

*Are you interested in **exciting careers** that blend **Public Health, Environmental Science, and Applied Microbiology**? Come to this seminar and learn from an expert in the field of infection control and water resource management.*

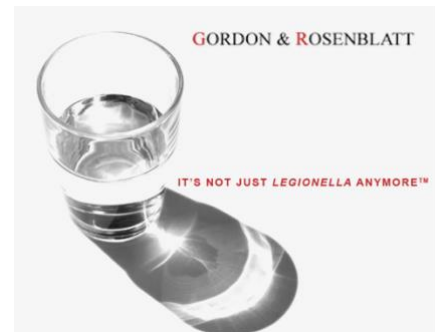
*Queens College, School of Earth and Environmental Science, Spring 2026 Colloquium
Science Building Room C207 and by zoom (see below for zoom link)
Wednesday March 25th, 12:15-1:20pm*

“Legionnaires’ Disease - Fifty years of research - is it time to update the paradigm?”

Dr. Howard Shuman; Principal at Gordon & Rosenblatt LLC
(<https://www.gordonrosenblatt.com/>)

Abstract: In July 1976 a group of veterans attending the US Bicentennial Celebration in Philadelphia became ill and several succumbed to an undiagnosed form of pneumonia. In less than six months, intense detective work at CDC uncovered the cause of the veterans’ illness; a previously unknown species of gram-negative bacteria that was given the name, “*Legionella pneumophila*”. In the intervening fifty years, a tremendous amount of information has been accumulated that illustrates the novel and surprising biology and biochemistry of this and related organisms. Nevertheless, more and more people all over the world contract and die from Legionnaires’ Disease. Perhaps more effort should be focused on ways to control the exposure of people to Legionella.

What is Gordon & Rosenblatt? Gordon & Rosenblatt, LLC is a NYC-based consulting firm that specializes in protecting public health by preventing the spread of waterborne diseases including Legionnaires’ disease, and infections by non-tuberculous mycobacteria and *Pseudomonas*. The firm’s work includes response and recovery to outbreaks, helping clients develop and implement water management plans and multi-pathogen testing programs, and assistance in managing building water systems during the planning, design and construction phases of projects.
(<https://www.gordonrosenblatt.com/>)



Shuman’s Bio: Howard A. Shuman joined Gordon & Rosenblatt as a *Principal* in 2021. He was a Professor of Microbiology at the University of Chicago and a Professor the Department of Microbiology & Immunology at Columbia University. He has studied *Legionella* for more than 40 years. His research group was the first to determine the DNA sequence of *Legionella pneumophila*, made significant contributions to the identification of the Dot/Icm Type IV secretion system, completed genome sequences of 38 *Legionella* species and identified diverse effector-encoding genes and the sequences of the corresponding TFSS components. Dr. Shuman is a Fellow of the American Academy of Microbiology and of the American Association for the Advancement of Science. He has served on the Editorial Boards of *mBio*, *Infection and Immunity*, *The Journal of Biological Chemistry*, and *Protist*. He is a graduate of Harvard University (PhD) and the University of Massachusetts, Amherst (BS).

Zoom link for Shuman Seminar:

Time: Mar 25, 2026 12:15 PM EST

<https://us02web.zoom.us/j/82216165593?pwd=hrZ41i3ZTtaLHhSb2VsA0ds2TSzpih.1>

Meeting ID: 822 1616 5593; Passcode: 563565

One tap mobile. +16469313860,,82216165593#,,,*563565# US