



**Science Outreach –Athabasca  
presents...**

**The Role of the Human  
Microbiome in Health  
and Disease**

**Speaker: Shauna Reckseidler-Zenteno, PhD. Associate Professor, Biology, Faculty of Science and Technology & Associate Dean of Graduate Studies at Athabasca University**

**Date: Wednesday, September 26, 2018**

**Time: 7:00 PM to 8:30 PM**

**Place: Athabasca University Governing Council Chambers**



Trillions of microorganisms live on and in the human body and play a critical role in many processes such as digestion, synthesis of vitamin K, and protection against diseases. This group of microbes is known as the human microbiota and their genomes are collectively referred to as the human microbiome. Research is now revealing that disruption of the human microbiota by a number of environmental factors has been linked to a variety of medical disorders including: obesity, inflammatory bowel disease (IBD), diabetes mellitus, metabolic syndrome, atherosclerosis, alcoholic liver disease (ALD), nonalcoholic fatty liver disease (NAFLD), cirrhosis, hepatocellular carcinoma, and anxiety. This talk will describe the human microbiota and its role in health, the environmental factors that can disturb it, and the medical conditions that result. This talk will also highlight the exciting research into the human microbiota and what sequencing of the human microbiome has revealed.

**Free event! Refreshments provided! Door prizes!**

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