Abstract: Neurotoxicology

The neurotoxicology lecture will describe current electrophysiological and behavioral methods used to characterize central nervous system functioning. Common dependent measures for those models and baseline normal values for each model will be identified. Models currently in development that are in vitro endpoint biomarkers will also be discussed. Approaches for identifying neurotoxicological changes associated with specific neurotoxicology syndromes and the potential for reversibility will be considered. Several examples of issue resolution of potential neurotoxicological markers that impact FDA regulatory decisions will be considered. The final topic will address the future in neurotoxicology assessment. Essentially, what is in the works?