

# Bye Bye Superbugs





# SpheroBiotics

Re-inventing antibiotic discovery from nature



## Who we are

SpheroBiotics is a brand new startup, co-founded by **Irene Wüthrich**, PhD and **Steven Schmitt**, PhD, two researchers from the Department of Biosystems Science and Engineering (D-BSSE) at the **ETH Zürich in Basel** who joined forces to fight against multidrug-resistant pathogens. We devised a technology platform for **microsphere-enabled mining of novel antibiotics**: we cultivate bacteria from nature's microbial communities in **miniaturized** fashion by approximating their **natural environment**; enrich rare strains; and combine these features with **high-throughput** experimentation to analyse their secretome for antimicrobial compounds.



## Who you are

You are an open-minded, friendly, and driven team player who wants to work at an exciting biotech startup! You have knowledge of **molecular biology**, **microbiology techniques**, and **biochemical methods**! Learning and developing new methods and protocols makes you happy! You can put on both the engineer's and the scientist's hat and are **enthusiastic about science and technology**!

## What we offer

We operate at the labs of **Prof. Sven Panke** and can offer you both insights into the busy life of a **young biotech startup**, as well as the **academic world** of the D-BSSE. We have extensive experience in the supervision of students with different backgrounds and offer projects (**6 months+**) for

Masters' Theses  
Research Projects  
Internships

Ready to learn more? Talk to us!

SpheroBiotics  
c/o ETH Zürich | D-BSSE | Basel  
mail@spherobiotics.com  
spherobiotics.com

