

**Elissa Chesler, Ph.D.**  
**Assistant Professor**  
**The Jackson Laboratory**

Dr. Elissa Chesler received her Ph.D. from the University of Illinois at Urbana-Champaign. The Jackson Laboratory welcomed her as an Assistant Professor to its faculty in September 2009. Dr. Chesler previously led the Systems Genetics Group at Oak Ridge National Laboratory in Tennessee and served as an Adjunct Assistant Professor in the University of Tennessee Health Science Center's Neuroscience Institute. Dr. Chesler works to improve how behavioral traits in mice are associated with complex underlying genetics and genomics. She then applies the data to human behavioral disorders. She works to devise ways to ensure that mouse models are relevant to the human clinical state, to achieve greater precision in identifying how genetic, environmental and historical contributions shape behaviors. She has served as an investigator on the Integrative Neuroscience Initiative on Alcoholism and a leader of the Ontological Discovery Environment which allows users to integrate phenotype centered gene sets across species, tissue and experimental platform.