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**INTITUTION / FUNCTION:**

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### **Short Professional Biography:**

Current Position: 2020- Senior Lecturer (Assistant Professor), Department of Plant and Environmental Sciences, The Hebrew University of Jerusalem

Current of Previous Postdoc(s): 2014-2020 Post doc, Dangl lab, UNC Chapel Hill and HHMI

### **Studies:**

PhD. in Environmental Sciences at the Hebrew University of Jerusalem (Israel)

### **Research interests**

Plant-microbe interactions, Microbial ecology, Metagenomics

### **Relevant Publications:**

1. **Omri M Finkel\***, Isai Salas- González\*, Gabriel Castrillo\*, Theresa F Law, Jonathan M Conway, Paulo José Pereira Lima Teixeira, Corbin D Jones, Jeffery L Dangl (2020) **A single Bacterial genus maintains root development in a complex microbiome.** *Nature*. DOI: 10.1038/s41586-020-2778-7
2. **Omri M Finkel\***, Isai Salas- González\*, Gabriel Castrillo\*, Stijn Spaepen, Paulo José Pereira Lima Teixeira, Theresa F Law, Corbin D Jones, Jeffery L Dangl (2019) **The effects of soil phosphorous content on microbiota are driven by the plant phosphate starvation response.** *PLoS Biology*. 17(11)
3. **Omri M Finkel\***, Gabriel Castrillo\*, Sur Herrera Paredes, Isai Salas González and Jeffery L Dangl (2017) **Understanding and exploiting plant beneficial microbes.** *Curr Opin Plant Biol* 38:155-163
4. **Omri M. Finkel**, Tom O. Delmont, Anton F. Post and Shimshon Belkin (2016) **Metagenomic Signatures of bacterial adaptation to life in the phyllosphere of a salt-secreting desert tree** *Appl. Environ. Microbiol.* 82:2854-2861
5. **Omri M. Finkel**, Tal Elad, Adrien Y. Burch, Steven E. Lindow, Susan S. Huse, Anton F. Post and Shimshon Belkin. (2012) **Distance-Decay Relationships Partially Determine Diversity Patterns of Phyllosphere Bacteria on Tamarix Trees across the Sonoran Desert.** *Appl. Environ. Microbiol.* 78:6187-6193

6. Nof Atamna-Ismaeel, **Omri M. Finkel**, Fabian Glaser, Itai Sharon, Ron Schneider, Anton F. Post, John L. Spudich, Christian von Mering, Julia A. Vorholt, David Iluz, Oded Béjà & Shimshon Belkin. (2012) **Microbial rhodopsins on leaf surfaces of terrestrial plants** *Environ. Microbiol.* 14:140-146<sup>±</sup>

7. **Omri M. Finkel**, Adrien Y. Burch, Steven E. Lindow, Anton F. Post and Shimshon Belkin. (2011) **Geographical location determines the population structure in phyllosphere microbial communities of a salt-excreting desert tree.** *Appl. Environ. Microbiol.* **77**:7647-7655