

JOB OFFER

Postdoctoral position: Genetic determinism analysis and genomic prediction in grapevines

INRAE, the French National Research Institute for Agriculture, Food, and the Environment

INRAE is France's national research institute for agriculture, food, and the environment. With more than 12,000 staff across 18 centers, it is recognized internationally for advances in plant sciences, genetics, and sustainable agriculture. The institute develops solutions to support resilient farming systems, high-quality food production, and the sustainable management of ecosystems.

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YOUR MISSION AND ACTIVITIES

■ You will join the *Vine Health and Wine Quality* ([SVQV](#)) research unit at the INRAE Grand Est-Colmar center, within the Grapevine Genetics and Breeding team. The team coordinates the Horizon Europe project [GrapeBreed4IPM](#), which aims to accelerate the development and deployment of disease-resistant grapevine varieties adapted to climate change.

Your work will contribute directly to the project's goal of improving the understanding of agronomic trait architecture and strengthening genomic selection strategies for future breeding programs.

■ You will be responsible for:

- Organizing and co-coordinating upcoming data acquisition campaigns on ongoing field experiments.
- Conducting quantitative genetic analyses to dissect the genetic determinism of key agronomic traits, both advantageous and undesirable.
- Developing, optimizing, and evaluating genomic prediction models to enhance selection schemes integrating genomic selection.
- Contributing to scientific publications, data valorization, and project reporting at national and European levels.

THE PROFILE WE ARE LOOKING FOR

■ **Required education:** PhD in quantitative genetics, evolutionary biology, genomics or a related field with strong background in statistical modeling and data analysis

■ **Technical knowledge:** solid understanding of plant genetics; knowledge of viticulture or grapevine biology is a significant advantage.

■ **Appreciated experience:** QTL and GWAS analyses, genomic or multi-omic prediction, field trial management and phenotyping under natural conditions.

■ **Skills and abilities:** ability to work collaboratively within multidisciplinary teams, scientific rigor, autonomy, and adaptability. Strong writing skills and ability to communicate results clearly.

➤ Working conditions

- Location: UMR 1131 Vine Health and Wine Quality, Grand Est-Colmar Center
- Contract: Fixed-term position (Postdoctoral contract)
- Duration: 24 months
- Starting date: February 1, 2026
- Monthly salary: between €3,135 and €3,726 depending on experience

➤ Application

Submit a cover letter and CV.

■ By email: komlan.avia@inrae.fr

✖ Application deadline: December 15, 2025