

## 2021 APS Outstanding Contribution Awards

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### APS Outstanding Paper Award

[KLF4 functions as an oncogene in promoting cancer stem cell-like characteristics in osteosarcoma cells](#)

Xiao-Tian Qi, Yang-Ling Li, Yan-Qi Zhang, Tong Xu, Bin Lu, Liang Fang, Jian-Qing Gao, Lu-Shan Yu, Di-Feng Zhu, Bo Yang, Qiao-Jun He, Mei-Dan Ying

*Acta Pharmacol Sin.* 2019 Apr;40 (4): 546-555. doi: 10.1038/s41401-018-0050-6. Epub 2018 Jun 21.

[Ginsenoside Rg1 protects against ischemic/reperfusion-induced neuronal injury through miR-144/Nrf2/ARE pathway](#)

Shi-Feng Chu, Zhao Zhang, Xin Zhou, Wen-Bin He, Chen Chen, Piao Luo, Dan-Dan Liu, Qi-di Ai, Hai-Fan Gong, Zhen-Zhen Wang, Hong-Shuo Sun, Zhong-Ping Feng, Nai-Hong Chen

*Acta Pharmacol Sin.* 2019 Jan; 40(1): 13-25. doi: 10.1038/s41401-018-0154-z. Epub 2018 Sep 27.

[Diterpene ginkgolides protect against cerebral ischemia/reperfusion damage in rats by activating Nrf2 and CREB through PI3K/Akt signaling](#)

Wen Zhang, Jun-Ke Song, Rong Yan, Li Li, Zhi-Yong Xiao, Wen-Xia Zhou, Zhen-Zhong Wang, Wei Xiao, Guan-Hua Du

*Acta Pharmacol Sin.* 2018 Aug; 39(8): 1259-1272. doi: 10.1038/aps.2017.149. Epub 2018 Mar 15.

[HOTAIR lncRNA SNPs rs920778 and rs1899663 are associated with smoking, male gender, and squamous cell carcinoma in a Chinese lung cancer population](#)

Cong Wang, Ying Li, Yong-Wen Li, Hong-Bing Zhang, Hao Gong, Yin Yuan, Wei-Ting Li, Hong-Yu Liu, Jun Chen

*Acta Pharmacol Sin.* 2018 Nov; 39(11): 1797-1803. doi: 10.1038/s41401-018-0083-x. Epub 2018 Aug 28.

[Eukaryotic elongation factor-2 kinase regulates the cross-talk between autophagy and pyroptosis in doxorubicin-treated human melanoma cells in vitro](#)

Pian Yu, Hai-Yan Wang, Min Tian, Ao-Xue Li, Xi-Sha Chen, Xin-Luan Wang, Yi Zhang, Yan Cheng

*Acta Pharmacol Sin.* 2019 Sep; 40(9): 1237-1244. doi: 10.1038/s41401-019-0222-z. Epub 2019 Mar 26.

[Berberine attenuates ischemia-reperfusion injury through inhibiting HMGB1 release and NF- \$\kappa\$ B nuclear translocation](#)

Jun-Rong Zhu, Hai-Dan Lu, Chao Guo, Wei-Rong Fang, Hong-Dong Zhao, Jun-Shan Zhou, Feng Wang, Yan-Li Zhao, Yun-Man Li, Ying-Dong Zhang, Chang-Qing Yang, Jian-Guo Sun

*Acta Pharmacol Sin.* 2018 Nov; 39(11): 1706-1715. doi: 10.1038/s41401-018-0160-1.

[Artemisinin analogue SM934 ameliorates DSS-induced mouse ulcerative colitis via suppressing neutrophils and macrophages](#)

Yu-Xi Yan, Mei-Juan Shao, Qing Qi, Yan-Sheng Xu, Xiao-Qian Yang, Feng-Hua Zhu, Shi-Jun He, Pei-Lan He, Chun-Lan Feng, Yan-Wei Wu, Heng Li, Wei Tang, Jian-Ping Zuo  
Acta Pharmacol Sin. 2018 Oct; 39(10): 1633-1644. doi: 10.1038/aps.2017.185. Epub 2018 May 31.

