CURRICULUM VITAE

Name: Philippe Gallusci

Date and place of birth: 23 January 1964, Fianarantsoa, Madagascar

Nationality: France

Family status: Married, 2 children

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Research Interests

The long-term goal of our research is to analyse the relevance of epigenetic control on plant and fruit development with a focus on DNA methylation and Polycomb protein functions. Our main interest is epigenetic control of fruit quality in grape and tomato and we also develop research to analyze the contribution of epigenetic mechanisms to the control of grafting and hence to cell dedifferentiation and differentiation processes. We are also interested in the role and inheritance of epigenetic variation in shaping phentiypic diversity in plants, more particularly in those propagated clonally.

Education

01/2001	HDR in plant Molecular biology and physiology, University of Bordeaux1 (Diploma thesis necessary in France to apply to professorship position)
01/1991	PhD in Plant Molecular Biology, University of Toulouse, France
	"Leghemoglobine genes in *Medicago* Species" under the supervision of Dr David Barker and Pr JP Zalta.
06/1987	MSc in Molecular Biology University of Toulouse, France

Academic Positions

02/2015:	Invited scholar at Tsukuba University, Japan (February 2015)
06/2015:	Invited scholar at Pontifical University of Chili, (June 28- July 2, 2015)
02/2014-07/2014:	Invited scholar at the Boyce Thompson Institute (Cornell University; Ithaca, USA); Pr J Giovannoni Laboratory .
06/2013 -	Full Professor at Bordeaux University
01/2012 - :	Honorary Professor, Hangzhou Normal University (China)
09/1994 -12/2013	Assistant Professor, University Bordeaux1, France
01/1991 - 09/1994	Postdoctoral Researcher, Max Planck Institut für Züchtungforschung, Cologne, Germany

Selected recent Fellowships and Awards

2014:	**Fulbright Grant Of excellence; to support a 6 months long stay** at the Boyce Thompson Institute (Cornell University; Ithaca, USA); Pr J Giovannoni Laboratory.

Title : Molecular analysis of DNA demethylation role during tomato fruit development

Selected recent Professional Activities

2010- 2016: Expert at the French Agency of Higher Education and Research Expert of the French Agency for laboratory evaluation (HCEREs);

2015: **External expert** at the French National University Council (CNU

2012: **Honorary Professor** at Hangzhou Normal University

2012: Head of **International Master program in Plant Biology and Biotechnologies.**

2011: **Master degree Evaluation**: Expert at French Agency of Higher Education and Research

2008- Head of International and Research Master in '**Plant Biology and Biotechnology'**, University Bordeaux, France.

Grant Reviewer: Fondazione Cariparo and Fondazione Cari Modena (Italy) ; INRA- RFBR (France-Russia) ; Leverhulme trust (England) ; Israel Science Fondation (Israel agriculture program).

Journal Reviewer: Plant Molecular Biology, Frontiers in Plant Biology, PLoS One, Scientia Horticulturae, Annals of forest science, Annals of Botany, New Phytologist, Plant science etc..

External examiner of PhD dissertation: University of Tunis, University of Paris XI, University Bordeaux1, University of Ferrara, University of Montpellier

Member of Scientific Advisory Boards

2011- Member of the « Advisory Panel » of the « Plant RNA Signaling » laboratory, Normal Hangzhou University', China.

Research Interests

The long-term goal of our research is to analyse the relevance of epigenetic control in plants with a focus on DNA methylation and Polycomb protein functions in fruit development and in plant stress responses. Our main interest is epigenetic control of fruit quality in grape and tomato and we also develop research to analyze the contribution of epigenetic mechanisms to the control of grafting and hence to cell dedifferentiation and differentiation processes. We are also interested in the role and inheritance of epigenetic variation in shaping phentiypic diversity in plants, more particularly in those propagated clonally.

PUBLICATIONS SINCE 2010

Peer-Reviewed Articles (Original Contributions) and *book chapters (italic)*

1. *Lisa Boureau, A HowKit, E Teyssier, S Drevense, M Rainieri, J Joubès, A Pribat, C Bowler, Y Hong, P Gallusci* (2015) A Curly leaf homologue controls both vegetative and reproductive development of tomato plants (IF 4,257) (PMB, 2016, DOI 10.1007/s11103-016-0436-0))

2. *Rui E Liu , Alexandre How-Kit, Linda Stammitti, Emeline Teyssier, Dominique Rolin, Anne Bertran, Stefanie Halle, Mingchun Liu, Junhua Kong, Chaoqun Wu, Charlie Hodgman Charlotte Degraeve-Guibault, Natalie Chapman, Mickael Maucourt, Jörg Tost, Mondher Bouzayen, Yiguo Hong, Graham B Seymour, James Giovannoni, Philippe Gallusci* A demeter like protein governs tomato fruit ripening; , Proc Nat Ac Sciences, Vol 112 ; 24, pp 10804-10809 ; DOI10.1073/pnas.1503362112

3. *Alexandre How-Kit, Antoine Daunay, Nicolas Mazaleyrat, Florence Busato, Christian Daviaud[2], Emeline Teyssier[3], Jean-François Deleuze[1,2], Philippe Gallusci[3] and Jörg Tost[2] Accurate locus-specific CpG and non-CpG cytosine methylation analysis at base-resolution by high throughput pyrosequencing revealed loss of methylation at *NOR* and *CNR* promoter during tomato fruit development *(*July 2015, Volume 88, Issue 4-5, pp 471-485*)*;

4. H Hédijia, W Djebalia, A Belkadhia, C Cabasson, A Moing, D Rolin, R Brouquisse, P Gallusci, W Chaïbi (2015) Impact of long-term cadmium exposure on mineral content of *Solanum lycopersicum* plants : Consequences on fruit production, South African Journal of Botany Volume 97, (2015), Pages 176–181.

