Martin J. Blaser holds the Henry Rutgers Chair of the Human Microbiome at Rutgers University, where he also serves as Professor of Medicine and Pathology, and as Director of the Center for Advanced Biotechnology and Medicine. Previously, he served as Chair of the Department of Medicine at New York University. A physician and microbiologist, Dr. Blaser has been studying the relationships we have with our persistently colonizing bacteria. His work over 30 years focused on Campylobacter species and Helicobacter pylori, which also are model systems for understanding the interactions of residential bacteria with their hosts. Over the last 20 years, he has also been actively studying the relationship of the human microbiome with health and important diseases including asthma, obesity, diabetes, and cancer. Dr. Blaser has served as the advisor to many students, post-doctoral fellows, and junior faculty, and as President of the Infectious Diseases Society of America, Chair of the Board of Scientific Counselors of the National Cancer Institute, and Chair of the Advisory Board for Clinical Research of the NIH. He was elected to the National Academy of Medicine and the American Academy for Arts and Sciences. He holds 28 U.S. patents, and has authored over 580 original articles. He wrote *Missing Microbes*, a book targeted to general audiences, now translated into 20 languages.