

Plenary Lecture 特別講演



1L1 An outsider's take on autism spectrum disorders

Friday, September 11 10:00~11:00 Room A

Chairperson: Yasuki Ishizaki (石崎 泰樹)

Molecular and Cellular Neurobiology, Gunma University Graduate School of Medicine (群馬大学大学院医学系研究科分子細胞生物学)

Martin Raff

MRC LMCB, University College London

Autism spectrum disorders (ASDs) are among the commonest neuropsychiatric disorders. Although, until recently, ASDs were one of the least understood of these disorders, they are now one of the best understood. Progress has come largely through recent advances in human genetics that have identified rare large-effect mutations that cause or greatly increase the risk of these disorders, together with studies of genetic mouse models based on these mutations. Remarkably, in a number of mouse models caused by single mutations, correction of the problem in the adult brain (with either drugs or genetic manipulations) largely reverses many of the behavioral and neurobiological abnormalities, providing hope for the development of therapies for individuals with ASDs. In my talk, I will review the basic features of ASDs, using home videos of the development of my 13-year-old autistic grandson as an example, and I will discuss some of the recent advances in ASD research, consider current puzzles, and speculate on possible ways forward.

(Supported by The Naito Foundation)

Presidential Lectures 会長招聘講演



1L2 Therapeutic strategy for brain disorders as systemic diseases

Friday, September 11 11:00~11:40 Room A

Chairperson: Shinichi Kohsaka (高坂 新一)

National Institute of Neuroscience, National Center for Neurology and Psychiatry (国立精神・神経医療研究センター神経研究所)

Keiji Wada (和田 圭司)

National Institute of Neuroscience, National Center of Neurology and Psychiatry (国立精神・神経医療研究センター神経研究所)



1L3 Oxytocin and more: what we have learned from the brain development and its disorders

Friday, September 11 13:20~14:00 Room A

Chairperson: Noriko Osumi (大隅 典子)

Department of Developmental Neuroscience, Tohoku University Graduate School of Medicine (東北大学大学院医学系研究科発生発達神経科学分野)

Makoto Sato (佐藤 真)

Department of Anatomy and Neuroscience, Osaka University Graduate School of Medicine (大阪大学大学院医学系研究科生命機能研究科)/United Graduate School of Child Development, Osaka University (大阪大学 連合小児発達学研究科)/Research Center for Child Mental Development, University of Fukui (福井大学 子どものこころの発達研究センター)

Lecture by the Recipient of the 2015 Award for Distinguished Investigator of JSN 日本神経化学会第2回優秀賞受賞者講演

1L4 Promotion of glial cell research by virtue of transgenic approach

Friday, September 11 13:20~14:00 Room B

Chairperson: Tadafumi Kato (加藤 忠史)

Laboratory for Molecular Psychiatry, RIKEN BSI (理化学研究所脳科学総合研究センター精神疾患動態研究チーム)

Kenji Tanaka (田中 謙二)

Department of Neuropsychiatry, School of Medicine, Keio Univ (慶應義塾大学・医・精神神経科学)