[Cannabidiol does not display drug abuse potential in mice behavior](#)

Adrián Viudez-Martínez, María S García-Gutiérrez, Juan Medrano-Relinque, Carmen M Navarrón, Francisco Navarrete, Jorge Manzanares  
Acta Pharmacol Sin. 2019 Mar; 40(3): 358-364. doi: 10.1038/s41401-018-0032-8. Epub 2018 Jul 18.

[CTC clusters induced by heparanase enhance breast cancer metastasis](#)

Rong-Rui Wei, Dan-Ni Sun, Hong Yang, Juan Yan, Xiong Zhang, Xing-Ling Zheng, Xu-Hong Fu, Mei-Yu Geng, Xun Huang, Jian Ding  
Acta Pharmacol Sin. 2018 Aug; 39(8): 1326-1337. doi: 10.1038/aps.2017.189. Epub 2018 Feb 8.

[CP-25 reverses prostaglandin E4 receptor desensitization-induced fibroblast-like synoviocyte dysfunction via the G protein-coupled receptor kinase 2 in autoimmune arthritis](#)

Xiao-Yi Jia, Yan Chang, Fang Wei, Xing Dai, Yu-Jing Wu, Xiao-Jing Sun, Shu Xu, Hua-Xun Wu, Chun Wang, Xue-Zhi Yang, Wei Wei  
Acta Pharmacol Sin. 2019 Aug; 40(8): 1029-1039. doi: 10.1038/s41401-018-0196-2. Epub 2019 Jan 14.

[Pharmacological activation of REV-ERB \$\alpha\$  represses LPS-induced microglial activation through the NF- \$\kappa\$ B pathway](#)

Dong-Kai Guo, Yao Zhu, Hong-Yang Sun, Xing-Yun Xu, Shun Zhang, Zong-Bing Hao, Guang-Hui Wang, Chen-Chen Mu, Hai-Gang Ren  
Acta Pharmacol Sin. 2019 Jan; 40(1): 26-34. doi: 10.1038/s41401-018-0064-0. Epub 2018 Jun 27.

[Ganoderma lucidum extract ameliorates MPTP-induced parkinsonism and protects dopaminergic neurons from oxidative stress via regulating mitochondrial function, autophagy, and apoptosis](#)

Zhi-Li Ren, Chao-Dong Wang, Tao Wang, Hui Ding, Ming Zhou, Nan Yang, Yan-Yong Liu, Piu Chan  
Acta Pharmacol Sin. 2019 Apr; 40(4): 441-450. doi: 10.1038/s41401-018-0077-8. Epub 2018 Jul 10.

[Salvia miltiorrhizaBurge \(Danshen\): a golden herbal medicine in cardiovascular therapeutics](#)

Zhuo-Ming Li, Suo-Wen Xu, Pei-Qing Liu  
Acta Pharmacol Sin. 2018 May; 39(5): 802-824. doi: 10.1038/aps.2017.193.

[TRPM2: a candidate therapeutic target for treating neurological diseases](#)

Jillian Corinne Belrose, Michael Frederick Jackson  
Acta Pharmacol Sin. 2018 May; 39(5): 722-732. doi: 10.1038/aps.2018.31.

[GPR3, GPR6, and GPR12 as novel molecular targets: their biological functions and interaction with cannabidiol](#)

Alyssa S Laun, Sarah H Shrader, Kevin J Brown, Zhao-Hui Song  
Acta Pharmacol Sin. 2019 Mar; 40(3): 300-308. doi: 10.1038/s41401-018-0031-9. Epub 2018 Jun 25.

