

# Curriculum Vitae

## Frédéric GEVAUDANT

born in February 7, 1973, France  
Married, two children  
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### Work Address

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## EDUCATION and QUALIFICATIONS

### Blaise Pascal University, Clermont-Ferrand, France :

- June 2000*      **Ph. D. in Plant Physiology and genetics** (with honors).
- 1996*            Post Graduate degree "**D.E.A.**" of **Biology, option Genetic and Molecular Physiology** (with honors).
- 1995*            **Master of Science** in Cellular and Molecular Physiology (with honors).  
Certificates : General Genetic and Eukaryotes Molecular Genetic, Plant Genetic, Plant Biochemistry and Physiology.
- 1994*            **Bachelor of Science** in Cellular Biology (with honors).  
Certificates : Biochemistry, Genetic, Immunology, Microbiology.

## RESEARCH ACTIVITIES

- Since 2003*      **Assistant Professor at the University of Bordeaux**
- 2000 - 2003*      **Post-doctoral researcher at the Catholic University of Louvain, Belgium.**  
**Supervisor: Professor M. BOUTRY**  
**Topic:** "Altering expression of the plasma membrane H<sup>+</sup>-ATPase to understand its physiological role"  
**Laboratory :** Unité de Biochimie physiologique,
- 1996 - 2000*      **Ph. D. Thesis Training.** Supervisor: Professor G. Pétel.  
**Topic:** "Study of vegetative peach tree bud dormancy: analyse of plasma membrane H<sup>+</sup>-ATPase gene expression".  
**Laboratory :** P.I.A.F. (Integrated Physiology of Fruit Trees), Blaise Pascal University, Clermont-Ferrand, France.

## UNIVERSITY RESPONSABILITIES

- Since 2009*      **Representative assistant professor at college of biological Sciences Council of Bordeaux University (elected member).**
- 2001 - 2003*      **Evaluation training committee membership,** Catholic University of Louvain
- 1996 - 2000*      **Representative Graduate Students at Plant Physiology and Genetics Department Research Council (elected member),** Blaise Pascal University of Clermont-Ferrand (France).

## FELLOWSHIP

- 2003-2005 **Marie Curie European Reintegration Grants, France**
- 2001 - 2003 **Post-doctoral fellow funded by the Marie Curie individual, Belgium.**
- 2000 - 2001 **Post-doctoral fellow funded by the "Conseil Régional Auvergne", France**
- 1996 - 2000 **Research fellow funded by the French Ministry of Education and Research, France**
- 1995 **Undergraduate fellow funded by the "Rectorat Clermont-Ferrand", France**

## PUBLICATIONS AND COMMUNICATIONS

**Gévaudant, F.** **Le développement du Fruit.** (2017). Chapitre 9 Biologie Végétale / Croissance et développement. DUNOD. French book for undergraduates students.

**Verdu C.F., Gichoux E., Quevauvillers S., De Thier O., Laizet Y., Delcamp A., Gévaudant F., Monty A., Porté A.J., Lejeune P., Lassois L., Mariette S.** (2016). Dealing with paralogy in RADseq data: in silico detection and single nucleotide polymorphism validation in *Robinia pseudoacacia* L. Ecology and evolution. 6 (20): 7323-7333.

**Azzi L., Gévaudant F., Delmas F., Hernould M., Chevalier C.** (2016). Fruit growth in tomato and its modification by molecular breeding techniques. (Chapitre 8) Functional Genomics and Biotechnology in Solanaceae and Cucurbitaceae 113-139. Crops. Springer: Berlin Heidelberg (Biotechnology in Agriculture and Forestry, 70)

**Azzi L., Deluche C., Gévaudant F., Frangne N., Delmas F., Hernould M., Chevalier C.** (2015). Fruit growth-related genes in tomato. Journal of Experimental Botany, 66 (4): 1075-86.

**Chevalier C., Bourdon M., Pirrello J., Cheniclet C., Gévaudant F., Frangne N.** (2014). Endoreduplication and fruit growth in tomato: evidence in favour of the karyoplasmic ratio theory. Journal of Experimental Botany, 65 (10): 2731-2746.

**Nafati M, Cheniclet C, Hernould M, Do PT, Fernie AR, Chevalier C, Gévaudant F.** (2011). The specific overexpression of a cyclin-dependent kinase inhibitor in tomato fruit mesocarp cells uncouples endoreduplication and cell growth Source: The Plant Journal 65 (4): 543-556

**Nafati, M., Frangne, N., Hernould, M., Chevalier, C., Gévaudant, F.** (2010) Functional characterization of the tomato Cyclin-Dependent Kinase inhibitor SIKRP1 domains involved in protein-protein interactions. New Phytol. 188: 136-149.

**Mathieu-Rivet E, Gévaudant E, Sicard A, Salar S, Do PT, Mouras A, Fernie AR, Gibon Y, Rothan C, Chevalier C, Hernould M** (2010) The functional analysis of the Anaphase Promoting Complex activator CCS52A highlights the crucial role of endoreduplication for fruit growth in tomato. The Plant Journal. 62: 727- 741.

**Gévaudant F., Duby G., von Stedingk E., Zhao R., Morsomme P., Boutry M.** (2007). Expression of a constitutively activated plasma membrane H<sup>+</sup>-ATPase alters plant development and increases salt tolerance. Plant Physiol. 144: 1763-1776.

**Gonzalez N., Gévaudant F., Hernould M., Chevalier C., Mouras A.** (2007). The cell cycle-associated protein kinase WEE1 regulates cell size in relation to endoreduplication in developing tomato fruit. The Plant Journal 51 (4): 642-655.

**Gonzalez N., Hernould M., Delmas F., Gévaudant F., Duffe P., Causse M., Mouras A., Chevalier C.** (2004). Molecular characterization of a *WEE1* gene homologue in tomato (*Lycopersicon esculentum* Mill.). *Plant Mol Biol.* 56: 849-861.

- **Arango M.<sup>1</sup>, Gévaudant F.<sup>1</sup>, Oufattole M., Boutry M.** (2003). The plasma membrane proton pump ATPase: the significance of gene subfamilies. *Planta* 216, 355-365.

- **Gévaudant F., Pétel G., Guilliot A.** (2001). Differential expression of four members of H<sup>+</sup>-ATPase gene family during dormancy of vegetative buds of peach tree. *Planta* 212, 619-626.

- **Gévaudant F., Samson I., Guilliot A., Pétel G.** (1999). An improved method for isolating polyphenol-free RNA from woody plant tissues. *Journal of Trace and Microprobe Techniques* 17(4), 445-450.