

Shin-ichi Muramatsu, M.D., Ph.D. Biography

He is currently a Professor of Neurology at Jichi Medical University (JMU) in Japan. He is also a Project Professor of Center for Gene & Cell Therapy at The Institute of Medical Science, The University of Tokyo. He received his M.D. and Ph.D. from JMU. He completed his neurology residency at Gunma University and JMU. He was a visiting associate at National Institutes of Health in USA from 1995 to 1997. His research interest is gene and cell therapies for neurodegenerative diseases. Using adeno-associated virus (AAV) vectors, his group has been developing gene therapies for Parkinson's disease (PD), Alzheimer's disease, amyotrophic lateral sclerosis, and spinocerebellar ataxia. As a principal investigator, he is conducting a clinical trial of gene therapy for PD, in which AAV vectors that express aromatic L-amino acid decarboxylase (AADC) are infused in the putamen. Dr. Muramatsu's expertise has contributed to a clinical trial of gene therapy for AADC deficiency in both Taiwan and Japan. He received the Award for Excellent Research (2001) and the TAKARA Bio Award (2011) from the Japan Society of Gene Therapy. He is one of the founding members of Gene Therapy Research Institution Co., Ltd.