[Discovery and development of NA-1 for the treatment of acute ischemic stroke](#)

Beatrice Ballarin, Michael Tymianski

Acta Pharmacol Sin. 2018 May; 39(5): 661-668. doi: 10.1038/aps.2018.5. Epub 2018 Mar 22.

[Vascular endothelial dysfunction, a major mediator in diabetic cardiomyopathy](#)

Maura Knapp, Xin Tu, Rongxue Wu

Acta Pharmacol Sin. 2019 Jan; 40(1): 1-8. doi: 10.1038/s41401-018-0042-6. Epub 2018 Jun 4.

[Heart-type fatty acid binding protein \(H-FABP\) as a biomarker for acute myocardial injury and long-term post-ischemic prognosis](#)

Xiao-Dong Ye, Yi He, Sheng Wang, Gordon T Wong, Michael G Irwin, Zhengyuan Xia

Acta Pharmacol Sin. 2018 Jul; 39(7): 1155-1163. doi: 10.1038/aps.2018.37. Epub 2018 May 17.

[The role of K<sub>ATP</sub> channels in cerebral ischemic stroke and diabetes](#)

Vivian Szeto, Nai-Hong Chen, Hong-Shuo Sun, Zhong-Ping Feng

Acta Pharmacol Sin. 2018 May; 39(5): 683-694. doi: 10.1038/aps.2018.10. Epub 2018 Apr 19.

[Role of oxylipins in cardiovascular diseases](#)

Mohammed A Nayeem

Acta Pharmacol Sin. 2018 Jul; 39(7): 1142-1154. doi: 10.1038/aps.2018.24. Epub 2018 Jun 7.

[MicroRNAs as biomarkers for human glioblastoma: progress and potential](#)

Shi-Wei Huang, Ni-da Ali, Lily Zhong, Jian Shi

Acta Pharmacol Sin. 2018 Sep; 39(9): 1405-1413. doi: 10.1038/aps.2017.173. Epub 2018 Feb 8.

[Oncogene-induced senescence: a double edged sword in cancer](#)

Xue-Ling Liu, Jian Ding, Ling-Hua Meng

Acta Pharmacol Sin. 2018 Oct; 39(10): 1553-1558. doi: 10.1038/aps.2017.198. Epub 2018 Apr 5.

[Overview of recent advances in liposomal nanoparticle-based cancer immunotherapy](#)

Ang Gao, Xian-Li Hu, Madiha Saeed, Bin-Fan Chen, Ya-Ping Li, Hai-Jun Yu

Acta Pharmacol Sin. 2019 Sep; 40(9): 1129-1137. doi: 10.1038/s41401-019-0281-1. Epub 2019 Aug 1.

**APS Outstanding Reviewer Award**

<a href="#">Zhao, Ying-yong</a>	<a href="#">Wang, Lirui</a>	<a href="#">Yang, Bo</a>	<a href="#">Wang, Feng-Sheng</a>
<a href="#">Guo, Bing</a>	<a href="#">BI, Hui-chang</a>	<a href="#">Li, Yang</a>	<a href="#">Xu, Yong</a>
<a href="#">Huang, Guangcun</a>	<a href="#">Ji, Yong</a>	<a href="#">Cao, Jun-Li</a>	<a href="#">Ding, Fei</a>
<a href="#">Hou, Li-Fei</a>	<a href="#">Zhang, Yong</a>	<a href="#">Jiang, Han-dong</a>	<a href="#">Li, Jingya</a>
<a href="#">Xiao, Cheng</a>	<a href="#">YAO, Hong-hong</a>	<a href="#">ZHEN, Xue-chu</a>	<a href="#">Xie Junxia</a>
<a href="#">Qu, Aijuan</a>	<a href="#">Lin, Chuwen</a>	<a href="#">Huang, Min</a>	<a href="#">Yi, Fan</a>
<a href="#">Xie, Qiang-min</a>	<a href="#">Zhao, Ming-Gao</a>		