Valérie Schurdi-Levraud, Ph.D.
Date of Birth: February 27th, 1967
Affiliation:
Fruit Biology and Pathology Lab,
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Academic History:

2013 Autorisation à diriger des Travaux (ADT), Bordeaux University, France
1994 PhD Bordeaux University, France in Biology and Medical Sciences
1990 Master degree at Toulouse University, France, in Plant Biology and Biotechnology
1989 Diploma at Higher Institute in Agronomic Sciences, Bordeaux, France (French "Ecole d'Ingénieur"); Major in Genetics, Plant Breeding and Plant Pathology.

Professional/Scientific Career:

2009-2016 Associate professor. Bordeaux University. France
Main specialities Genetics, population genetics, quantitative genetics, association genetics, plant breeding, genetics of plant/pathogens interactions, UMR 1332, INRA Bordeaux University, France
Responsible of « Plant Breeding and Genetics » Pathway, Master « Biology, Agrosciences" Bordeaux University, France

2007-2009 Associate professor. Bordeaux Sciences Agro, Higher Institute in Agronomic Sciences, Bordeaux, France

2006-2007 Researcher at INRA, UMR 1332, INRA Bordeaux University, France

1997-2006 Assistant professor, Montpellier SupAgro, Agronomics Higher Institute in Agronomic Sciences, Plant Sciences Department
Genetics and Plant Breeding Sciences, UMR 1098 Montpellier SupAgro, INRA, IRD, CIRAD, UMII, Biologie du Développement des Plantes Pérennes Cultivées. France

1995-1996 Post-doctoral position. Molecular Genetics Lab, Consejo Superior de Investigaciones Cientificas (CSIC), P. Puigdomenech, Principal Investigator, Barcelone, Spain.

1991-1995 Teaching Assistant. Bordeaux University. France

Awards/Professional Societies:

1989 Valedictorian, top of one's year, class of 1986-1989 at Higher Institute in Agronomic Sciences, Bordeaux, France

2002 Consulting Professor in Plant Breeding, Bordeaux Sciences Agro, Higher Institute in Agronomic Sciences, France

2015 American-French Fulbright commission fellowship
Four months stay in Joy Bergelson's lab http://bergelson.uchicago.edu/, Ecology and Evolution lab, Chicago University, Illinois, USA.

2014-2018 French Aquitaine Region Funding for Stevia Breeding (V. Schurdi-Levraud, coordinator, and D. Rolin)

Research Area/ Interests:

My main specialties are genetics, population genetics, quantitative genetics, association genetics, plant breeding and genetics of plant/pathogens interactions.
Our lab is involved in deciphering the genetics of plant virus interactions. We are mainly working on the model *Arabidopsis thaliana* and developing a genome wide mapping strategy to detect loci which are involved in plant virus interactions. In the field of global change and sustainable agriculture, our goal is also to find a link between environmental variations and plant virus interactions in the light of metabolism.
Our interests also go to a new species in Europe *Stevia rebaudiana* for which we are developing integrated and advanced breeding strategies with D. Rolin's group and several industry groups.

Selected publication

1- Cosson P, **Schurdi-Levraud V**, Le QH, Sicard O., Caballero M., Roux F., Le Gall O, Candresse T, Revers F 2012. The RTM resistance to potyviruses in *Arabidopsis thaliana*: natural variation of RTM1, RTM2 and RTM3 genes and evidence for the implication of additional genes. 2012. PlOs One, (7), 6.

2- Cosson P., Sofer L., **Schurdi-Levraud V**., Revers F., 2010. A member of a new plant gene family encoding a meprin and TRAF-homology (MATH) domain- containing protein is involved in restriction of long distance movement of plant viruses. Plant Signaling and Behavior, 5:10, 1-3.

3- Cosson P., Sofer L., Le Q.H., Leger V., **Schurdi-Levraud V**., Whitham S.A., yamamoto M.L., Gopalan S., Le Gall O., Candresse T., Carrington J.C., Revers F., 2010. *RTM3,* which controls long distance movement of Potyviruses, is a member of a new plant gene family encoding a meprin and TRAF homology-domain containing protein. Plant Physiol., 154, 222-232.

4- Nicaise V., Gallois JL., Chafiai F. , Allen ML, **Schurdi-Levraud V**., Browning K.S., Candresse T., Caranta C., Le Gall O., German-Retana S., 2007. The success of potyvirus infection requires a specific recruitment of translation initiation factors 4G, FEBS Letters, 581, 1041-1046.

5- Decroocq V., Ion L., Lansac M., Eyquard JP., **Schurdi-Levraud V**., 2006. Unravelling the *Prunus*/Plum pox virus interactions, *EPPO Bulletin*, 36, 346-349.

6-Ion-Nagy L., Lansac M., Eyquard J-P., Salvador B., Garcia J. A., Le Gall O., Hernould M., **Schurdi-Levraud V**., Decroocq V., 2006. *Plum pox virus* is able to move systematically to leaves of apricot resistant scions. *Virus Research,* 120, 70-78 .

7- **Schurdi-Levraud Escalettes V**., Hullot C., Hommage S., Wawrzynczak D., Eyquard J. P., Le Gall O., Decroocq V. 2006. *Plum pox virus* induces differential gene expression in the partially resistant stone fruit tree *Prunus armeniaca* cv. Goldrich. *Gene*, 374, 96-103 .

8- Lalli D.A., Decroocq V., Blenda A., **Schurdi-Levraud V**., Garay L., Le Gall O., Damsteegt V., Reighard G.L., and Abbott A.G., 2005. Identification and Mapping of Resistance gene Analogs (RGAs) in Prunus: A Resistance map for *Prunus* .TAG, 111, 8, 1504-1513.

9- Lansac M., Eyquard J.P., Salvador B., Garcia J. A., Le Gall O., Decroocq V., **Schurdi-Levraud V**. 2005. Application of GFP-tagged Plum pox virus to study

Prunus-PPV interactions at the whole plant and cellular levels. *Journal of Virological Methods*, 129, 125-133.

10- Decroocq, V., Foulogne, M., Lambert, P., Mantin, C., Pascal, T., Le Gall, O., **Schurdi-Levraud, V**. & Kervella, J., 2005. Analogues of virus resistance genes map to QTLs for resistance to sharka disease in *Prunus davidiana*. *Molecular and General Genetics,* 272, 680-689.