

Koh-ichi Nagata, M.D., Ph.D.

Vice President and Department Head of Molecular Neurobiology
Institute for Developmental Research, Aichi Human Service Center, Kasugai,
Japan

i) Employment

Vice President (2017-), Department Head (2007-) and Section Head (2004-2007); Institute for Developmental Research, Aichi Human Service Center, Kasugai, Japan

Section Head (1998-2004); Aichi Cancer Center Research Institute, Nagoya, Japan

Associate Professor (1997-1998) and Assistant Professor (1992-1997); Gifu University School of Medicine, Gifu, Japan

ii) Education

M.D. (1986) and Ph.D. (Biochemistry, 1990), Gifu University School of Medicine, Gifu, Japan

iii) Involvement with ISN and APSN

ISN-Symposium organization

- 1) "Septin research and neuronal disease" *23rd ISN Meeting*, 2011, Athens.
- 2) "Pathophysiological mechanisms producing early onset epilepsies with severe comorbid neurodevelopmental disorders" *2019 ISN-ASN Meeting*, Montréal.

ISN-Symposium speaker

- 1) "Harnessing human genetics to define the biochemical pathways involved in brain development" *25th ISN Meeting*, 2015, Cairns, Australia.

APSN-Symposium organization

- 1) "Common molecular aspects of neurodevelopmental and psychiatric disorders" *14th APSN Meeting*, 2016, Kuala Lumpur.

2) "Genes, metabolites and neural circuits: Studying causative genetic mutations to reveal mechanistic pathways for gut-brain nervous development and autism" *15th APSN Meeting*, 2018, Macau.

APSN-Symposium speaker

1) "Molecular basis of schizophrenia" *11th APSN Meeting*, 2012, Kobe, Japan.

My research interests are the pathophysiological mechanism of neurodevelopmental disorders including autism, epilepsy and intellectual disability. Based on genetic data from clinical collaborators, we analyze the effects of gene abnormalities on brain development, and determine pathophysiological mechanisms underlying the clinical features of various disorders.

I would like to join the ISN Council to make contribution to enhancement of close cooperation between clinical/genetic researchers and neuroscientist. Also, I would do my best to train up and support young neuroscientists in the Asia-Pacific area, and act as a mediator to help them creating both regional and global networks. I have no COI relevant to the ISN activities.

(300 words)