

SEMINAR

Department of Computer Science

Date: Monday, October 3, 2016

Time: 2:00 pm

Location: WC36

Title: Data-driven Healthcare

Abstract

The Working Group on Predictive Health of Canada's Big Data Consortium brings together leaders in Big Data associated with healthcare from hospitals, insurance, technology providers, universities, safety boards, and business. It considers the impact of Big Data on healthcare and how best to utilize those opportunities for data-driven healthcare in the context of Canada.

Dr Greg Butler, a member of the Working Group, will discuss their work.

Speaker: Greg Butler, Professor of Computer Science and Software Engineering at Concordia University, Montreal, Canada.

Short Bio

Gregory Butler is Professor of Computer Science and Software Engineering at Concordia University, Montreal, Canada. His research focuses on the transformation of data to knowledge, particularly for knowledge-based bioinformatics. He is currently working on distributed computation with large-scale graphs for the reconstruction of networks for metabolism and regulation of microbial communities, and how to construct, mine, and manage the graph of knowledge provided by a provenance network with links into the scientific literature.

Dr. Butler represents Concordia on Canada's Big Data Consortium. He is Director of the Data Science Research Centre at Concordia and served in 2015 on the committee of experts for Montreal International's profile of the Big Data Industry in Montreal and Quebec. Dr. Butler is a founding member of the Canadian Semantic Web Interest Group.

Dr. Butler is a co-founder of the Centre for Structural and Functional Genomics at Concordia where he directs the development of the bioinformatics platform for large-scale fungal genomics projects. This covers scientific data management, data

integration, and data provenance; algorithms, data analysis, data mining and text mining; ontologies and the semantic web.