

France

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Newly funded Arabidopsis research projects (2007)

National Research Agency (ANR), Genoplante programme:

“The plant genomics research theme is expected to provide new knowledge concerning the diversity of genes that are important targets related to a) various productivity challenges and opportunities - (plants for food and feed, plants for agro-fuels), b) environmental concerns and c) improved and safer food ingredients and products.”

http://www.genoplante.com/doc/File/pdf/Projet_GNP_Ed.2007.pdf

- FROG: Stabilizing yield under abiotic constraints: Functional characterisation of orphan genes in *A. thaliana* and application to rice. PI: Mylène DURAND-TARDIF, Versailles.
- REGENEOME: Genomic and epigenomic bases of plant cell totipotency: A laser-assisted microdissection approach. PI: Jean-Denis FAURE, Versailles
- RIL-KIT: Tools to optimize the use of RIL populations, for natural diversity studies and QTL cloning. PI: Christine CAMILLERI, Versailles.
- WALLTALK: Plant cell walls: where microbes meet plants. PI: Deborah GOFFNER, Toulouse.

National Research Agency (ANR), Non-thematic programme ('Blanc'):

“The Blanc programme is a bottom-up, blue-sky call for proposal in all research fields. Its aim is to give significant impetus to ambitious projects, internationally competitive, focusing on pioneer objectives, and in breach of traditional research paths.”

<http://www.agence-nationale-recherche.fr/documents/aap/2007/selection/Blanc-2007.pdf>

- COPATH: Unraveling crossover pathways with *Arabidopsis thaliana* and crop relatives. PI: Christine MEZARD, Versailles.

- DDB1 complex: Role of the DDB1 complex in integrating chromatin remodeling and DNA repair during plant development. PI: Chris BOWLER, Paris.
- DISTRIMET: Molecular mechanisms of metal compartmentation in plant cells. PI : Sébastien THOMINE, Gif.
- EIN3-REG: Regulation of plant ethylene responses by EBF1/2-dependent turnover of EIN3 protein. PI: Thomas POTUSCHAK, Strasbourg.
- LeafFlux: Flux management of water and carbon dioxide in inner leaf tissues. Role of aquaporins and consequences for whole plant hydraulics. PI: Christophe MAUREL, Montpellier.
- MITARD: Mitochondrial DNA recombination and transmission in *Arabidopsis thaliana*. PI: José GUALBERTO, Strasbourg.
- PIANO: Analysis of nitric oxide-based signals in plants challenged by biotic and abiotic stresses. PI: David WENDEHENNE, Dijon.
- Plant-TFcode: Cracking the code of transcriptional regulation: the key to the past and future evolution of plants. PI: François PARCY, Grenoble.
- SphingopolaR: Role Of Sphingolipids In Plant Cell Polarity And Development. PI: Jean-Denis FAURE, Versailles.

Major funding sources for Arabidopsis functional genomics

- Genoplante Programme : <http://www.genoplante.com/?lg=en>
- French National Research Agency (ANR) : <http://www.agence-nationale-recherche.fr:80/Intl>
- ERA-PG : <http://www.erapg.org>