

Accepted Manuscript

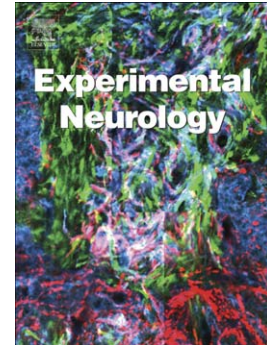
Intrathecal infusion of BMAA induces selective motor neuron damage and astrogliosis in the ventral horn of the spinal cord

Hong Z. Yin, Stephen Yu, Cheng-I Hsu, Joe Liu, Allan Acab, Richard Wu, Anna Tao, Benjamin J. Chiang, John H. Weiss

PII: S0014-4886(14)00190-3
DOI: doi: [10.1016/j.expneurol.2014.06.003](https://doi.org/10.1016/j.expneurol.2014.06.003)
Reference: YEXNR 11755

To appear in: *Experimental Neurology*

Received date: 26 February 2014
Revised date: 16 May 2014
Accepted date: 3 June 2014



Please cite this article as: Yin, Hong Z., Yu, Stephen, Hsu, Cheng-I, Liu, Joe, Acab, Allan, Wu, Richard, Tao, Anna, Chiang, Benjamin J., Weiss, John H., Intrathecal infusion of BMAA induces selective motor neuron damage and astrogliosis in the ventral horn of the spinal cord, *Experimental Neurology* (2014), doi: [10.1016/j.expneurol.2014.06.003](https://doi.org/10.1016/j.expneurol.2014.06.003)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Intrathecal infusion of BMAA induces selective motor neuron damage and astrogliosis in the ventral horn of the spinal cord

Hong Z. Yin, MD ^a, Stephen Yu ^a, Cheng-I Hsu, PhD ^a, Joe Liu ^a, Allan Acab ^a, Richard Wu ^a, Anna Tao ^a, Benjamin J. Chiang ^a and John H. Weiss, MD, PhD ^{a,b,*}

^aDepartment of Neurology, University of California, Irvine, USA

^bDepartment of Anatomy & Neurobiology, University of California, Irvine, USA

**Address correspondence to:*

John H. Weiss, MD, Ph.D.
2101 Gillespie Building
Department of Neurology, University of California, Irvine
Irvine, CA 92697-4292
Tel: (949) 824-6774
Fax: (949) 824-1668
E-mail: jweiss@uci.edu

Abbreviations: α -amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid (AMPA); amyotrophic lateral sclerosis (ALS); amyotrophic lateral sclerosis–Parkinsonism Dementia Complex of Guam (ALS/PDC); beta-N-methylamino-L-alanine (BMAA); Ca²⁺ permeable AMPA receptors (Ca-AMPA receptors); glutamate transporter 1 (GLT-1); motor neuron (MN); superoxide dismutase type 1 (SOD1); TAR DNA-binding protein 43 (TDP-43).

Download English Version:

<https://daneshyari.com/en/article/6017587>

Download Persian Version:

<https://daneshyari.com/article/6017587>

[Daneshyari.com](https://daneshyari.com)