

**Graduate student (Ph.D.) positions  
in Protein Biochemistry and Structural Biology  
at the Université de Montréal**

In the context of our Canadian Institutes of Health Research-funded projects on the mechanism of bacterial type IV secretion systems, positions for Ph.D. students are available in the laboratory of Dr. Christian Baron in the Biochemistry Department. Principal goal of our work is to understand the protein-protein interactions that mediate the assembly and function of type IV secretion systems in the cell envelope of bacterial pathogens. Based on this knowledge, we seek to develop small-molecule inhibitors that could be developed as anti-virulence drugs to fight bacterial infectious diseases. The principal model organisms of interest for our work are the plant pathogen *Agrobacterium tumefaciens* and the human pathogens *Brucella suis* and *Helicobacter pylori*. Our group uses a wide variety of methods from molecular biology to protein biochemistry and small molecule screening, and we seek to develop structural biology as an additional expertise in future. Candidates interested in these positions should have a background in protein biochemistry and/or structural biology. Interested candidates should contact Christian Baron by email:

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[http://www.biochimie.umontreal.ca/bottin411/Enseignants/baron\\_c.html](http://www.biochimie.umontreal.ca/bottin411/Enseignants/baron_c.html)

**References:**

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