

Loïc LEPINIEC

Senior Scientist [Seedev lab](#) and Head [Saclay Plant Sciences](#) (SPS)
Institut Jean-Pierre Bourgin (IJPB),
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www-ijpb.versailles.inra.fr/fr/bs/equipes/dmg-flavo/index.htm



Date of birth: 01.08.1966,
French, Married, two children

Professional Experience

- Since 2010, Head of the “Laboratory of Excellence” and Graduate School of Research “Saclay Plant Sciences” (2018-)
- Since 2010- Professor of Biology at Ecole Polytechnique ([Polytechnique](#))
- 2006-2010: Head of the INRA division of Plant Biology (10 laboratories)
- Since 2002- Director of Research and group leader (SEEDEV lab, IJPB, DRE “above scale” since 2018)
- 1996- 2002: Junior scientist, Seed Biology Laboratory (M. Caboche)
- 1994-1995: Post-doc, Laboratory of Genetics (M. Van Montagu, D. Inze, Ghent)
- 1990-1993: PhD in Plant Molecular Biology (J. Vidal, P. Gadai, Orsay / Saclay)
- 1990 : Scientific duties, Molecular Virology, (V. Deubel, Institut Pasteur, Paris)

Main research activities

- Seed development (embryogenesis, endosperm, maternal tissues; integuments and nucellus)
- Seed metabolism, maturation and quality (Specialized metabolites/flavonoids, fatty acids, oils, storage proteins)
- Gene expression, transcriptional regulation, transcription factors, epigenetics and chromatin, regulatory networks
- Genetics, Molecular and cellular biology, biochemistry, and physiology
- Arabidopsis and Camelina, and collaborations for other species (e.g. corn, wheat, rapeseed, grape, or strawberry)

Publications and awards

- 111 publications in peer reviewed journals, H-index 53 (WOS), 58 (Google scholar, > 16 000 citations)
- Highly cited Researcher 2018 (ISI-WOS, top 1% 2006-2016)
- 4 Patents, (n° 2006-06145, 2001-10365, 2000-05317 et 1999-07362).
- Award “J. Dufreynoy” from the French academy of Agriculture (2015)
- Award “O. Mirbeau” from the French academy of Sciences in Integrative Biology (2008)
- Pairing between French Academy of Sciences and Parliament with M. Caboche and C. Gaudin (2005)
- Award “Young Team INRA” (1999) “Seed development and maturation”

Main scientific coordination and management activities

- Since 2010, Head of the Saclay Plant Sciences” network gathering 700 people (Labex 12.2 M€ and EUR 16.5 M€)
- 2015-2016 Chairman of the MASC (Multinational Arabidopsis Steering committee)
- 2011-2015, CERES (Control of the Expression of the “AFL” REgulatory network and Seed development)
- 2013-2015, Chairman of the 26th International Congress on Arabidopsis Research (ICAR 2015),
- 2012-2014: Co-coordinator with M. Crespi, for establishing the Institute of Plant Sciences of Paris Saclay
- 2006-2010: Head of the INRA division of Plant Biology (10 laboratories)
- 2005-2008 coordinator of the European project “FLAVOnoids in Fruits and Vegetables: their Impact on Food Quality, Nutrition and Human Health” «FLAVO» (FP6-STREP, 18 partners, 8 M€).
- 2000-2004, Coordinator of the genomic program "Identification of genes involved in the control of seed quality in Arabidopsis thaliana, and cloning of homologous genes in oilseed rape" (Genoplante, 7 teams, 6 M€)
- 1999-2005 Coordinator of the genomic program "An FST database and computer resources for Arabidopsis Functional Genomics" (5 teams, 5 M€)

Educational background

- 2001, Habilitation (University Paris XI, Saclay).
- 1993, PhD, Plant Molecular Biology (University Paris XI, Saclay).
- 1989, Ms in Plant Molecular and Cell Biology (University Paris XI, Saclay).
- 1989, Engineer degree in Agronomy (ENSAIA)