

Symposium | Schizophrenia : [Symposium 8] Recent advancements in schizophrenia research; Asian perspectives

2025年9月25日(木) 14:45 ~ 16:15 Session Room 2 (Main Hall B)

**[Symposium 8] Recent advancements in schizophrenia research; Asian perspectives**

Moderator: Tao Li (Zhejiang University), Toshiya Murai (Kyoto University)

**[SY-8-03] Schizophrenia as the Aberrant Salience Syndrome: Conceptual Formulation, Computational Models, and Neurobiological Evidence**\*Toshiya Murai<sup>1</sup> (1. Kyoto University (Japan))

キーワード : schizophrenia、salience、neuroimaging

The aberrant salience hypothesis is one of the most convincing explanations of the pathophysiology of schizophrenia, particularly delusions. In this presentation, I first present my novel definition of delusion, which can be applied to animals that cannot verbally communicate their internal mental representations. According to this definition, delusions are a state in which enhanced salience is given to trivial, non-significant environmental stimuli. Second, I will present computational models of the aberrant salience syndrome. The candidates of computation "lesions" are multiple. Finally, I will present our fMRI data. Dopaminergic connectivities likely play a key role in aberrant salience in schizophrenia.