Roles of Methylation readers and interpreters in Arabidopsis thaliana

Reading mRNA methylation: role of the Arabidopsis ECT proteins in the posttranscriptional control of gene expression in response to heat stress or accross development

ABSTRACT

The Agropolis fondation output mobility grant will be dedicated to the international mobility of the phD student in
charge of the ECT2 project. J. Scutenaire will get the opportunity to spend a month at the school of life science (Univ.
of dundee, Scotland) in the laboratory of Pr. Gordon Simpson. During his stay he will run the cross-linking based in
vivo purification of ECT2 containing protein complexes formed under normal and heat stress conditions in
Arabidopsis. The following LC-MS/MS analyses will be run by the proteomic platform in Dundee before the student
is taught by the host lab how to conduct quantitative analyses of the proteomic data. This grant will permit
the completion in the best possible conditions, of objective 4b of the project.
(Objective (4) decipher ECT2 molecular functions through the identification of ECT2 (b) protein partners under
normal and heat stress conditions)

Keywords : Developing the plant of the future, Plant, Operation, Arabidopsis, Protein/proteomic, Stress, Arabidopsis (species), 1. Exclu de la photothèque

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Project type : AAP
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End date : 2018-05-31
Flagship project : no

Project leader : Cecile Bousquet-Antonelli
Project leader's institution : CNRS
Project leader's RU : LGDP

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Funding : Labex