

Genetic Testing: DNA to DM

Micah Halpern PhD

Monday April 28 3:00-5:00p.m.

Genetic testing has become a great tool to assist dog breeders in making better breeding and healthcare decisions. In this presentation, we will cover the basics of DNA and how genetic mutations lead to disease including DM (SOD1A) and SOD1B in Berners. We will also discuss breeding probabilities and how to use test results when choosing breeding pairs. Ever wonder how the basics of genetic testing work across the industry? If so, come join us and learn how to use genetic testing to enhance your breeding program.

Dr. Micah Halpern is the Founder and Principal Scientist at Gensol Diagnostics in Clayton, Georgia. He possesses a B.S. in Biology from the Florida Institute of Technology, an M.S. in Forensic DNA Analysis, and a Ph.D. in Biomedical Sciences from the University of Central Florida. Prior to establishing Gensol, he worked as a Senior Scientist at Midwest Research Institute (MRI) in Kansas City, Missouri where he developed and managed several DNA-based programs. Prior to working for MRI, he served as a laboratory researcher in the Brookfield Zoo Conservation Genetics Laboratory studying the genetic diversity of wild and captive animal populations.