

# Nami Tajima

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School of Medicine  
Department of Physiology and Biophysics  
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Cleveland, OH 44106

## EDUCATION

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Yokohama City University, Japan	2006-2011
<i>Ph.D., Molecular Biology</i>	
Aoyama Gakuin University, Japan	2002-2006
<i>B.Sc., Chemistry</i>	

## ACADEMIC POSITIONS

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Assistant Professor, Case Western Reserve University, Cleveland, OH	Feb 2019-Present
Visiting Assistant Professor, Case Western Reserve University, Cleveland, OH	Jan 2019
Postdoctoral Fellow, Cold Spring Harbor Laboratory, New York, NY	2011-2018
Advisor: Dr. Hiro Furukawa	

## TEACHING AND MENTORING EXPERIENCE

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1. Yitong Li (Undergraduate student), Cold Spring Harbor Laboratory	2013
2. Atushi Kurihara (Masters degree), Yokohama City University	2009-2011
3. Teaching assistant, Yokohama City University	2008-2009

## HONORS AND AWARDS

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- 2018, Mount Sinai Scholar
- 2015, Travel award from the Japanese society for biochemistry and molecular biology
- 2012-2014, Postdoctoral fellowship from the Japanese society for the promotion of science

## **PUBLICATIONS**

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1. **Tajima N**, Karakas E, Grant T, Simorowski N, Diaz-Avalos R, Grigorieff N and Furukawa H. Activation of NMDA receptors and the mechanism of inhibition by ifenprodil. *Nature* 2016 Jun;534:63-68. doi: 10.1038/nature17679
2. Jespersen A\*, **Tajima N\***, Fernandez-Cuervo G, Garnier-Amblard EC, and Furukawa H. Structural Insights into Competitive Antagonism in NMDA Receptors. *Neuron* 2014 Jan;81(2):366-378. doi: 10.1016/j.neuron.2013.11.033  
\* These authors contributed equally to this work
3. Hansen KB, **Tajima N**, Risgaard R, Perszyk RE, Jørgensen L, Vance KM, Ogden KK, Clausen RP, Furukawa H, and Traynelis SF. Structural determinants of agonist efficacy at the glutamate binding site of N-methyl-D-aspartate receptors. *Mol Pharmacol.* 2013 Jul;84(1):114-27. doi: 10.1124/mol.113.085803.
4. **Tajima N**, Kawai F, Park SY, and Tame JR. A novel intein-like autoproteolytic mechanism in autotransporter proteins. *J Mol Biol.* 2010 Oct;402(4):645-56. doi: 10.1016/j.jmb.2010.06.068.
5. Nishimura K, **Tajima N**, Yoon YH, Park SY, and Tame JR. Autotransporter passenger proteins: virulence factors with common structural themes. *J Mol Med.* 2010 May;88(5):451-8. doi: 10.1007/s00109-010-0600-y.

## **ORAL PRESENTATIONS**

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2018, Biophysical society annual meeting, San Francisco, CA

2017, Emory University, Department of Pharmacology, Atlanta, GA, USA

2016, Cold Spring Harbor Laboratory, New York, NY, USA

2015, Biochemistry and molecular biology conference, Kobe, Japan