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Thursday, February 5th

10:30 AM - 11:30 AM

Steele 006

“Structural analyses of *Trichomonas vaginalis* pyrophosphate-dependent phosphofructokinase (TvPPI-PFK) “

Abstract: *Trichomonas vaginalis* causes trichomoniasis, the most common non-viral sexually transmitted disease in humans. *T. vaginalis* exclusively infects humans, and trichomoniasis leads to higher rates of HIV, infertility, pre-term birth, HPV, cervical, and prostate cancer. *T. vaginalis* is a priority infectious disease for structural studies by the Seattle Structural Genomics Center for Infectious Disease (SSGCID) because of its clinical significance. SSGCID studies include determining the structures of potential new *T. vaginalis* therapeutic targets and vital metabolic enzymes, such as *T. vaginalis* pyrophosphate-dependent phosphofructokinase (TvPPI-PFK). We will discuss the structure-function analysis of TvPPI-PFK as part of ongoing efforts to characterize new therapeutic targets for *T. vaginalis*.

Bio: Dr. Olúwatóyìn Ajíbólá Asojò, PhD (she/they), is a Professor of Biochemistry and Cell Biology at the Geisel School of Medicine and Dartmouth Cancer Center's Associate Director for Inclusive Excellence. Dr. Asojò chairs DCC's "triple helix" of Inclusive Excellence, CRTEC, and COE. She leads the plan to enhance diversity and ensures that our commitment to inclusive excellence is integrated across the entire spectrum of Dartmouth Cancer Center activity. Dr. Asojò coordinates the DCC Emerging Leaders Program and collaborates with CRTEC to develop educational and training programs. Dr. Asojò also serves as faculty advisor for Dartmouth's chapters of the National Society of Black Women in Medicine and the Minority Association of Pre-Health Students (MAPS).