One PhD graduate student position (Molecular biology, pathogenomics, diagnostic tools) is immediately available with Dr. L Mutharia and with the Fish Health Laboratory (MCB) to develop Rapid detection approaches to production-limiting flavobacterial diseases in Ontario fish aquaculture. This graduate research project will use molecular biology and genetic approaches to characterize flavobacterial isolates from Ontario fish, identify sequences that can be used for rapid differentiation and identifying species and subspecies and assess reservoirs of these important pathogens in aquatic environments. The research has both practical (improving the detection of these pathogens), and fundamental (genetic characterization of isolates) aspects and applications. The graduate student will work with Dr. Lucy Mutharia and in close association with the monitoring program of the Fish Health Laboratory and Dr. Roz Stevenson. The position is immediately available and will be remain open until a suitable candidate is found.

**How to apply:** Please send a recent CV and copy of your recent BSc and / or MSc academic transcripts; a cover letter describing your qualifications, research interests and goals; names and contact information for 3 references to Dr. Mutharia, lmuthari@uoguelph.ca.