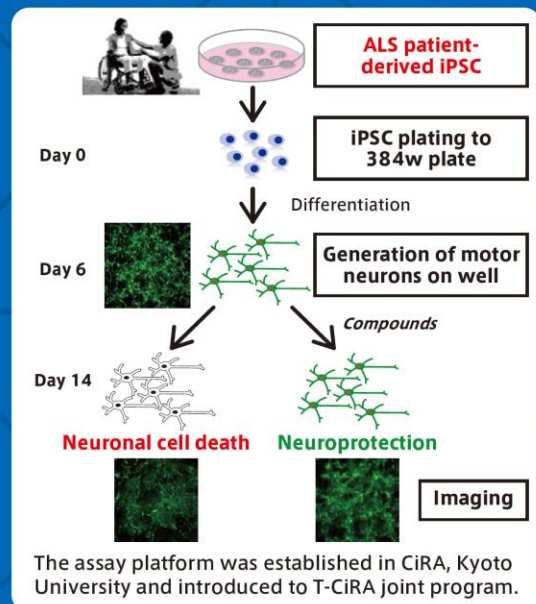




〈ALS/ASD Drug Discovery Project : ALS/ASD drug discovery and development using patient-derived iPSCs〉

Dr. Inoue's team conducts research into amyotrophic lateral sclerosis (ALS), a neurodegenerative disease for which there is no effective cure. They aim to develop new therapeutic drugs using patient-derived iPSCs and Takeda's compound libraries. The team is also focusing on research into autism spectrum disorder (ASD), a psychiatric disorder. The team aims to develop novel and effective therapeutic options for ASD for which no cure is available.

〈Strategy for ALS Drug Discovery〉



〈Progress〉

Dr. Inoue's team conducted high-content and high-throughput screening of Takeda compounds with motor neurons differentiated from patient-derived iPSCs. The team identified "new drug candidates" which are effective against motor neuron loss of patient iPSC-derived neurons.