



Sujet de thèse IJPB

Identification of genes involved in the hormonal control of germination

Abscisic acid (ABA) is a key hormone that regulates plant tolerance to environmental stresses and seed development and germination. The PhD project will aim at the identification of new genes involved in the hormonal control of germination. Two main approaches will be developed. The first one will consist of the integration of already available transcriptome data from *Arabidopsis thaliana* seeds, in order to analyze signaling networks involved in dormancy induction by ABA and environmental conditions, then identify new genes regulating seed germination characteristics. The second one will focus on the characterization of a mutant exhibiting alterations in germination hormonal responses, the identification of the mutated gene among candidates identified after mutant genome sequencing, and the analysis of its function in the regulation of seed germination.

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