

Since July 2023, Ed Topp has held the ANR/INSERM Senior Research Chair, Priority Research Program: Antibiotic Resistance, and Director of Research at the UMR Agroecology at the INRAE research center in Dijon. Before his arrival in France, he was a Principal research scientist with Agriculture and Agri-Food Canada (AAFC). He holds an adjunct faculty position in the Department of Biology at the University of Western Ontario. Ed is an environmental microbiologist and chemist, conducting research on animal and plant production practices that are protective of food safety, environmental and human health. A particular focus is on understanding and managing the development of antimicrobial resistance in food production systems. Ed was a member of the European Joint Programming Initiative on AMR (JPIAMR) Science Advisory Board (2019-2021). He co-authored the 2023 United Nations Environmental Programme report “Bracing for Superbugs: Strengthening environmental action in the One Health response to antimicrobial resistance” that has been foundational for the UN Quadripartite’s global action on AMR through a One Health lens. He has published over 325 peer-reviewed publications and has an H-index of 92 (Google scholar accessed 1.2026). He was the scientific coordinator (2016-23) of the Federal genomics research and development initiative on antimicrobial resistance (GRDI-AMR), a key element of the Canadian federal action plan on antimicrobial resistance. Ed is a past president of the Canadian Society of Microbiologists (2011) and received the Ontario Water and Environment Association Research Excellence Award (2014), the Agriculture and Agri-Food Canada Gold Harvest Award for Career Achievement (2015), the Government of Canada Public Service Excellence Award for Scientific Contribution (2016), was elected Corresponding Member of the French Academy of Agriculture (2016), and was named a Fellow of the Soil Science Society of America in 2022.