Winter 2018 Science Café
Topics in Biomedical Research

February 6  Ending AIDS: Why we need an HIV Vaccine
Nancy Haigwood, PhD
After more than 30 years of research, HIV infection can be controlled with
drug treatment, but it cannot be cured. The best way to control or eliminate
HIV and prevent AIDS will be with a vaccine to prevent infection. Learn about
why it has taken so long to make a vaccine and what looks promising from Dr.
Haigwood, who has worked on this problem since the discovery of HIV.

February 13  Will it work in people? Testing a new HIV vaccine at OHSU
Marcel Curlin, MD
The AIDS epidemic has claimed approximately 35 million lives; the same
number are now living with HIV. Work at OHSU’s Vaccine & Gene Therapy
Institute is now offering exciting new prospects for an HIV vaccine. Join Dr.
Marcel Curlin to learn about plans for HIV vaccine studies in humans set to
commence in 2019.

February 20  Hepatitis B virus infection: Enemy of the liver
Benjamin Burwitz, PhD
Chronic HBV infection, recognized as a major global health concern, affects
240 million people worldwide. Chronically infected individuals can go on to
have liver cancer, and many of these patients will require liver transplants.
Dr. Burwitz will discuss a new model of HBV which has major implications for
future research on HBV therapeutics.

February 27  Responding to Emerging Viruses
Daniel Streblow, PhD
Emerging viruses (such as Zika, Ebola, and Chikungunya) are a major threat
to humans and public health. Many factors are involved in determining when
and where viruses emerge. Dr. Streblow will discuss how emerging viruses
are detected, factors that cause their emergence, and how we approach
preventing human infections and disease.