

SEM Council Members

Name:

Rafael Rivilla

Council role:

President of the Plant Microbiology Group

Employer or Institute:

Universidad Autónoma de Madrid, Department of Biology, Madrid, Spain.

Title:

Full Professor



Main areas of study/work:

Plant-microbe interaction. Rhizosphere microbiome.

Other information of interest:m

Associated Editor of BMC Microbiology.

Associated Editor of Frontiers in Microbiology.

Three main or most recent publications:

Vázquez-Arias D, Civantos C, Durán-Wendt D, Ruiz A, Rivilla R, Martín M, Bernal P. 2025. The *Pseudomonas putida* type VI secretion systems shape the tomato rhizosphere microbiota. *ISME communications* 5 (1): ycaf158. <https://doi.org/10.1093/ismeco/ycaf158>

Blanco-Romero E, Garrido-Sanz D, Durán D, Rybtke M, Tolker-Nielsen T, Redondo-Nieto M, Rivilla R, Martína M. 2024. Role of extracellular matrix components in biofilm formation and adaptation of *Pseudomonas ogarae* F113 to the rhizosphere environment. *Frontiers in Microbiology* 15:1341728. <https://doi.org/10.3389/fmicb.2024.1341728>

Blanco-Romero E, Garrido-Sanz D, Durán D, Rivilla R, Redondo-Nieto M, Martín M. 2022. Regulation of extracellular matrix components by AmrZ is mediated by c-di-GMP in *Pseudomonas ogarae* F113. *Scientific Reports* 12:11914. <https://doi.org/10.1038/s41598-022-16162-x>

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Keywords:

Plant-bacteria interaction. Plant microbiome. Rhizosphere colonization. Genomics and metagenomics.