



European Research Council



ERC-funded Post-doctoral Position in Plant Genomics and Evolution

Job information

- Organisation: GReD Institute, Clermont-Ferrand, France
- Team: Meiosis, Recombination and Adaptation
- Research profile: Post-doctoral scientist
- Duration: 3 years in the first instance
- Job status: Full-time
- Funding: ERC Starting Grant led by Heïdi Serra
- Starting date: From September to December 2025 (flexible)

Offer description

We are looking for a highly motivated post-doctoral scientist to work on the ERC Starting Grant **MeioPoly**, which seeks to elucidate the mechanisms of **meiotic adaptation to allopolyploidy**. Allopolyploidy resulting from hybridization between related species is ubiquitous in the evolutionary history of plants. When they first arise, allopolyploid organisms face the challenge of chromosome segregation during meiosis due to the presence of sets of related chromosomes inherited from each of the progenitors. Using the allotetraploid *Arabidopsis suecica* as a model, the MeioPoly project aims at deciphering the **evolutionary processes enabling meiotic stabilization of young allopolyploids** with a special emphasis on the molecular mechanisms that prevent recombination between related chromosomes. The successful candidate will develop original genetic, genomic and epigenomic approaches to identify key factors involved in meiotic stability. He/she will ensure conceptual development of the project.

Candidate profile

- PhD degree in molecular biology, genetics and/or genomics
- Skills recommended in plant genetics and high throughput sequencing
- Previous work in the meiosis field will be highly appreciated, but not mandatory

Host Institute

Part of the University Clermont Auvergne, the iGReD (www.igred.fr) is a scientifically vibrant, interdisciplinary research institute, which aims to understand the genetic and epigenetic programs underlying reproduction and development. We are located next to the Chaîne des Puys – Limagne listed as a UNESCO World Heritage.



How to apply?

- Please send your CV including references and a cover letter to Heïdi Serra (heidi.serra@uca.fr)
- Applications will be reviewed until August 2025.