

2019 Sears Public Lecture

WHOI Geophysical Fluid Dynamics Program

Tuesday, August 6th 5:00 pm
Redfield Auditorium, WHOI

Reception to follow



Prof. Lydia Bourouiba
Massachusetts Institute of Technology

Fluids and Health

The fundamental mechanisms governing transmission of and contamination by most pathogens remain poorly understood. Fluid processes and physical laws at various scales combined with biological processes are key in filling this gap. Prof. Bourouiba will discuss how fluid dynamics are critical in shaping pathogen transport. She will present an overview of her approach, combining theory and experiments, to elucidate droplet formation and transport in the context of contamination in a range of public health and food safety systems.