

Postdoctoral Research Associate Position: Ecology of antimicrobial resistance in food production systems

A postdoctoral position is available with Dr. Ed Topp, at the London Research & Development Centre, Agriculture & Agri-Food Canada (AAFC), and the Department of Biology, University of Western Ontario, London Ontario.

The research concerns the dynamics and ecology of antimicrobial resistance genes and associated genetic elements in animal and human wastes commonly used as fertilizers in crop production systems. The work will build on field and laboratory experiments that have now been ongoing for several years. Project funding is provided by the Canadian Institute for Health Research through the Joint Programming Initiative on Antimicrobial Resistance (JPIAMR <https://www.jpiaamr.eu/>). The project team includes colleagues from the University of Guelph, as well as colleagues from Ireland, the Netherlands, Germany, Israel, Romania and Switzerland. The successful candidate will thus have the opportunity for stimulating interactions with Canadian and international colleagues working on complementary research concerning the management of AMR development and transmission in food production systems.

The successful candidate should have a Ph.D. in microbiology or similar field with strong skills in microbial ecology and/or molecular biology. Ideally, candidates will also have the following attributes: A strong publication record from their graduate studies (papers published, in press, or submitted), creativity, independence, and the desire to learn and excellent communication skills.

The position is renewable annually for up to three years, contingent upon job performance. A start date in the spring or summer of 2018 would be ideal.

Interested individuals should send a CV, a cover letter stating how previous experience would benefit the project, career interests and ambition, and names of three potential referees in PDF format to ed.topp@agr.gc.ca. For recent publications from our research team please see https://www.researchgate.net/profile/Edward_Topp.