

2020 APS Outstanding Contribution Awards

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APS Outstanding Paper Award

[Shikonin induces glioma cell necroptosis in vitro by ROS overproduction and promoting RIP1/RIP3 necrosome formation](#)

Bin Lu, Xu Gong, Zong-Qi Wang, Ye Ding, Chen Wang, Tian-Fei Luo, Mei-Hua Piao, Fan-Kai Meng, Guang-Fan Chi, Yi-Nan Luo, Peng-Fei Ge

Acta Pharmacol Sin. 2017 Nov; 38(11):1543-1553. doi: 10.1038/aps.2017.112. Epub 2017 Aug 17.

[The ceramide pathway is involved in the survival, apoptosis and exosome functions of human multiple myeloma cells in vitro](#)

Qian Cheng, Xin Li, Yue Wang, Min Dong, Feng-Huang Zhan, Jing Liu

Acta Pharmacol Sin. 2018 Apr; 39(4):561-568. doi: 10.1038/aps.2017.118. Epub 2017 Aug 31.

[Astragaloside IV attenuates free fatty acid-induced ER stress and lipid accumulation in hepatocytes via AMPK activation](#)

Bing Zhou, Dan-Li Zhou, Xiao-Hong Wei, Rong-Yu Zhong, Jie Xu, Liao Sun

Acta Pharmacol Sin. 2017 Jul; 38(7):998-1008. doi: 10.1038/aps.2016.175. Epub 2017 Mar 27.

[SIRT1 plays a neuroprotective role in traumatic brain injury in rats via inhibiting the p38 MAPK pathway](#)

Hong Yang, Zheng-Tao Gu, Li Li, Mac Maeghele, Bi-Ying Zhou, Feng Li, Ming Zhao, Ke-Sen Zhao

Acta Pharmacol Sin. 2017 Feb; 38(2):168-181. doi: 10.1038/aps.2016.130. Epub 2016 Dec 26.

[Molecular design and synthesis of self-assembling camptothecin drug amphiphiles](#)

Andrew G Cheetham, Yi-An Lin, Ran Lin, Honggang Cui

Acta Pharmacol Sin. 2017 Jun; 38(6):874-884. doi: 10.1038/aps.2016.151. Epub 2017 Mar 6.

[Insights into the molecular mechanisms of Polygonum multiflorum Thunb-induced liver injury: a computational systems toxicology approach](#)

Yin-Yin Wang, Jie Li, Zeng-Rui Wu, Bo Zhang, Hong-Bin Yang, Qin Wang, Ying-Chun Cai, Gui-Xia Liu, Wei-Hua Li, Yun Tang

Acta Pharmacol Sin. 2017 May;38(5):719-732. doi: 10.1038/aps.2016.147. Epub 2017 Feb 27.

[The Chk1 inhibitor MK-8776 increases the radiosensitivity of human triple-negative breast cancer by inhibiting autophagy](#)

Zhi-Rui Zhou, Zhao-Zhi Yang, Shao-Jia Wang, Li Zhang, Ju-Rui Luo, Yan Feng, Xiao-Li Yu, Xing-Xing Chen, Xiao-Mao Guo

Acta Pharmacol Sin. 2017 Apr; 38(4):513-523. doi: 10.1038/aps.2016.136. Epub 2017 Jan 2.

[Gefitinib inhibits M2-like polarization of tumor-associated macrophages in Lewis lung cancer by targeting the STAT6 signaling pathway](#)

Muhammad Tariq, Jie-Qiong Zhang, Gui-Kai Liang, Qiao-Jun He, Ling Ding, Bo Yang

Acta Pharmacol Sin. 2017 Nov; 38(11):1501-1511. doi: 10.1038/aps.2017.124. Epub 2017 Oct 12.

[Preclinical evaluation of the efficacy, pharmacokinetics and immunogenicity of JS-001, a programmed cell death protein-1 \(PD-1\) monoclonal antibody](#)

Jie Fu, Fang Wang, Li-Hou Dong, Jing Zhang, Cheng-Lian Deng, Xue-Li Wang, Xin-Yao Xie, Jing Zhang, Ruo-Xian Deng, Li-Bo Zhang, Hai Wu, Hui Feng, Bo Chen, Hai-Feng Song

Acta Pharmacol Sin. 2017 May; 38(5):710-718. doi: 10.1038/aps.2016.161. Epub 2017 Mar 20.

[Enhanced intracellular delivery and controlled drug release of magnetic PLGA nanoparticles modified with transferrin](#)

Yan-Na Cui, Qing-Xing Xu, Pooya Davoodi, De-Ping Wang, Chi-Hwa Wang

Acta Pharmacol Sin. 2017 Jun; 38(6):943-953. doi: 10.1038/aps.2017.45. Epub 2017 May 29.

[Polydatin ameliorates Staphylococcus aureus-induced mastitis in mice via inhibiting TLR2-mediated activation of the p38 MAPK/NF-kappa B pathway](#)

Kang-Feng Jiang, Gan Zhao, Gan-Zhen Deng, Hai-Chong Wu, Nan-Nan Yin, Xiu-Ying Chen, Chang-Wei Qiu, Xiu-Li Peng

Acta Pharmacol Sin. 2017 Feb; 38(2):211-222. doi: 10.1038/aps.2016.123. Epub 2016 Nov 28.

