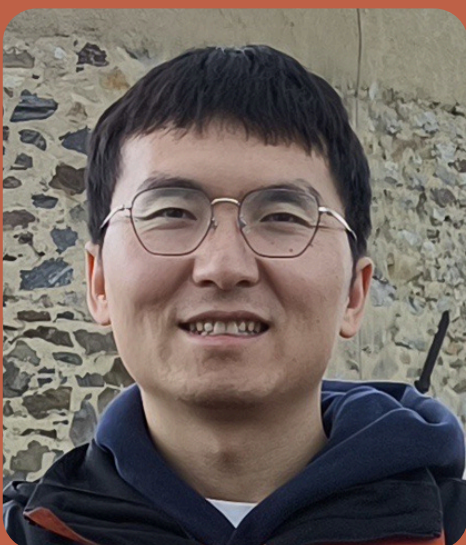




Chunlin Chen

He got his degree in Ecology from Northeast Normal University, in Changchun (China), on July 1 2017. He then pursued the master and PhD at Sichuan University in the same year, and obtained the master and PhD in Ecology in 2020 and 2023, respectively. He joined BIFI in February 2024 as a postdoctoral research fellow in lateral gene transfer (LGT) among various opioid species based on genomic analysis, for which the computational equipment of the institute is necessary for him.



Research profile

During his stay at the Escuela Politécnica Superior de Huesca (EPS) he will focus on the following objectives: 1) assemble the reference genome at the chromosomal level of 10 pooid species, 2) annotate these assembled genomes, 3) perform comparative genomic studies, 4) identify horizontally transferred genes and explore their contribution to species diversification and adaptation.

Importance of his research

Lateral gene transfer (LGT) is the process by which genes are exchanged between species by means other than reproduction. It provides organisms with foreign genetic resources and, sometimes, a new adaptation to a stressed or changing environment. This mechanism is less studied in pooid species. New high-quality genomic assemblages and horizontal gene studies will provide valuable insights into the adaptation and diversification of pooid species.

