

Post-doctoral position - Plant Phylogeography – Aix Marseille Université – to fill in February 2016

We invite applications for a postdoctoral position in the Mediterranean Institute of Biodiversity and Ecology (IMBE, Aix Marseille University, France). The position is for 1 year starting as soon as February 2016, with extension for one additional year based on performance.

The postdoc will conduct his research in the framework of the DYNAMIC project (<http://dynamic.cirad.fr/en>). DYNAMIC is a collaborative project relying on a strong international network around the Mediterranean basin, to gain new insights on the ecological drivers governing carob symbiotic associations. The Postdoc will be in charge of genotyping, managing, and checking quality of data of *ca* 1000 carob plants sampled from several provenances in the Mediterranean. During the first year of the project, cpDNA haplotypes and SSR genotypes will be acquired and analyzed to set the geographical genetic structure and phylogeography of carob. Field campaigns of sampling have started in 2015 and will continue in 2016 and certainly in 2017. The Postdoc will receive technical help for lab work and will work in a team involved in several projects of phylogeography, population genetics or genomic (IMBE - IDEA team).

Using these different sets of markers, the Postdoc will analyze the diversity of this panel and conduct phylogeographical analyses under Bayesian coalescent methods. He will possibly collaborate with microbiologists of the project to relate plant genetic diversity and microbiota diversity under network analyses. During the second year of the project, and according to first results, genome or transcriptome scan approaches will be considered to get more information on adaptive genetic diversity.

We are looking for a candidate with a keen interest for genetic diversity and evolutionary history in geographically structured environments. The candidate must hold a PhD in population genetic, molecular ecology or related field. Good written communication skill and ability to work as part of a team are required. The candidate is expected to be competent in SSR genotyping and populations genetic analysis. We are interested by the new perspectives offered by NGS for SSR genotyping and discovering of additional SNP within SSR loci, therefore experience in bioinformatics will be a plus.

Priority will be given to applicants who have been awarded their PhD degree at most three years before the application deadline.

How to apply: Applicants should submit (1) a cover letter describing their research interests and background, (2) a detailed CV (including list of publications), and (3) the contact details of three references to alex.baumel@imbe.fr. The cover letter should also include possible starting dates.