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Research Interests

- Microbial resource collection, evaluation, and application
- Plant-bacteria interactions
- Microbiome and phytomicrobiome engineering

Publication

Genomic insights into a plant growth-promoting *Pseudomonas koreensis* strain with cyclic lipopeptide-mediated antifungal activity, *MicrobiologyOpen*, 2020, DOI:10.1002/mbo3.1092

Characterization of a versatile plant growth-promoting rhizobacterium *Pseudomonas mediterranea* strain S58, *Microorganisms*, 2020, DOI:10.3390/microorganisms8030334

Characterization of the ModABC molybdate transport system of *Pseudomonas putida* in nicotine degradation, *Frontiers in Microbiology*, 2018, DOI:10.3389/fmicb.2018.03030

Modular approach to the type III effector repertoire in *Pseudomonas syringae* pv. tomato DC3000 reveals a matrix of effector interplay in pathogenesis, *Cell Reports*, 2018, DOI:10.1016/j.celrep.2018.04.037

Defining essential processes in plant pathogenesis with *Pseudomonas syringae* pv. tomato DC3000 disarmed polymutants and a subset of key type III effectors, *Molecular Plant Pathology*,



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2018, DOI:10.1111/mpp.12655

Supramolecular structure and functional analysis of the type III protein secretion system in *Pseudomonas fluorescens* 2P24, *Frontiers in Plant Science*, 2016, DOI:10.3389/fpls.2015.01190

Consequences of flagellin export through the type III secretion system of *Pseudomonas syringae* reveal a major difference in the innate immune systems of mammals and the model plant *Nicotiana benthamiana*, *Cellular Microbiology*, 2013, DOI:10.1111/cmi.12059

Multiple lessons from the multiple functions of a regulator of type III secretion system assembly in the plant pathogen *Pseudomonas syringae*, *Molecular Microbiology*, 2012, DOI:10.1111/j.1365-2958.2012.08119.x