**Mathieu Lavallée-Adam** is an Assistant Professor at the University of Ottawa in the Department of Biochemistry, Microbiology and Immunology and is affiliated to the Ottawa Institute of Systems Biology. He obtained a B.Sc. in Computer Science and a Ph.D. in Computer Science, Bioinformatics option, from McGill University under the supervision of Dr. Mathieu Blanchette and Dr. Benoit Coulombe. He then performed his postdoctoral research in Dr. John R. Yates III's laboratory in the Department of Chemical Physiology at The Scripps Research Institute. His research focuses on the development of statistical and machine learning algorithms for the analysis of mass spectrometry-based proteomics data and protein-protein interaction networks. He also designs computational methods mining proteomics datasets for biological information through their integration with genomics data. Dr. Lavallée-Adam is a recipient of the John Charles Polanyi Prize in Chemistry, awarded by the Government of Ontario, and of the Canadian Vanier scholarship recognizing his research and involvement in the community. One of his publications was recognized as Highlight of the Year by an early career researcher at the Human Proteome Organization (HUPO) 2018 World Congress. Dr. Lavallée-Adam is committed to promoting science among the youth and has co-organized summer camps and presentations for high-school students on the applications of computer science in biomedical sciences. He is also a member of the HUPO Early Career Researcher Initiative, in which he organizes training activities for early career researchers in proteomics and events highlighting their research on the international stage.

## Website:

https://med.uottawa.ca/bmi/people/lavallee-adam-mathieu

## Selected Publications/Journal Articles


[1] **Lavallée-Adam, M.**, Cloutier, P., Coulombe, B., Blanchette, M. (2017) Functional 5' UTR motif discovery with LESMoN: Local enrichment of sequence motifs in biological networks. *Nucleic Acids Research*. 45(18): 10415-10427. **HUPO Proteomics Highlight of the Year by an Early Career Researcher**

[2] Pankow, S., Bamberger, C., Calzolari, D., Martínez-Bartolomé, S., **Lavallée-Adam, M.**, Balch, W. E., Yates III, J. R. (2015) DeltaF508 CFTR interactome remodeling promotes rescue of cystic fibrosis. *Nature*. 528(7583): 510-516.

[3] **Lavallée-Adam, M.**, Rauniyar, N., McClatchy, D. B., Yates III, J. R. (2014) PSEA-Quant: A protein set enrichment analysis on label-free and label-based protein quantification data. *Journal of Proteome Research*. 13(12): 5496-5509.

[4] **Lavallée-Adam, M.**, Cloutier, P., Coulombe, B., Blanchette, M. (2011) Modeling contaminants in AP-MS/MS experiments. *Journal of Proteome Research*. 10(2): 886-895.

**Refereed Conference Article**

[5] **Lavallée-Adam, M.**, Coulombe, B., Blanchette, M. (2009) Detection of locally over-represented GO terms in protein-protein interaction networks. *Proceedings of Research in Computational Molecular Biology (RECOMB 2009).* 5541: 302–320.