

# INVITED SPEAKER



**Geoffrey Berguet, M.Sc.**, Bio-engineer  
Business Development Manager, Diagenode

Geoffrey has been working for more than eight years at Diagenode. He started as a field application specialist for Diagenode's automated instrument (IP-Star®) for ChIP-seq. Later he became a product manager for automation and started the Epigenomics Service platform. Recently, Geoffrey moved to Diagenode's US office to help developing the strategy for industry and key accounts with a focus on epigenomic services for oncology, immunology and neuroscience.

## AGENDA

**Location:** OICR, 5 floor, 5-20/21

**Date:** October 15, 2019 | 1 – 2 p.m.

**Organizer:** Dr. Vanya Peltekova, Lead, BioLab Operations, OICR

**1 – 2 p.m.**

### **Targeting Epigenetic Mechanisms: Challenges and Solutions**

*Geoffrey Berguet, MSc, Diagenode*

Epigenetic reprogramming in cancer occurs at multiple cellular levels including nuclear organization and nucleosome positioning, DNA methylation, modification of histones, alteration of epigenetic regulators such as transcription factor binding, and non-coding RNA, such as microRNA.

Accurate use of versatile instrumentation and tools is essential for studying epigenetics.

The seminar will introduce **Diagenode's** epigenomics profiling platform, from sample preparation and innovative nucleic acids shearing instrumentation to chromatin Immunoprecipitation-, DNA methylation-, RNA-seq assays and analysis.