

Dr Véronique Jorge

UMR BIOFORA, INRAE/ONF
Orléans, France

Online seminar

September 8th, 3pm CET (Paris Time)

LIA FORESTIA 2023

Drivers of diversity structuration in black poplar (*Populus nigra* L.)

Black poplar (*Populus nigra* L.) is among the tree species having the largest natural distribution in Europe, from West Great Britain to West Asia, and from the foot of the Ural Mountains to the North of Africa. Thus, this species is potentially subjected to a wide variation of climatic conditions. Previous studies on variability of traits in this species showed structure and different distribution patterns depending on the trait, demonstrating potential local adaptation. In the last decade, we have developed molecular tools to study the factors shaping the diversity of the species. Today, these tools allow us to detect patterns of selection along the genome, to identify polymorphism involved in adaptative traits, to model demographic history of the species, and to evaluate how gene flow impact structure of populations. These molecular tools and results constitute the toolbox for breeding and conservation programs of black poplar.



Free webinar,
registration required
(the link to join the seminar will be sent
following your registration)

Véronique Jorge is a researcher working in the mixed research unit “Integrated Biology for valorisation of diversity of forests and trees” (BIOFORA) at Orléans, a joint unit between INRAE and ONF (National French Forest Service). Véronique works on genetics of poplars with two main research themes: (i) The study of genetic architecture of complex traits in poplars using QTL and GWAS approaches, with the objective of using these informations in poplar breeding program; (ii) The identification of factors that shape genetic diversity in *Populus nigra*. She has been involved in the developing of several genomic resources.



COLEGIO DE POSTGRADUADOS
INSTITUCIÓN DE ENSEÑANZA E INVESTIGACIÓN EN CIENCIAS AGRÍCOLAS
CAMPECHE · CÓRDOBA · MONTECILLO · PUEBLA · SAN LUIS POTOSÍ · TABASCO · VERACRUZ

SAVE THE DATE
next seminar
6th of October 2023