

For the past 37 years, Dr. Kistler's professional work has centered on fungi in the genus *Fusarium*. He received his Ph.D. from Cornell University in 1983 working with Hans VanEtten on the biochemical genetics of host specialization in the pathogenic fungus *Fusarium solani*. After a brief postdoc at the University of Wisconsin- Madison (1984-1985), he took an academic position at the University of Florida, where in 1997 he became full professor in the Department of Plant Pathology.

Since 1999 Dr. Kistler has been a USDA ARS Research Geneticist and Adjunct Professor in the Departments of Plant Pathology and Plant and Microbial Biology at the University of Minnesota. His current research involves the genetics and cellular biology of the wheat and barley pathogen *Fusarium graminearum*. His lab uses genomic approaches to better understand the mechanisms by which the pathogen causes disease. Recently his research has focused on the cellular processes that promote the synthesis and export of mycotoxins and other secondary metabolites. His lab is also interested in the genomics and evolution of host specialization in *Fusarium oxysporum*.

Dr. Kistler is a Fellow of the American Association for the Advancement of Science (AAAS) and the American Phytopathological Society (APS). He has published highly cited research articles in Science, Nature, PNAS, Genetics, and most major journals in the fields of mycology and plant pathology.