

Symposium

📅 2025年9月28日(日) 14:50 ~ 16:20 🏢 Session Room 6 (Conference Room B)

[Symposium 105] Progress in biological signature and care for youth mental health crisis

Moderator: Akitoyo Hishimoto (Kobe University Graduate School of Medicine)

[SY-105-01] Progress in biological signature and care for youth mental health crisis

Akitoyo Hishimoto¹, *Ikuo Otsuka¹, Tomoyuki Miyazaki², Junichi Fujita^{3,4}, Woraphat Rattapha⁵ (1.Kobe University Graduate School of Medicine(Japan), 2.Center for Promotion of Research and industry-Academic Collaboration, Yokohama City University(Japan), 3.Department of Child Psychiatry, Yokohama City University Hospital(Japan), 4.Department of Psychiatry, Yokohama City University School of Medicine(Japan), 5.Faculty of Medicine Siriraj Hospital, Mahidol University(Thailand))

キーワード：Youth mental health、Suicide、Biomarker、AMPA-PET、Metaverse

Mental health among young people is in a crisis, with the number of youth suicides increasing worldwide. By taking advantage of one of the world's largest genome/epigenome data of young suicides and the world's first in-vivo human brain AMPA-PET technology, the speakers in this symposium successfully discovered new preliminary findings, such as accelerated biological aging and an aberrant increase in AMPA receptor density throughout the brain in young people exposed to abuse and suicide risk. The speakers are also working on a project to recover the mental health of young people at risk of mental health through new care platforms such as “metaverse schools”. This symposium will also introduce the current state of youth mental health in Thailand, and will develop a discussion from a global perspective that goes beyond Japan.