



**Donnelly Centre**  
for Cellular + Biomolecular Research  
UNIVERSITY OF TORONTO



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## Donnelly Seminar Series

“On the frontlines with *Legionella* - maintaining pathogenicity through CRISPR-Cas and a highly regulated arsenal of effectors”



**Alexander W. (Alex) Ensminger, PhD**

*Assistant Professor*

Department of Molecular Genetics

University of Toronto

*Adjunct Scientist*

Public Health Ontario Laboratories

Thursday, November 5, 2015 | 11:00 am  
James Friesen | Cecil Yip Red Seminar Room

**Host: Frederick P. (Fritz) Roth**