PARASITES AND PATHOGENS: ECOLOGICAL AND MEDICAL IMPACTS OF GLOBAL CLIMATE CHANGE

Climate change is altering the geographic range of many parasites and disease-causing organisms, bringing them into contact with new host species and human populations, stressing established ecosystems, and creating new public health challenges. Hofstra University’s STEM Collaboratorium Initiative (HUSCI) hosts a day of talks bringing together epidemiologists, ecologists, evolutionary biologists, and public health experts to discuss how parasites and pathogens are responding to climate change and to consider some major areas of concern.

Friday, October 16

9-11 a.m. Panel I – Climate change impacts on parasites and pathogens of aquatic ecosystems
Dr. Andrew David, Biology Department, Clarkson University
Dr. Nicole Fahrenfeld, Civil and Environmental Engineering, Rutgers
Dr. Aaren Freeman, Biology Department, Adelphi University
Ms. Kelly Markowitz, Biology Department, Hofstra University

11:30 a.m.-1:30 p.m. Keynote Speaker – Climate Change and vector-borne diseases
Dr. Nicholas H. Ogden, Senior Research Scientist, Public Health Agency of Canada and expert on Lyme disease

2-4 p.m. Panel II – Climate change impacts on diseases of medical importance
Dr. Howard Ginsberg, USGS Patuxent Wildlife Research Center, University of Rhode Island
Bruce Hirsch, MD, Hofstra North Shore-LIJ School of Medicine
Sunil Sood, MD, Hofstra North Shore-LIJ School of Medicine
Additional speakers TBA

Leo A. Guthart Cultural Center Theater, Axinn Library, South Campus
For more information, please contact the Hofstra Cultural Center at 516-463-5669 or visit hofstra.edu/culture.