

Genome Sciences Seminar

W UNIVERSITY of WASHINGTON



Dr. Fiona Brinkman

Professor of Bioinformatics and Genomics
Simon Fraser University



Fiona Brinkman

is a Professor in Bioinformatics and Genomics the Department of Molecular Biology and Biochemistry at Simon Fraser University, with cross appointments in Computing Science and the Faculty of Health Sciences. She is most known for research and development of widely used computer software that aids both microbe (PSORTb, IslandViewer), and human genomics (InnateDB) analyses. She is currently co-leading a national effort (IRIDA.ca) to use microbial genomes as a fingerprint to better track, and understand, the spread of infectious diseases. This work includes formation of a new GenEpiO Consortium for coordinating genomic epidemiology ontologies (involving >70 researchers from 13 countries to date). She is also leading development an approach to integrate very diverse data for the CanadianCHILDstudy.ca birth cohort, including microbiome, genomic, epigenetic, chemical exposure, environmental indices, socioeconomic/demographic, psycho/social/stress, medications, and nutrition data. She coordinates community-based genome annotation and database development for Pseudomonas.com.

“Overcoming data integration and visualization challenges in genomics - applications and insights re infectious disease evolution”

Wednesday, November 9, 2016

3:30

Foege Auditorium, S-060

Refreshments served outside the Auditorium at 3:20pm

Questions? Contact Brian Giebel at bgiebel@uw.edu or visit the Seminar website at <http://www.gs.washington.edu/news/seminars.htm>

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