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Group of Biomembrane Functions Seminar

Towards understanding neurobiology of autism spectrum disorders

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日 時：7月10日(火) 15:30-17:00

場 所：理学部A館2階 222号室

Autism spectrum disorders (ASDs) are neuropsychiatric disorders caused by the alterations in the brain development. Concordance rate of ASD incidence in twin studies has been estimated to be 70-90%, suggesting that genetic components may play a significant role in ASD pathogenesis. It has been proposed that altered development of brain networks/connections may be responsible for the characteristic phenotypes associated with ASDs, namely deficits in social interactions and repetitive behaviors. Based on the understanding of brain network and functions discussed in the preceding lectures, I will talk about ongoing efforts to understand the neurobiology of ASD using animal models based on the human genetic studies.

この集中講義とセミナーを通じて、いろいろな分野に興味のある方々に神経系の面白さと難しさを知っていただき、自分のそれぞれの立ち位置を活かして、将来こういった研究分野で活躍して下さる方々が増えるとともに嬉しいです。