[miRNAs in cardiovascular diseases: potential biomarkers, therapeutic targets and challenges](#)

Shan-Shan Zhou, Jing-Peng Jin, Ji-Qun Wang, Zhi-Guo Zhang, Jonathan H Freedman, Yang Zheng, Lu Cai

Acta Pharmacol Sin. 2018 Jul; 39(7):1073-1084. doi: 10.1038/aps.2018.30.

[Exosomes: new molecular targets of diseases](#)

Saheli Samanta, Sheeja Rajasingh, Nicholas Drosos, Zhigang Zhou, Buddhadeb Dawn, Johnson Rajasingh

Acta Pharmacol Sin. 2018 Apr; 39(4):501-513. doi: 10.1038/aps.2017.162.

[Chimeric antigen receptor \(CAR\)-transduced natural killer cells in tumor immunotherapy](#)

Yuan Hu, Zhi-Gang Tian, Cai Zhang

Acta Pharmacol Sin. 2018 Feb; 39(2):167-176. doi: 10.1038/aps.2017.125.

[Overview of the anti-inflammatory effects, pharmacokinetic properties and clinical efficacies of arctigenin and arctiin from *Arctium lappa* L](#)

Qiong Gao, Mengbi Yang, Zhong Zuo

Acta Pharmacol Sin. 2018 May; 39(5):787-801. doi: 10.1038/aps.2018.32.

[Insights into molecular therapy of glioma: current challenges and next generation blueprint](#)

Y Rajesh, Ipsita Pal, Payel Banik, Sandipan Chakraborty, Sachin A Borkar, Goutam Dey, Ahona Mukherjee, Mahitosh Mandal

Acta Pharmacol Sin. 2017 May; 38(5):591-613. doi: 10.1038/aps.2016.167.

[Exosomal cargo-loading and synthetic exosome-mimics as potential therapeutic tools](#)

Song-Pei Li, Zhong-Xiao Lin, Xue-Yan Jiang, Xi-Yong Yu

Acta Pharmacol Sin. 2018 Apr; 39(4):542-551. doi: 10.1038/aps.2017.178.

[Circular noncoding RNAs as potential therapies and circulating biomarkers for cardiovascular diseases](#)

Ahmed S Bayoumi, Tatsuya Aonuma, Jian-Peng Teoh, Yao-Liang Tang, Il-Man Kim

Acta Pharmacol Sin. 2018 Jul; 39(7):1100-1109. doi: 10.1038/aps.2017.196.

[The circulating non-coding RNA landscape for biomarker research: lessons and prospects from cardiovascular diseases](#)

Stępień E, Marina C Costa, Szczepan Kurc, Anna Drożdż, Nuno Cortez-Dias, Francisco J Enguita

Acta Pharmacol Sin. 2018 Jul; 39(7):1085-1099. doi: 10.1038/aps.2018.35.

[Non-coding RNAs as biomarkers for acute myocardial infarction](#)

Chen Wang , Qing Jing

Acta Pharmacol Sin. 2018 Jul; 39(7):1110-1119. doi: 10.1038/aps.2017.205.

[Importance of integrating nanotechnology with pharmacology and physiology for innovative drug delivery and therapy - an illustration with firsthand examples](#)

Rui Xue Zhang, Jason Li, Tian Zhang, Mohammad A Amini, Chunsheng He, Brian Lu, Taksim Ahmed, HoYin Lip, Andrew M Rauth, Xiao Yu Wu

Acta Pharmacol Sin. 2018 May; 39(5):825-844. doi: 10.1038/aps.2018.33.

[Zinc deficiency and cellular oxidative stress: prognostic implications in cardiovascular diseases](#)

Sangyong Choi, Xian Liu, Zui Pan

Acta Pharmacol Sin. 2018 Jul; 39(7):1120-1132. doi: 10.1038/aps.2018.25.

APS Outstanding Reviewer Award

Meng, Ling-hua	Jiang, Wei	Cai, Lu	Qi, Qi
Lu, Jin-Jian	Tang, Wei	Yang, Baoxue	Liu, Shuwen
Chen, Chun-Jung	He, Xian-hui	Lu, Limin	Sun, Wu-Yi
Li, Yi-gang	Zhu, Hong	Chen, Yi	Lu, Ming
Min, Yuanzeng	Ying, Zheng	Duan, Wei-xun	Chen, Shu-zhen
Pan, Li-Long	Huang, Yongzhuo	Hu, Wei-wei	Gao, Huile
Pan, Jingxuan	Wen, Fu-Qiang	Yuan, Tifei	Liu, Bo
Chen, Jun	Shan, Zhi-xin	Wan, Guohui	Wu, Jian
Cheng, Yan	Hung, Ming-Shiu	Qian, Feng	Sun, Yang
Hu, Shijun	Liu, Zu-long	He, Xin	Hung, Jan-jong

APS Outstanding Guest Editor Award

[Vol. 41, No. 4, Parkinson's Disease:](#) [Zhen, Xue-chu](#)

[Vol. 41, No. 7, Nanomedicines:](#) [Yu, Hai-jun](#)