

PERSONAL INFORMATION**Family name, First name:** Vasseur, François**Researcher unique identifier:** <https://orcid.org/0000-0002-0575-6216>**Date of birth:** 13 August 1986**Nationality:** French**URL for web site:** <https://francois-vasseur.com>**Google Scholar webpage:** <https://scholar.google.fr/citations?user=PCtV37IAAAAJ&hl=en>

My research activities focus on the diversity of plant forms and functions at different scales of organization (organs, individuals, populations, communities). They aim at answering the following questions:

- (i) *What determines the covariation of morphological and physiological traits within species?*
- (ii) *How do functional trade-offs constrain evolutionary adaptation?*
- (iii) *How does the environment influence the relationship between genotype and phenotype?*

My approach has always been resolutely interdisciplinary, drawing on concepts and tools from trait-based ecology, quantitative genetics, ecophysiology, genomics and evolutionary biology. From a methodological point of view, three pillars underpin my scientific interest and reflection:

- (1) **A conceptual approach** - I have a strong interest in theoretical discussions around concepts at the interface of ecology, genetics and evolutionary biology.
- (2) **An experimental approach** - I have always favoured an experimental approach to answer biological questions.
- (3) **A modelling approach** - I used different types of models: ecophysiological, statistical, genetic, and geographical.

EDUCATION

2013 PhD in Plant Ecophysiology. “Plant integrated responses to water deficit and high temperature: from gene to phenotype in *Arabidopsis thaliana*.”

Laboratory of Plant Ecophysiology under Environmental Stress, INRA (Montpellier, France).

Supervisor: Dr. C. Granier.

2009 Master of Sciences and Technologies (speciality: Integrative Plant Biology: Gene, Plant, Agrosystem). Agrocampus-Ouest (Rennes, France).

2009 Master of Agronomy. Agrocampus-Ouest (Rennes, France).

CURRENT POSITION

Since 2017 Post-doctorate. Adaptive responses to resource availability and disturbance: analysis with experimental evolution in a model plant species.

Centre of Functional and Evolutionary Ecology, INRA (Montpellier, France).

PREVIOUS POSITIONS

2016 – 2017 Post-doctorate. Functional diversity and allometric variations in *Arabidopsis thaliana*.

Centre of Functional and Evolutionary Ecology, CNRS (Montpellier, France).

2013 – 2016 Post-doctorate. Genetic diversity of growth strategies in *Arabidopsis thaliana*: study of natural variation and hybrid performance.

Max Planck Institute for Developmental Biology (Tübingen, Germany).

FELLOWSHIPS AND AWARDS

2019 – 2020 ‘European Talents’ Postdoctoral grant funded by INRA (four grants at national level)

Laboratory of Plant Ecophysiology under Environmental Stress, INRA (Montpellier, France)

Centre of Functional and Evolutionary Ecology, CNRS (Montpellier, France)

2017 – 2019 Marie Curie-Skłodowska Agrenskills+ Postdoctoral grant co-funded by INRA and the European Agrenskills+ program (Project ranked 2nd)

- Laboratory of Plant Ecophysiology under Environmental Stress, INRA (Montpellier, France)
 Centre of Functional and Evolutionary Ecology, CNRS (Montpellier, France)
- 2009 – 2012** CIFRE PhD grant co-funded by Bayer CropScience (Gent, Belgium) and the
 Laboratory of Plant Ecophysiology under Environmental Stress, INRA (Montpellier, France)

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

- 2018 – 2019** I co-supervised 3 postdocs.
- 2017 – 2021** I co-supervised 3 PhD students.
- 2012 – 2020** I supervised 5 Master students (2012, 2017, 2019).

ORGANISATION OF SCIENTIFIC MEETINGS

- 2019** Organization of the first AraBreed project meeting (Montpellier, France). Invited researchers: Niek Scheepens and Oliver Bossdorf (University of Tübingen, Germany), Detlef Weigel and Moises Exposito-Alonso (Stanford University, USA), Thomas Lenormand, Eric Garnier, Elena Kazakou and Cyrille Violle (CNRS, France), Denis Vile (INRA, France).
- 2018** Organization of a symposium at the Second Joint Congress on Evolutionary Biology (Montpellier, France). “Rapid evolutionary responses in a changing world”. Co-organized with Moises Exposito-Alonso (Stanford University, USA), Niek Scheepens (University of Tübingen, Germany) and Carol E. Lee (University of Wisconsin, USA). Invited speaker: Dmitri Petrov (Stanford University, USA). Number of participants: 1850.

REVIEWING ACTIVITIES

- 2014 – 2019** Reviewer for several journals, including Ecology Letters, PLOS Biology, PLOS Genetics, PLOS One, The ISME Journal, The Plant Journal, New Phytologist, Heredity, Journal of Experimental Botany, Forest, Agroforestry Systems, Oecologia.
- 2017 – 2019** Member of two PhD committees.

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

- Since 2019** Participant at workshops at the Centre for the Synthesis and Analysis of Biodiversity (CESAB, funded by the French Foundation for Research on Biodiversity (FRB))
- Since 2018** Member of the French Society of Ecology and Evolution (SFE2)
- Since 2018** Member of the ‘Occitan Working Group on Experimental Evolution’

MAJOR COLLABORATIONS

Throughout my career, I have developed a large network of national and international collaborators, including Brian J. Enquist (University of Arizona, USA), Benjamin Blonder (Arizona State University, USA), Cyrille Violle (CNRS, France), Niek Scheepens and Oliver Bossdorf (University of Tübingen, Germany), Moises Exposito-Alonso (Stanford University, USA), Denis Vile (INRA, France), Samuel Wuest (University of Zurich, Switzerland), Mathieu Hanemian and Olivier Loudet (INRA, France), Julie Messier (University of Waterloo, Canada), Julie Fiévet, Dominique De Vienne and Christine Dillmann (INRA, France), Detlef Weigel (MPI Tübingen, Germany), Thomas Lenormand (CNRS, France), Pierre-Olivier Cheptou (CNRS, France), David Pot (CIRAD, France), Ignacio Rubio-Somoza (CRAG, Spain), members of the GrENE-net project (www.grenenet.wordpress.com).