

Symposium

## [S07]Understanding neurological diseases and developing therapeutics focusing on the modulation of the glutamate nervous system

Organizers: Toshiaki Kume (Grad Sch Pharm Sci, Univ Toyama), Satoshi Deyama (Inst Med Pharm Health Sci, Kanazawa Univ)

Thu. Mar 26, 2020 9:00 AM - 11:00 AM [Room U] Swan (1F)

Glutamate acts as a major excitatory neurotransmitter in the central nervous system and plays an important role in higher brain functions such as memory and learning. However, the physiological role of glutamate is very important and is known to have excitotoxicity. Excess glutamate induces neuronal death and is recognized to be involved in various brain diseases including cerebral infarction. In the development of therapeutics for brain diseases, since they have important physiological functions, there are concerns that many side effects may be induced by their regulation. In this situation, it is difficult to say that satisfactory therapy for these diseases has been achieved. Therefore, in this symposium, we focused on the glutamate nervous system, and together with Prof. Traynelis, an expert in NMDA receptor research, one of its major receptors, we will deepen our understanding of the importance of various neurological diseases, and we would like to have discussions with the researchers who have gathered in order to find the new therapeutic targets for the development of new drugs.

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10:57 AM - 11:00 AM

### [S07-Closing]Closing remarks

Satoshi Deyama<sup>1</sup> (1. Inst Med Pharm Health Sci, Kanazawa Univ)