

Accepted Manuscript

Administration of Sonic Hedgehog Protein Induces Angiogenesis and Has Therapeutic Effects after Stroke in Rats

Sheng-cai Chen, Ming Huang, Quan-wei He, Yan Zhang, Elvis Nana Opoku, Hang Yang, Hui-juan Jin, Yuan-peng Xia, Bo Hu

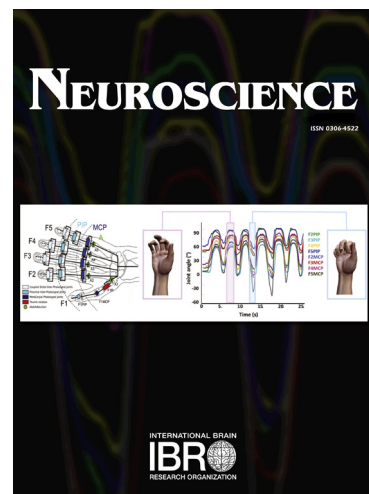
PII: S0306-4522(17)30229-4
DOI: <http://dx.doi.org/10.1016/j.neuroscience.2017.03.054>
Reference: NSC 17698

To appear in: *Neuroscience*

Received Date: 16 November 2016
Revised Date: 27 March 2017
Accepted Date: 28 March 2017

Please cite this article as: S-c. Chen, M. Huang, Q-w. He, Y. Zhang, E.N. Opoku, H. Yang, H-j. Jin, Y-p. Xia, B. Hu, Administration of Sonic Hedgehog Protein Induces Angiogenesis and Has Therapeutic Effects after Stroke in Rats, *Neuroscience* (2017), doi: <http://dx.doi.org/10.1016/j.neuroscience.2017.03.054>

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.



Administration of Sonic Hedgehog Protein Induces Angiogenesis and Has Therapeutic Effects after Stroke in Rats

Sheng-cai Chen^{1,*}, Ming Huang^{1,2,*}, Quan-wei He^{1,*}, Yan Zhang^{1,*}, Elvis Nana Opoku¹,
Hang Yang¹, Hui-juan Jin¹, Yuan-peng Xia^{1,Δ}, and Bo Hu^{1,Δ}

1. Department of Neurology, Union Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, 430022, China.

2. Department of Neurology, The First Hospital of Yichang, Institute of Translational Neuroscience, Three Gorges University College of Medicine, Yichang, 443002, China.

Running title: Therapeutic Effects of Sonic Hedgehog Signaling

Δ, Correspondence Author:

Yuan-peng Xia, M.D., Ph.D., Department of Neurology, Union Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, 430022, China. E-mail: xiayuanpeng@mail.hust.edu.cn, Tel: +86-027-85726028, Fax: +86-027-85726028

Bo Hu, M.D., Ph.D., Department of Neurology, Union Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, 430022, China. E-mail: hubo@mail.hust.edu.cn, Tel: +86-027-85726028, Fax: +86-027-85726028

*These authors made an equal contribution to this work

Download English Version:

<https://daneshyari.com/en/article/5737477>

Download Persian Version:

<https://daneshyari.com/article/5737477>

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