NAME: Giannis Stringlis

INSTITUTION / FUNCTION:

Utrecht University / Senior post-doc researcher

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Short Professional Biography:

Current Position: Senior post-doctoral researcher Plant-Microbe Interactions Group (Utrecht – The Netherlands) – **Beginning of 2023**; Assistant Professor "Plant-pathogen-microbiome Interactions" at the Agricultural University of Athens (Greece).

Current or Previous Postdoc(s): Post-doc researcher Plant-Microbe Interactions Group (Utrecht – The Netherlands) – (2018-2020).

Studies:

MSc. in Molecular Phytopathology at the Agricultural University of Athens (Greece) - (2010-2012).

PhD. in Plant-Microbe Interactions at the University of Utrecht (The Netherlands) – (2012-2017).

Research interests

His main research interests are:

1. Responses of plant roots to signals from root-associated microbes and downstream effects on plant health.
2. How products of these plant responses (e.g. exudates) can affect microbes in the rhizosphere.
3. How is the plant defense system responding and affecting beneficial and pathogenic microbiota during conditions of (a)biotic stress.

Relevant publications

1. Stringlis, I.A., Yu, K., Feussner, K., De Jonge, R., Van Bentum, S., Van Verk, M.C., Berendsen, R.L., Bakker, P.A.H.M., Feussner, I. and Pieterse, C.M.J. (2018). MYB72-dependent coumarin exudation shapes root microbiome assembly to promote plant health. Proceedings of the National Academy of Sciences USA 115: E5213-E5222.
2. Stassen, M.J.J., Hsu, S.H., Pieterse, C.M.J. and Stringlis, I.A. (2021) Coumarin Communication Along the Microbiome Root Shoot Axis. Trends in Plant Science 60: 1405-1419.
3. Yu, K., Stringlis, I.A., Van Bentum, S., de Jonge, R., Snoek, B.L., Pieterse, C.M.J., Bakker, P.A.H.M., and Berendsen R.L. (2021) Transcriptome signatures in *Pseudomonas simiae* WCS417 shed light on role of root-secreted coumarins in Arabidopsis-mutualist communication, Microorganisms, 9, 575.

4. Stringlis, I.A., Proietti, S., Hickman, R., Van Verk, M.C., Zamioudis, C. and Pieterse, C.M.J. (2018). Root transcriptional dynamics induced by beneficial rhizobacteria and microbial immune elicitors reveal signatures of adaptation to mutualists. The Plant Journal 93: 166-180.
5. Pascale, A., Proietti, S., Pantelides, I.S. and Stringlis, I.A. (2020) Modulation of the root microbiome by plant molecules: The basis for targeted disease suppression and plant growth promotion. Frontiers in Plant Science 10: 1741.
6. Tsolakidou, M.-D., Stringlis, I.A., Fanega-Sleziak, N., Papageorgiou, S., Tsalakou, A. and Pantelides, I.S. (2019) Rhizosphere-enriched microbes as a pool to design synthetic communities for reproducible beneficial outputs, FEMS Microbiology Ecology, 95: fiz138.