Curriculum Vitae

Name: Noriko, OSUMI, DDS, PhD

Present position:

Vice President, Tohoku University
Professor, Department of Developmental Neuroscience
Chair, Center for Neuroscience
Director, United Centers for Advanced Research & Translational Medicine (ART)
Tohoku University School of Medicine

Academic and Professional Career

1979-1985	School of Dentistry, Tokyo Medical & Dental University
1985-1989	Graduate School of Dentistry, Tokyo Medical & Dental University
1989-1996	Research Associate, Department of Craniofacial Morphogenesis & Anomalies, Tokyo Medical & Dental University
1996-1998	Associate Professor, National Institute of Neuroscience, National Center of Neurology & Psychiatry
1998-	Present position
2007-	Special Advisor for Gender Equality (Tohoku University)
2007-2014	Member of Science Council of Japan (three terms)
2008-2011	Distinguished Professor (Tohoku University)
2010-2011	Visiting Professor, MCB, Harvard University
2011-	Director of Core Center for Neuroscience
2012-	TWAS Associate Member
2014-	Associate Member of Science Council of Japan
2015-	Executive Director of United Centers for Advanced Research & Translational Medicine (ART)
2018-	Vice President, Tohoku University

Award

1985	Nagao Award from School of Dentistry, Tokyo Medical & Dental University (for the top student on graduation)
1992	Hatton Travel Award from International Association for Dental Research for the 70th General Session of the IADR
2006	NISTEP Award from MEXT

Biosketch:

Prof. Osumi has graduated Tokyo Medical and Dental University, been given PhD thesis from the same university, and now is a professor of Tohoku University School of Medicine since 1998. She was one of the 25 Distinguished Professors in Tohoku University from 2008 to 2011, and has become Vice President of Tohoku Univerity from 2018. Her research background is developmental biology, and she has interest in brain development, evolution, and disease. Ongoing projects in her lab includes molecular mechanisms of brain development and evolution, lipid biology of astrocytes (the most major brain cells), and animals as models of neurodevelopmental disorders. More recently, she has much interest in DOHaD theory, and eagers to understand regulatory mechanisms for transgenerational effects of paternal aging that affects offspring's behavior. Manipulating embryos and imaging brain cells are expertise of her lab. She has been appointed in various governmental committees such as ethical issues, grant system development, and career paths for young scientists. She was a representative of CREST project (2005-2010) supported by JST and Global COE project (2007-2012) supported by MEXT. Currently, she is a leader for Grant-in-Aid for Scientific Research on Innovative Areas (16H06524) "Integrative Research toward Elucidation of Generation of Brain Systems for Individuality".

Publication (see Google Schlar for full version):
https://scholar.google.co.jp/citations?hl=en&user=MZ5xo5IAAAAJ

Review articles to read:

Kikkawa T, Casingal CR, Chun SH, Shinohara H, Hiraoka K, Osumi N. The role of Pax6 in brain development and its impact on pathogenesis of autism spectrum disorder. Brain Res. 2018 Feb 27. pii: S0006-8993(18)30111-2. doi: 10.1016/j.brainres.2018.02.041. [Epub ahead of print] Review.

Kimura R, Yoshizaki K, Osumi N. Risk of Neurodevelopmental Disease by Paternal Aging: A Possible Influence of Epigenetic Alteration in Sperm. T. Kubota, H. Fukuoka (eds.), Developmental Origins of Health and Disease (DOHaD), Advances in Experimental Medicine and Biology 1012, https://doi.org/10.1007/978-981-10-5526-3_8