Prof. **Ermanno Federici**, born in Perugia (Italy) October 6th 1972, graduated in Biological Sciences in 1998, *summa cum laude* at the University of Tuscia, Viterbo (Italy) and obtained in 2004 his Ph.D. at the University of Lausanne (Switzerland).
From June 1998 to October 1998 he had a research contract at the *Istituto di Industrie Agrarie*, University of Perugia; From November 1998 to April 1999 he obtained an EU *Leonardo da Vinci* scholarship spent at the *Centre de Recherche Nestlé*, Tours (France) and the Nestlé Research Centre, Lausanne (Switzerland); From July 1999 to November 2002 he obtained a research contract at the Nestlé Research Centre, Lausanne (Switzerland) to perform the experimental work for his Ph.D. thesis; He was a Post-Doctoral scientist at the EPFL (Swiss Federal Institute of Technology) in Lausanne (Switzerland) from April 2003 to March 2004, at the Institute of Musculoskeletal Sciences, University of Oxford (UK) from May 2004 to January 2005 and at the University of Perugia (Italy), Department of Experimental Medicine and Biochemical Sciences, section of Microbiology, from January 2005 to May 2008.
Since June 2008 he is a Professor of Microbiology at the University of Perugia, where now he is Associate Professor at the Department of Chemistry, Biology and Biotechnology. He is chair of the courses in Microbiology and in Applied Microbiology and faculty member of the PhD school in "Biological and Natural Sciences" and of the Specialization school in Microbiology.
During his Ph.D. and his first Post-Docs, Prof. Federici has studied bone biology and in particular the effects of drugs and micronutrients on bone cell metabolism. Since 2005 his main interests are Microbial Ecology and Environmental Microbiology and in particular the investigation of environmental microbial communities in natural and anthropized systems and their role in ecological, biotechnological and pathological processes by the integration of culture and molecular approaches. Prof. Federici's past lines of research have regarded the bioremediation of polluted soils, the treatment and valorization of agri-food waste, skin diseases in amphibians, the functions of probiotics, and the study of microorganisms in indoor and natural atmospheric particulate matter. Currently, Prof. Federici research focuses on water and wastewater, including freshwater environments, Legionella contaminations, drinking water quality, evaluation of emerging and re-emerging pathogens and antimicrobial resistance. Prof. Federici has collaborated and continues to collaborate with companies and institutions on research and development projects in the field of applied microbiology and is involved at the regional and national level in the Italian National Plan to Combat Antibiotic Resistance (PNCAR).
Prof. Federici is member of the "Italian Society of General Microbiology and Microbial Biotechnologies" (SIMGBM) and member of the editorial board of the scientific journals “Microorganisms” and “Frontiers in Public Health”.
Prof. Federici is the author of more than 40 scientific publications in international journals, as well as book chapters and contributions to national and international conferences, which have received more than 1,200 citations with an H index of 23, and three international patents.