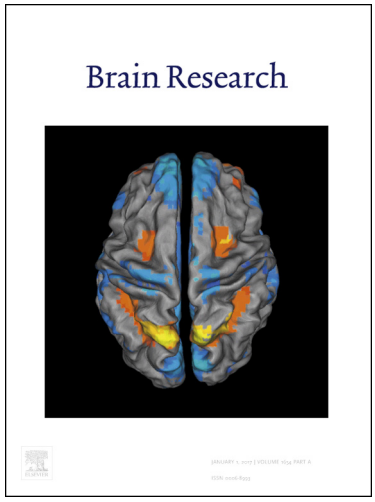

Research report

Short-term Facilitation and Depression of Transmitter Release at Amphibian Sympathetic Ganglionic Cells - Mathematical/Computa- tional Modeling

Nobutada Tashiro, Shogoro Nishi

PII: S0006-8993(17)30276-7
DOI: http://dx.doi.org/10.1016/j.brainres.2017.06.028
Reference: BRES 45410

To appear in: *Brain Research*

Received Date: 17 September 2016
Revised Date: 1 March 2017
Accepted Date: 28 June 2017

Please cite this article as: N. Tashiro, S. Nishi, Short-term Facilitation and Depression of Transmitter Release at Amphibian Sympathetic Ganglionic Cells - Mathematical/Computa- tional Modeling, *Brain Research* (2017), doi: http://dx.doi.org/10.1016/j.brainres.2017.06.028

Short-term Facilitation and Depression of Transmitter Release at Amphibian Sympathetic Ganglionic Cells - Mathematical/Computational Modeling

(Running title: Short-term Plasticity of Synaptic Transmission)

Nobutada Tashiro,[a] and Shogoro Nishi[b]

Neurophysiology Laboratory, Departments of Pharmacology and Therapeutics, Loyola University Medical Center, Maywood, Ill. 60153, U.S.A.

Present addresses:

[a] Department of Neuropsychiatry, Graduate School of Medicine, Kyushu University, Fukuoka 812-8582, Japan

[b] Department of Physiology, Kurume University School of Medicine, Kurume 830-0011, Japan

Theme: Sympathetic ganglionic cells and synaptic transmission
Topic: Synaptic transmission mechanism
Keywords: Depression, Facilitation, Residual calcium, Short-term plasticity
Sympathetic ganglion

Number of pages: 25 pages
Number of Figures and Tables: 6 Figures and one Table
Number of words in Abstract: 247 words
Introduction: 474 words
Discussion: 1406 words

Correspondence: Nobutada Tashiro, 5-7-15, Kasumiga-oka, Higasi-ku, Fukuoka 813-0003, Japan.
FAX: 81-92-673-0395
Email: nobu_tashi@ybb.ne.jp