Understanding Inherited Neurodegenerative Disease

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Associate Professor in the Department of Pathology, Andrew Lieberman, M.D., Ph.D., and his department are studying several forms of inherited neurodegenerative disease, with the aim to understand disease mechanisms and identify potential therapeutic targets.

"We have worked closely with the Transgenic Animal Model Core to develop several mouse models of human disease using gene targeting," Dr. Lieberman explained.

"Mouse models of neurological disease are among the best experimental systems to use to further the understanding of pathogenesis of these complex disorders. The core has been an essential resource for us, facilitating our development of several new model systems, which have played a central role in our research. Along the way, the core has trained several members of my lab to handle mouse ES [embryonic stem] cells and has provided lots of advice that enabled our success in generating these models."