

Alain Sarniguet is director of research in INRAE, in IRHS (Research Centre of Pays de la Loire-Angers, France) and joined recently the EmerSys Team (2019).

- I received my Ph.D. from University of Paris XI-Orsay in 1990, after a research project conducted in INRA-Rennes with P. Lucas as supervisor. I was invited researcher at USDA-ARS in J.E. Loper laboratory at Corvallis, Oregon, USA in 1992-93.
- My main interest was in microbial ecology in the rhizosphere with a great emphasis in fungal-bacterial interactions and in plant pathogenic fungus populations. I focused my work and collaborations on molecular mechanisms of Plant Growth Promoting bacteria that interplay with plant pathogenic and mutualistic fungi. These interactions were studied at individual and community scales.
- My ongoing research projects, in collaboration with colleagues and PhD. students, concern the assemblage process of seed microbiota and the consequences on seed germination and on pathogen impact or transmission. Two axes are developed:
 - How the seed microbiota persists in seedlings and interferes with early soil-borne fungal diseases like damping-off (RhizoSeed project) ?
 - What are the relative roles of interference competition through antimicrobial weapons and of exploitative competition that explain the dynamics of seed microbial assemblages; what is consequently the impact on seed germination and on disease spreading or severity (TypeSeed project) ?
- To know more about my work:
 - <https://scholar.google.com/citations?user=80MWYbEAAAAJ&hl=fr&oi=ao>
 - https://www.researchgate.net/profile/Alain_Sarniguet