Enabling the Evaluation of COVID-19 Vaccines with Correlates of Protection
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Dr. Peter Gilbert, Professor of Biostatistics at the Fred Hutch and University of Washington, focuses on the statistical design and analysis of randomized clinical trials of candidate vaccines for HIV, SARS-CoV-2, malaria, and other infectious pathogens. He specializes in statistical methods and data analyses of these trials to pursue understanding of how immune responses to vaccination and genotypic/immunotypic features of infectious pathogens impact the protective level of the vaccine, so-called "immune correlates of protection analyses" and "sieve analyses." Dr. Gilbert is Principal Investigator of the Statistical Data Management Center for the National Institute of Allergy and Infectious Diseases (NIAID)-sponsored HIV Vaccine Trials Network and provides statistical science leadership for the US Government's COVID-19 Vaccine Correlates of Protection Program.