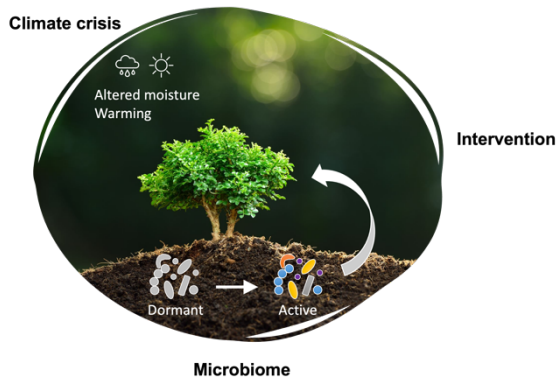


**Announcement of Open Position: Postdoctoral Scholar in Plant Microbiome Resilience,**

Universite Claude Bernard Lyon 1, France

The laboratory of Microbial Ecology (Laboratoire Ecologie Microbienne, LEM, <https://www.ecologiemicrobiennelyon.fr/>) at the Universite Claude Bernard Lyon 1 in France accelerates leading research in environmental microbial ecology and evolution. One Ph.D.-level position for a **Postdoctoral Scholar** is available with a new **European Research Council Consolidator Award**: MicroRescue: Resolving mechanisms of microbiome rescue to promote resilience to climate change. The position is under the supervision of Dr. Ashley Shade (<https://ashley17061.wixsite.com/shadelab>).



We seek a motivated researcher to advance below-ground plant microbiome research to determine microbiome-supported host resilience. The project will investigate plant-microbiome responses to climate change, focusing on understanding how the activated microbiome can be leveraged to maintain plant- and soil microbiome functions during stress. Applicants should hold a Ph.D. in either ecology/evolution, microbial sciences, plant and soil sciences or a related field.

The successful candidate will have a working knowledge of plant-microbiome ecology or evolution, and experience with bioinformatic and statistical analyses of microbiome sequence data. The successful applicant will be able to write and execute code in R, use GitHub or similar for version control, and use high-performance computing clusters. The successful candidate will also have research experience in microbiology and plant experiments, including technical skills in molecular biology, microbiological cultivation, environmental bacteriology, plant husbandry. They will have strong oral and written communication skills in English. In addition, they will be able to work independently and flexibly, as well as to operate harmoniously as part of a team. Additional experiences that will be considered favorably include direct experience in host-microbiome engineering, plant growth chamber experimental designs, research experience with legumes (particularly *Phaseolus* species) and awareness of standards in open science for microbiome research, including reproducible analyses, metadata curation, and public data deposition.

The successful candidate will enjoy a vibrant research group, access to excellent research facilities and platforms at the University of Claude Bernard Lyon 1 "La Doua" campus, and a project team that is committed to high scientific integrity, open and reproducible science, and promoting inclusivity. The hosting laboratory, Laboratoire Ecologie Microbienne, boasts over 70 permanent microbial ecologists collaborating among eight teams with five technical platforms supporting precise analyses of microbial activities, natural products, and genomes. Lyon, France, is a historic city that has green policies, culinary excellence, and unique cultural experiences. Lyon welcomes a large international community because Lyon is home to universities, multinational companies, and Interpol.

The position lasts up to three years and is renewed annually, contingent on satisfactory performance evaluations. We expect a flexible start date around June 2024. Applicants should submit, in English, 1) a current curriculum vitae; 2) a cover letter describing their interests and how their skills and experiences align with the position's needs; 3) contact information for three professional references. Applications will only be accepted via the CNRS Job Portal (<https://emploi.cnrs.fr/Offres/CDD/UMR5557-BEABIG-023/Default.aspx?lang=EN>) .