


Liste des publications du Laboratoire de Biotechnologie

- ◆ Lamy JB, Bouffier L, Burlett R, Plomion C, Cochart H and Delzon S (2011) Uniform Selection as a Primary Force Reducing Population Genetic Differentiation of Cavitation Resistance across a Species Range. *Plos One* 6:8:e23476.
- ◆ Lepoittevin C, Harvengt L, Plomion C and Garnier-Gere P (2011) Association mapping for growth, straightness and wood chemistry traits in the *Pinus pinaster* Aquitaine breeding population. *Tree Genetics and Genomes*(in press DOI: 10.1007/s11295-011-0426-y)
- ◆ Lepoittevin C, Rousseau J-P, Guillemain A, Gauvrit C, Besson F, Hubert F, Perez DdS, Harvengt L and Plomion C (2011) Genetic parameters of growth, straightness and wood chemistry traits in *Pinus pinaster*. *Ann For Sci* 68:4: 873-884
- ◆ Lepoittevin C, Frigerio JM, Garnier-Gere P, Salin F, Cervera MT, Vornam B, Harvengt L and Plomion C (2010) In Vitro vs In Silico Detected SNPs for the Development of a Genotyping Array: What Can We Learn from a Non-Model Species? *Plos One* 5:6:e11034.
- ◆ Lepoittevin C Harvengt L, Plomion C and Garnier-Gere P (2009) Association genetics in maritime pine (*Pinus pinaster* Ait.) for growth and wood quality traits. These, Université de Bordeaux 1, 156 pages.
- ◆ Bouffier L, Raffin A, Rozenberg P, Meredieu C and Kremer A (2009) What are the consequences of growth selection on wood density in the French maritime pine breeding programme? *Tree Genetics and Genomes* 5:1:11-25.
- ◆ Bouffier L, Raffin A and Kremer A (2009) Managing genetic variability under the maritime pine (*Pinus pinaster* Ait.) selective breeding programme. *Revue Forestiere Francaise* 61:4:369-388.
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- ◆ Meier AGM, Sanchez L, Salda GD, Pastorino MJM, Gautry J-Y, Gallo LA and Rozenberg P (2008) Genetic control of the tree-ring response of Douglas-fir (*Pseudotsuga menziesii* (Mirb.) Franco) to the 2003 drought and heat-wave in France. *Ann For Sci* 65:1:102.
- ◆ Maître M, Kutnik M, Bayon IL and Harvengt L,Jermer J, (2008) Molecular Methods: a Reliable Tool for the identification of Wood Decay Fungi in Construction Timber. 08-20386:1-14.
- ◆ Lefevre F, Collin E, Bentata V, Bilger I, Bouillon P, Bouvet JM, Chantre G, Ducouso A, Fady B, Frascaria-Lacoste N, Girard S, Guy P, Harvengt L, Largier G, Le Boulter H, Mauchamp L, Musch B, Planchenault D, Raffin A, Valadon A, Verger S and Villar M (2008) Préserver et utiliser la diversité des ressources génétiques forestières pour renforcer la capacité d'adaptation des forêts au changement climatique. Plaque de la commission des ressources génétiques forestières, Ministère de l'Agriculture et de la Pêche, Paris, France, 4 pages
- ◆ Bouffier L, Charlot C, Raffin A, Rozenberg P and Kremer A (2008) Can wood density be efficiently selected at early stage in maritime pine (*Pinus pinaster* Ait.)? *Annals of Forest Science* 65:1:
- ◆ Bouffier L, Raffin A and Kremer A (2008) Evolution of genetic variation for selected traits in successive breeding populations of maritime pine. *Heredity* 101:2:156-165.
- ◆ Bouffier L, Rozenberg P, Raffin A and Kremer A (2008) Wood density variability in successive breeding populations of maritime pine. *Canadian Journal of Forest Research* 38:8:2148-2158.
- ◆ Trontin JF, Walter C, Klimaszewska K, Park YS and Lelu-Walter MA (2007) Recent Progress in Genetic Transformation of Four *Pinus* spp. *Transgenic Plant J* 1:314-329.
- ◆ Maître M (2007) Mise au point de méthodes moléculaire de détection précoce de champignons lignivores dans le bois. 40.
- ◆ Klimaszewska K, Trontin JF, Becwar MR, Devillard C, Park YS and Lelu-Walter MA (2007) Recent Progress in Somatic Embryogenesis of Four *Pinus* Spp. *Tree For Sci Biotech* 1:11-25.
- ◆ Da Silva Perez D, Guillemain A, Alazard P, Plomion C, Rozenberg P, Rodrigues JC, Alves A and Chantre G (2007) Improvement of *Pinus pinaster* Ait elite trees selection by combining near infrared spectroscopy and genetic tools. *Holzforchung* 61:6:611-622.



- ◆ Pot D, Rodrigues JC, Rozenberg P, Chantre G, Tibbits J, Cahalan C, Pichavant F and Plomion C (2006) QTLs and candidate genes for wood properties in maritime pine (*Pinus pinaster* Ait.). *Tree Gen Genome* 2:10-24.
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- ◆ Park, Y. S., Lelu-Walter, M. A., Harvengt, L., Trontin, J. F., MacEacheron, I., Klimaszewska, K. and Bonga, J. M. (2006) Initiation of somatic embryogenesis in *Pinus banksiana*, *P. strobus*, *P. pinaster*, and *P. sylvestris* at three laboratories in Canada and France. *Plant Cell Tissue and Organ Culture* (86:1:87-101).
- ◆ Harvengt, L. (2005) Somatic embryogenesis in maritime pine (*Pinus pinaster* Ait.). In S. M. Jain and P. K. Gupta (eds) *Protocol of somatic embryogenesis in woody plants*. Springer Verlag, Berlin, Forestry Sciences, vol 77, pp 107-120.
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- ◆ Markussen T, Fladung M, Achere V, Favre JM, Aragones A, Da Silva Perez D, Harvengt L and Ritter E (2003) Quantitative trait loci controlling growth, chemical and physical wood properties of *Pinus pinaster* (Ait.). *Silvae Genetica* 52:8-15.
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- ◆ Chandelier A, Du Jardin P, Avril C and Pâques M (1999) Identification of mitochondrial plasmid-like DNAs in *Picea abies* (L.) Karst. *Plant Cell Reports* 18:841-847.

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