

THE USE OF BIOMARKERS IN NEUROLOGICAL DRUG DEVELOPMENT

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The development of new drug is time consuming and expensive. It takes approximately 10-15 years and 1-2 billion dollars to develop one new medicine. Biomarkers have been increasingly used to increase the probability of success and decrease the development cost and time. In general, there are five broad categories of biomarker that can help neurological drug development. They are disease biomarkers, target engagement biomarkers, pharmacodynamic biomarkers, surrogate endpoints biomarkers and safety biomarkers. We will discuss the use of these biomarkers in developing new treatments for neurological disorders.