

Session 8: Neurobehavioral Development

Date: January 25, 2019

Venue: AP Convention Room Chayamachi, Umeda, Osaka

“The Neural Basis of Self-other Processing in Depressed Adolescents”

Karina Quevedo (University of Minnesota)

This presentation will cover how adolescents with different degrees of psychopathology engage neural function and networks to process self-relevant information. It will also explore networks and function engaged during voluntary modulation of self-relevant information in adolescents.

“Spatial and Temporal Cross-sensory Calibration Typical and Impaired Children and Adults”

Monica Gori (Italian Institute of Technology)

It is evident that the brain is capable of large-scale reorganization following sensory deprivation but the extent of such reorganization is not clear to date. Here I show results on blindness and deafness about the reorganization of spatial and temporal representations when the visual or audio signals are not available. I will also show new rehabilitation approaches to improve these representations.

“Development of Functional Lateralization in the Human Brain”

Tomoyo Morita (Osaka University)

One of functions assigned to the right hemisphere of the human brain is self-body recognition. However, it is still unclear when and how the right hemisphere acquires the function during development. I will present the developmental changes in brain activity during two different self-body recognition tasks, and discuss the significance of functional lateralization in the human brain.