

Dr Fanette Fontaine obtained her PhD in Microbiology in 2006 (University of Pierre and Marie Curie -Paris, France). She studied phenotypic variability in *Escherichia coli* and the impact on bacterial survival. During her post-doctoral period in the National Institute of Child Health and Human Development at National Institute of Health (Bethesda, US), she studied the role of new small proteins/toxins (less than 50aa) on bacterial physiology. She was appointed Assistant Professor in 2011 at the University Paris Cité (Paris, France). Since 2019, she is working as AMR and Microbiome specialist for the Food and Agriculture Organization (FAO) of the United Nations (Rome, Italy). She worked on the impact of the agrifood systems on the interconnections between microbiomes and various ecosystems as well as identifying microbiome-based innovations that could improve environmental, plant, animal and human health. Since 2023, she is part of AMR team in the joint center FAO-WHO and involved in the project “Food Loss and Waste and AMR”.