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@bTaillefer_



BORIS TAILLEFER

PhD in microbiology

Passionated by sciences, my studies focused on the interaction of microorganisms with their environment. My scolarity and internships have specialized me in genetic and microscopy applied to the study of genes regulation in bacteria. I am going to focus on bacteria-bacteria competitions during my post-doc.

2023-current

2019 –2023

2017

2015

2014

Post-doc

PhD

Master IMHE

Bachelor

PACES

IRHS - INRAE Angers

Aix-Marseille Univ.

University of Montpellier

PROFESSIONAL EXPREIENCES

- **2023-current | Post-doc | Laboratory [EmerSys](#), IRHS, INRAE Angers, France**
Role of the type VI secretion system and its effectors in the seed microbiota (see [Garin et al., 2023](#))
- **2019-2023 | PhD | [Cascales lab](#), Laboratory [LISM](#), CNRS Marseille, France**
Experimental evolution and phenotypic heterogeneity of the type VI secretion system in a pathogenic *Escherichia coli*. Identification of the T6SS molecular basis through an experimental evolution and directed mutagenesis. Characterization of the phenotypic heterogeneity phenomenon of the T6SS expression and assembly in a clonal population using microscopy, cytometry and microfluic approaches ([Taillefer et al., 2023b](#)). Optimization and development of methods for the qualitative and quantitative measurment of the T6SS killing in a competition assay ([Taillefer et al., 2023a](#)).
- **2019 FEBRUARY-AUGUST | INT M2 | [Genin group](#), Laboratory [LIPME](#), INRAE Toulouse, France**
Methylomes and DNA methyltransferases comparison in the *Ralstonia solanacearum* diversity. Comparative genomic on methylomes, description of methyltransferase repertoire diversity, molecular biology and pathogenicity test on plants.
- **2018 MARCH-JULY | INT M1 | [Givaudan group](#), Laboratory [DGIMI](#), INRAE Montpellier, France**
Optimization of MSRE-qPCR method for the detection and quantification of the DNA methylation state in the entomotpathogenic bacterium *Photorhabdus luminescens*. Molecular biology.

SKILLS AND QUALITIES

- Bacteriology
- Bioinformatic
- Mol. Bio.
- Microscopy
- English
- Self-government

SCIENTIFIC RELATED ACTIVITIES

- International mobility and poster presentation at **CIVIS Summer school** (Germany, July 2022)
EMBO BacNet22 (Spain, September 2022)
EMBO Adh. Microb. Com. (Corsica, Oct. 2022)
- Day for awarness to the science and research professions for high school students with the [Déclic](#) association (Jan. 2019; April 2021)
- Active member of the scientific group [Diffusionslascience.fr](#) for the communication about the Covid-19 pandemy (April-May 2020)