**Postdoctoral Position in Plant-Microbe Interactions**
School of Plant Sciences and Food Security, Tel Aviv University, Tel Aviv, Israel.

Postdoctoral position is available in the laboratory of Prof. Guido Sessa in the School of Plant Sciences and Food Security at Tel Aviv University, Tel Aviv, Israel (https://lifesci-english-cms.tau.ac.il/profile/guidos).

**Project**
Plant pathogenic bacteria utilize a type III secretion system to deliver effector proteins directly into the plant cell. Once inside the cell, effectors subvert plant cellular processes to the benefit of the pathogen and contribute to the development of disease. Main goals of the research project will be the molecular characterization of type III secreted effectors of the bacterium *Xanthomonas euvesicatoria*, the study of their mode of action and the identification of their plant targets. In our investigation we utilize molecular biology techniques, biochemistry and genetic tools. This investigation has a direct impact on agriculture by providing targets and biotechnological strategies for the development of disease control against economically important pathogens.

**Location**
We are physically located on Tel Aviv University campus (https://en-lifesci.tau.ac.il/) and have access to many of its resources in addition to our own. Tel Aviv excellent location and year-round sunny and warm climate offers a pleasant setting for work and home life. We are part of the School of Plant Sciences and Food Security (https://lifesci-english-cms.tau.ac.il/plant_sciences/?tab=0). Our department is one of the largest of its kind in Israel, offering a variety of courses and research opportunities aimed at furthering our understanding of plant biology and its implications in biotechnology and the environment.

**Qualifications**
1. A recent Ph.D. in biology or related disciplines.
2. Experience in plant molecular biology, biochemistry and microbiology.
3. Background in plant-pathogen interactions.
4. Strong communication skills, and fluency in written and spoken English.

**To apply**
Please, send to Prof. Guido Sessa (guidos@post.tau.ac.il) a letter of interest, CV, list of publications, and the names of three references.