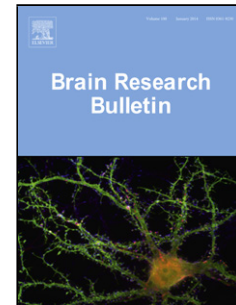


## Accepted Manuscript

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Authors: Ying Wang, Yuanyuan Liu, Jingxu Zhai, Weisong Duan, Shuo Sun, Hongying Cui, Xuexiao Chen, Jianwen Ji, Yaling Liu



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**Title:** scAAV9-VEGF-165 inhibits neuroinflammatory response and invasion of macrophages into the peripheral nervous system of ALS transgenic mice

Ying Wang<sup>1</sup>, Yuanyuan Liu<sup>1#</sup>, Jingxu Zhai<sup>1#</sup>, Weisong Duan<sup>3</sup>, Shuo Sun<sup>4</sup>, Hongying Cui<sup>1</sup>, Xuexiao Chen<sup>1</sup>, Jianwen Ji<sup>5</sup>, Yaling Liu<sup>1, 2, 3\*</sup>.

#Contribute equally to the manuscript

1 Department of Neurology, The Second Hospital of Hebei Medical University, Shijiazhuang, Hebei, People's Republic of China 050000;

2 Institute of Cardiocerebrovascular Disease, West Heping Road 215, Shijiazhuang, Hebei, People's Republic of China 050000;

3 Neurological Laboratory of Hebei Province, Shijiazhuang, Hebei, People's Republic of China 050000;

4 Department of Neurosurgery, The central hospital of Zibo, Zibo, Shandong, People's Republic of China 255000;

5 Center of Neurology Disease, The Third Hospital of Chongqing Medical University, Chongqing, People's Republic of China 404000.

\*Corresponding author: Yaling Liu, Department of Neurology, The Second Hospital of Hebei Medical University, Shijiazhuang, Hebei, People's Republic of China 050000; Telephone +86 15803210553; **E-mail: lyldoctor@163.com**

#### Highlights

- Delivery scAAV9-VEGF at 60 days of age could prolong the lifespan of ALS mice.
- VEGF treatment significantly reduced the number of microglia in CNS.
- Administration of VEGF inhibited the invasion of macrophages into PNS.

#### ABSTRACT

Amyotrophic lateral sclerosis (ALS) is a progressive neurodegenerative disorder leading to paralysis and death within 3-5 years. Although the vast majority studies focus on the vulnerable neurons, growing evidences showed that the non-neuronal cells contribute to pathogenesis and disease progression. Here, we showed that

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