

## **Chihiro Nakamoto**

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### **Education**

- March 2011 Bachelor of Engineering, Advanced Course of Creative Systems Engineering  
National Institute of Technology, Okinawa College, Okinawa, Japan
- March 2013 Master of Biomedical Science, Graduate School of Medical and Dental Sciences  
Niigata University, Niigata, Japan
- March 2017 Ph.D. (Doctor of Medical Science), Graduate School of Medical and Dental Sciences  
Niigata University, Niigata, Japan

### **Positions and Employment**

- April 2017 – March 2018 Postdoctoral Fellow, Department of Cellular Neurobiology,  
Brain Research Institute, Niigata University, Niigata, Japan
- April 2018 – March 2019 Postdoctoral Fellow, Department of Animal Model Development,  
Brain Research Institute, Niigata University, Japan
- April 2019 – May 2023 Postdoctoral Fellow, Department of Biomedicine  
Aarhus University, Denmark
- June 2023 – present Assistant professor, Department of Biomedicine  
Aarhus University, Denmark

### **Publications**

1. Yasuhiro Suzuki\*, **Chihiro Nakamoto**\*, Izumi Watanabe-Iida, Masahiko Watanabe, Tomonori Takeuchi, Toshikuni Sasaoka, Manabu Abe, Kenji Sakimura: Quantitative analysis of NMDA receptor subunits proteins in mouse brain, *Neurochemistry International*, 165, 2023. \*Co-first Author.
2. **Chihiro Nakamoto**\*, Yuhei Goto\*, Yoko Tomizawa, Yuko Fukata, Masaki Fukata, Kasper Harpsøe, David E. Gloriam, Kazuhiro Aoki§ and Tomonori Takeuchi§: A novel red fluorescence dopamine biosensor selectively detects dopamine in the presence of norepinephrine in vitro, *Molecular Brain*, 173 (14), 2020. \*Co-first Author. §Co-corresponding Author.
3. **Chihiro Nakamoto**, Meiko Kawamura, Ena Nakatsukasa, Rie Natsume, Keizo Takao, Masahiko Watanabe, Manabu Abe§, Tomonori Takeuchi§, Kenji Sakimura: GluD1 knockout mice with a pure C57BL/6N background show impaired fear memory, social interaction, and enhanced depressive-like behavior, *PLOS ONE*, 15(2), e0229288, 2020. §Co-corresponding Author.
4. **Chihiro Nakamoto**\*, Kohtarou Konno\*, Taisuke Miyazaki, Ena Nakatsukasa, Rie Natsume, Manabu Abe, Meiko Kawamura, Yugo Fukazawa, Ryuichi Shigemoto, Miwako Yamasaki, Kenji Sakimura, and Masahiko Watanabe: Expression mapping, quantitation, and co-immunoprecipitable complex formation of glutamate receptor GluD1 and GluD2 in adult mouse brains, *The Journal of Comparative Neurology*, 528(6), 1003–1027, 2020. \*Co-first Author.
5. Kohtarou Konno, Keiko Matsuda, **Chihiro Nakamoto**, Motokazu Uchigashima, Taisuke Miyazaki, Miwako Yamasaki, Kenji Sakimura, Michisuke Yuzaki, Masahiko Watanabe: Enriched expression of GluD1 in higher brain regions and its involvement in parallel fiber-interneuron synapse formation in the cerebellum, *Journal of Neuroscience*, 34:7412-24, 2014.