FEATURED PROFILE

Daniel Davis

University of Missouri researcher Dr. Daniel Davis makes medical discoveries – and helps other scientists do the same.

Davis has spent most of his scientific career focusing on cutting-edge molecular biology and genome editing technology.

As Assistant Director of the MU Animal Modeling Core, Davis oversees operations of this important campus resource. He lends his expertise in using state-of-the art methods to generate and characterize genetically engineered animal models to help investigators both at MU and at other institutions study gene function and various human disorders. Davis provides expertise working with a variety of animal models ranging from rodents to zebrafish.

Along with his administrative duties, Davis conducts collaborative research. He was part of a team which demonstrated that probiotics such as those found in yogurt could help relieve physiological reactions that commonly occur with stress. Other topics Davis has investigated include examining factors that might cause gastrointestinal symptoms in children and adults with autism spectrum disorder. Additionally, by studying socially-isolated mice, he demonstrated that a dietary supplement called DHA could reduce behaviors associated with depression and anxiety. His findings related to these and other projects have been published in the *Journal of Biomedical Nanotechnology*, *eLife*, *Scientific Reports*, *Brain Behavior and Immunity* and other leading scientific journals.

Dr. Daniel Davis is assistant director of the Animal Modeling Core at the University of Missouri.