology, infection biology and molecular biology is mandatory and previous experience in anaerobic bacterial cultivation techniques is of advantage.
Fluency in English is required.

The starting date is as soon as possible.

Please send your application including a cover letter, detailed CV, copies of certificates, short description of previous research projects and at least two letters of recommendation to l.maier@uni-tuebingen.de.