

<u>TITLE</u>	Molecular bases of circadian and seasonal RbohD priming (Eol - TSP2-08)
<u>RESEARCHER PROFILE</u>	Postdoctoral: First Stage Researcher (R1) or Recognised Researcher (R2)
<u>TYPE OF CONTRACT</u>	Temporary contract of 2 years
<u>IP</u>	Isabel Allona Alberich
<u>GROUP INFORMATION</u>	http://www.cbgp.upm.es/index.php/es/informacion-cientifica/desarrollo-de-plantas/winter-dormancy
<u>OFFER DETAILS</u>	This work will be performed, both, in the model plant Arabidopsis, where its genetic tools will facilitate the adequate characterization of this new cyclic priming, and in poplar, where we could relate this regulation to specific adaptive responses associated to growth-dormancy cycles. We anticipate that our results will uncover new regulatory signals in relation to plant adaptation to the environment. The post will be available from July 2019 for 2 years, in the first instance.
<u>MAIN RESPONSABILITIES</u>	The candidates will carry out the following tasks: monitoring circadian and seasonal changes in gene expression and signals by means of specific biosensors; evaluating the effect of different genomic backgrounds on these gene expressions and signals; and identifying/generating Arabidopsis and poplar lines altered on these signals in order to evaluate its priming effect on plant growth performance and development.
<u>SPECIFIC OFFER REQUIREMENTS</u>	Applications should contain a detailed CV of the candidate. Candidates in the short-list for interview will be additionally requested two recommendation letters.
<u>REQUIRED QUALIFICATIONS</u>	A postdoctoral fellow familiar with different genetic tools (transformation, crossing, genotyping, ...) and experience in recording temporal changes in gene expression and other signals will be positively evaluated.
<u>ELIGIBILITY CRITERIA</u>	Candidates with experience in the field of circadian rhythms will be considered positively.