Université Claude Bernard Lyon 1

Campagne d'emplois 2025

Enseignants-Chercheurs

⇨ **rang n°** :

☐ Création ☒ Maintien Si maintien, n° emploi national :

Corps : Chaire : Recrutement BOE : Section CNU n° 1 : Section CNU n° 2 : **Profil synthétique**:	☐ Maitre de conférences - ☒ Professeur des universités ☐ oui - ☒ non ☐ oui - ☐ non 67 **Molecular ecology of plant-microbiome-soil interactions**
Composante, service ou département :	**UFR Biosciences**
Unité de recherche :	**Laboratoire d'Ecologie Microbienne – UMR CNRS 5557, INRAE 1418**

TEACHING (5 à 10 lignes):

The person recruited will be attached to the "Microbial Ecology" teaching team at the Biosciences UFR. He or she will be involved in teaching general microbiology at undergraduate level, as well as in the Microbiology Master's programme. In particular, this person will contribute to the development of teaching by integrating the modern challenges of sustainable agriculture and environmental health. He/she will develop innovative teaching tools to address microbiota-plant-soil interactions in order to improve agricultural productivity while preserving ecosystems, with an emphasis on understanding the underlying mechanisms, multi-omics approaches and associated ecological concepts. He/she will be involved in the international expansion of the M2 PMIP (Plant-Microbe Interactions for Plant Health) course, at the interface between the Microbiology and Plant Biology Masters, by setting up an ERASMUS MUNDUS programme in conjunction with the Arqus Alliance partners. It may also be asked to take part in setting up a targeted training course on Nature-based Solutions, in conjunction with the ANTHARES Living Lab of the SoluBiod PEPR.

Teaching contact (Surname, First Name, Quality, eMail, phone):
WISNIEWSKI-DYÉ Florence, Professor, florence.wisniewski@univ-lyon1.fr Tel : 04 72 44 58 89
CZARNES Sonia, Associated Professor, Sonia.czarnes@univ-lyon1.fr Tel 04 72 43 13 80

RESEARCH (5 to 10 lines):

The person recruited will develop expertise in issues relating to plant-microbiome-soil interactions for agricultural sustainability and ecosystem health, including in an urban/peri-urban context. He/she will develop innovative research projects exploring the complex dynamics of microbial communities or the impact of interactions between these communities on plant health, soil management and health, or the resilience of ecosystems in the face of global change. This research will use "multi-omics" approaches, as well as integrative approaches to obtain an overview of interactions within microbiomes, their hosts and their responses to environmental factors. As well as developing innovative scientific concepts, these approaches could lead to the development of applications in various fields such as biocontrol, phytostimulation and improving soil quality by integrating for example Nature-based Solutions.

Research contact (Surname, First Name, Quality, eMail, phone):
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