5. *Weiwei Chen*, Junhua Kong*, Cheng Qin, Sheng Yu , Jinjuan Tan, Yun-ru Chen, Chaoqun Wu, Hui Wang, Yan Shi, Chunyang Li, Bin Li, Pengcheng Zhang, Ying Wang, Tongfei Lai, Zhiming Yu, Xian Zhang, Nongnong Shi, Huizhong Wang, Toba Osman, Yule Liu, Kenneth Manning, Stephen Jackson, Dominique Rolin, Silin Zhong, Graham B. Seymour, Philippe Gallusci, Yiguo Hong. (2015). Requirement of CHROMOMETHYLASE3 for somatic inheritance of the spontaneous tomato epimutation Colourless non-ripening. *Scientific Reports,* 03/2015; 5(9192):srep09192. DOI:10.1038)

6. *Weiwei Chen, Junhua Kong, Tongfei Lai, Kenneth Manning, Chaoqun Wu, Ying Wang, Cheng Qin, Bin Li, Zhiming Yu, Xian Zhang, Meiling He, Pengcheng Zhang, Mei Gu, Xin Yang, Atef Mahammed, Chunyang Li, Toba Osman, Nongnong Shi, Huizhong Wang, Stephen Jackson, Yule Liu, Philippe Gallusci & Yiguo Hong; Tuning LeSPL-CNR expression by SlymiR157 affects tomato fruit ripening; Scientific Reports, Sci Rep. 2015 Jan 19;5: 7852. doi: 10.1038/srep07852

7. **Teyssier E, Boureau L, Chen W, Lui R, Degraeve-Guibault C, Stammitti L, Y. Hong, P Gallusci*, Epigenetic regulation of fleshy fruit development and ripening Chapter 8 (Jan, 2015) In Applied Plant Genomics and Biotechnology (ISBN978-0-08-100068-7, eds P. Poltronieri and Y. Hong). Elsevier Ltd.*

8. *D. Rolin, E. Teyssier, Y. Hong, P. Gallusci* Tomato fruit quality improvement facing the functional genomics revolution Chapter 9 (Jan, 2015) In Applied Plant Genomics and Biotechnology (ISBN978-0-08-100068-7, eds P. Poltronieri and Y. Hong). Elsevier Ltd.*

9. *A Pribat, E Teyssier, A Bertrand, D Rolin, **P Gallusci,** * Metabolic engineering of plant isoprenoids (2013, in **Handbook of natural compounds,** Springer, Book Chapter, (Springer), pp 2813-2851).*

10. Stolbur phytoplasma infection affects DNA methylation processes in tomato plants J. N. Ahmad, C. Garcion, E. Teyssier, M. Hernould, **P. Gallusci,** P. Pracros, J.P. Renaudin, S. Eveillard**, Plant Pathology** (2013), 62,205–21

11.*A Virus-induced gene complementation (VIGC) reveals interplay of three transcription factors in tomato fruit ripening, T Zhou, H Zhang, T Lai, C Qin, N Shi, H, Wang, M Jin, S Zhong, Z Fan, Y Liu, Z Wu, S Jackson, J J Giovannoni, D Rolin, **P Gallusci,** and Y Hong**, Scientific Reports** (2012, http://www.nature.com/srep/2012/121112/srep00836/full/srep00836.html,)

12.L Boulila-Zoghlami, **P Gallusci** , F M. Holzer, Gilles , Whabi Djebali , Wided Chaı¨bi , L Walling, R Brouquisse, Up-regulation of leucine aminopeptidase-A in cadmium-treated tomato roots, **Planta** (2011)234:857-63.

13.H Hédiji , W Djebali , C Cabasson , M Maucourt , P Baldet , A Bertrand , L Boulila Zoghlami , C Deborde, A Moing, R Brouquisse , W Chaïbi and P Gallusci*, Effects of long-term cadmium exposure on growth and metabolomic profile of tomato plants. Ecotoxicology and Environmental Safety (2010) 73, 1965-1974.

14.*A. How Kit, L. Boureau, L. Stammitti-Bert, D Rolin, E .Teyssier and **P Gallusci***, Functional analysis of *SlEZ1* a tomato *Enhancer of zeste* (*E(z))* gene demonstrates a role in flower development (2010) **Plant Molecular Biology** 74:201-213; Page de couverture du volume 74.