

We seek candidates for a FPI PhD contract associated to our project “Evolution of biological traits and speciation processes in the model genus *Brachypodium* (Poaceae) through comparative and functional genomic” (CGL2016-79790-P). The PhD thesis will investigate the origins and evolutionary changes of perenniality/annuality switches and the pangenomic diversity and phylogeography of model grass species of *Brachypodium*.

The PhD thesis (2018-2021) will be developed at the High Polytechnic School of Huesca (University of Zaragoza, Spain) with research stays at CSIC (with Bruno Contreras-Moreira @ [EEAD](#) and Pilar Hernández @ [IAS](#)) and international institutes and participation in CSP Joint Genome Institute projects. The PhD thesis will include field and greenhouse work, genomic and transcriptomic data generation and processing, and comparative and functional genomics and phylogenomic analyses of perennial and annual species of *Brachypodium*.

The research team has a large experience in evolutionary genomics (www.bifi.es/bioflora), computational biology (www.eead.csic.es/compbio) and translational genomics (goo.gl/cW8PDN) studies of grasses.

Interested applicants should comply with the requirements to apply for a Spanish PhD contract (open to European Community and other countries citizens, see information at <https://goo.gl/5Bp6YW>). Experience in plant evolutionary biology, genomics and bioinformatics will be highly valued.

Interested applicants please contact Prof. Pilar Catalan (pcatalan@unizar.es) and send Curriculum Vitae and a brief motivation letter before October 6 2017.