Dr. Lee M. Wetzler is currently a Professor of Medicine and Microbiology at the Boston University School of Medicine and an Attending Physician at the Boston Medical Center. He has a long-standing interest in vaccinology and vaccine adjuvants since his postdoctoral fellowship at the Rockefeller University in NY, in the laboratory of Dr. Emil Gotschlich, the original developer of the meningococcal polysaccharide vaccines. He did his residency at the University of Michigan, his Infectious Diseases fellowship at the Boston University School of Medicine and has been on faculty at this institution for almost two decades. He is nationally and internationally known for his work in neisserial pathogenesis and vaccine development and is considered one of the world’s leading experts in bacterial outer membrane proteins and the use of these products as immune adjuvants via TOLL-like receptors. He has been examining the role of TLR based ligands including the Neisserial major outer membrane protein PorB, as immune adjuvants. His laboratory was the first to demonstrate that PorB directly binds and signals via TLR2, which is the mechanism of its adjuvanticity. He has used this protein in multiple experimental vaccines and its potential use as a vaccine adjuvant is high. New work in his laboratory concerns development of vaccines to protect against gonococcal infections using transgenic mouse models of disease.