In my lab at KAUST, a totally independent multinational university on the Red Sea shore near Jeddah, a Post-Doc position is available to investigate the interaction of beneficial microbes with plants.

In this century, a truly organic revolution is about to happen. Beneficial microbes will be able to replace fertilizers and pesticides and provide healthy food to meet the requirements of an increasing population without the need to invest in highly costly breeding technologies. As part of the DARWIN21 project (http://www.darwin21.net), we have isolated more than 1500 endophyte strains from different deserts of the world. By establishing various stress tolerance screening platforms, we isolated a number of strains that can enhance crop growth and yield under agriculture conditions of extreme salt, heat and drought conditions.

If you want to be part of this revolution and make a career in microbiology, plant biology, or become an entrepreneur in this field, you should join our lab to uncover the chemical linguistics of the interaction of beneficial microbes with plants and:

- Perform a genetic screen to identify beneficial microbial factors and study their mode of action in plants.
- Understand the process of colonization, entry and spreading of the microbes in plants.
- Identify the plant genes and study their role how they regulate the symbiosis of plants with beneficial microbes.

For further information, see https://cda.kaust.edu.sa/Pages/Heribert%20Hirt.aspx

Candidates should have experience in microbiology, molecular biology and bioinformatics. Ideally, post-docs will have a background in plant-microbe interactions.

Candidates should send a full cv and two reference letters to heribert.hirt@kaust.edu.sa