

Review Article	1725	Mutations in key driver genes of pancreatic cancer: molecularly targeted therapies and other clinical implications Hai-feng Hu, Zeng Ye, Yi Qin, Xiao-wu Xu, Xian-jun Yu, Qi-feng Zhuo and Shun-rong Ji
	1742	NOD-like receptors in autoimmune diseases Li Chen, Shi-qi Cao, Ze-min Lin, Shi-jun He and Jian-ping Zuo
Article		
Neuropharmacology	1757	Neonatal cortical astrocytes possess intrinsic potential in neuronal conversion in defined media <i>Open</i> Peng Zeng, Qiu-hong Hua, Jun-yuan Gong, Chang-jie Shi, Xiao-ping Pi, Xin Xie and Ru Zhang
	1769	1,2,4-Trimethoxybenzene selectively inhibits NLRP3 inflammasome activation and attenuates experimental autoimmune encephalomyelitis Rui-yuan Pan, Xiang-xi Kong, Yong Cheng, Lu Du, Zhen-chao Wang, Chao Yuan, Jin-bo Cheng, Zeng-qiang Yuan, Hai-yan Zhang and Ya-jin Liao
Cardiovascular Pharmacology	1780	Interleukin-17 upregulation participates in the pathogenesis of heart failure in mice via NF- κ B-dependent suppression of SERCA2a and Cav1.2 expression Gen-long Xue, De-sheng Li, Zhi-yong Wang, Yang Liu, Ji-ming Yang, Chang-zhu Li, Xing-da Li, Jiu-dong Ma, Man-man Zhang, Yan-jie Lu, Yue Li, Bao-feng Yang and Zhen-wei Pan
	1790	Rictor/mTORC2 involves mitochondrial function in ES cells derived cardiomyocytes via mitochondrial Connexin 43 Jia-dan Wang, Ying Shao, Dan Liu, Nuo-ya Liu and Dan-yan Zhu
	1798	Inhibition of miR-135a-5p attenuates vascular smooth muscle cell proliferation and vascular remodeling in hypertensive rats Chao Ye, Ying Tong, Nan Wu, Guo-wei Wan, Fen Zheng, Jing-yu Chen, Jian-zhen Lei, Hong Zhou, Ai-dong Chen, Jue-jin Wang, Qi Chen, Yue-hua Li, Yu-ming Kang and Guo-qing Zhu
Hepatopharmacology	1808	Pantoprazole ameliorates liver fibrosis and suppresses hepatic stellate cell activation in bile duct ligation rats by promoting YAP degradation Zhen-ning Lu, Wei-xiao Niu, Na Zhang, Mao-xu Ge, Yun-yang Bao, Yu Ren, Xiu-li Guo and Hong-wei He
Gastrointestinal Pharmacology	1821	Berberine alleviates visceral hypersensitivity in rats by altering gut microbiome and suppressing spinal microglial activation <i>Open</i> Jin-dong Zhang, Jiao Liu, Shi-wei Zhu, Yuan Fang, Ben Wang, Qiong Jia, Hui-feng Hao, John Y. Kao, Qi-hua He, Li-jin Song, Fei Liu, Bao-li Zhu, Chung Owyang and Li-ping Duan
Endocrine Pharmacology	1834	SL010110, a lead compound, inhibits gluconeogenesis via SIRT2-p300-mediated PEPCK1 degradation and improves glucose homeostasis in diabetic mice Yu-ran Ren, Yang-liang Ye, Ying Feng, Ti-fei Xu, Yu Shen, Jia Liu, Su-ling Huang, Jian-hua Shen and Ying Leng
Chemotherapy	1847	Targeting the ILK/YAP axis by LFG-500 blocks epithelial-mesenchymal transition and metastasis Cheng-lin Li, Juan Li, Shu-yuan Gong, Meng Huang, Rui Li, Gui-xiang Xiong, Fan Wang, Qiu-ming Zou, Qi Qi and Xiao-xing Yin
	1860	Identification of pimavanserin tartrate as a potent Ca ²⁺ -calcineurin-NFAT pathway inhibitor for glioblastoma therapy Zhen-zhen Liu, Xiao-ning Liu, Rui-cheng Fan, Yu-ping Jia, Qing-ke Zhang, Xin-qing Gao, Yu-qing Wang, Meng-qing Yang, Li-zhen Ji, Yong-qing Zhou, Hong-li Li, Ping Li and Bo Tang
	1875	Autophagy inhibitors increase the susceptibility of KRAS-mutant human colorectal cancer cells to a combined treatment of 2-deoxy-D-glucose and lovastatin Xiao-ming Huang, Jia-jun Huang, Jing-jing Du, Na Zhang, Ze Long, You Yang, Fang-fang Zhong, Bo-wen Zheng, Yun-fu Shen, Zhe Huang, Xiang Qin, Jun-he Chen, Qian-yu Lin, Wan-jun Lin and Wen-zhe Ma

- 1888 The transcription factor PBX3 promotes tumor cell growth through transcriptional suppression of the tumor suppressor p53
Wen-fang Li, Arin Herkilini, Yu Tang, Ping Huang, Guan-bin Song, Makoto Miyagishi, Vivi Kasim and Shou-rong Wu
- 1900 G3BP1 promotes human breast cancer cell proliferation through coordinating with GSK-3 β and stabilizing β -catenin
Cong-hui Zhang, Hong Liu, Wu-li Zhao, Wen-xia Zhao, Hui-min Zhou and Rong-guang Shao
- Drug Absorption, Distribution, Metabolism and Excretion** 1913 Disulfiram-loaded lactoferrin nanoparticles for treating inflammatory diseases
An-te Ou, Jia-xin Zhang, Yue-fei Fang, Rong Wang, Xue-ping Tang, Peng-fei Zhao, Yu-ge Zhao, Meng Zhang and Yong-zhuo Huang
- Drug Discovery** 1921 Development of a nanobody-based immunoassay for the sensitive detection of fibrinogen-like protein 1
Wan-ting Zhang, Ting-ting Liu, Man Wu, Xiao-chen Chen, Li Han, Zhen-zhong Shi, Yu-ying Li, Xi-yang Li, Hai-xing Xu, Li-kun Gong, Pei-hu Xu and Yong Geng
- Absorption, Distribution, Metabolism and Excretion** 1930 Ginsenoside 20(S)-Rh2 promotes cellular pharmacokinetics and intracellular antibacterial activity of levofloxacin against *Staphylococcus aureus* through drug efflux inhibition and subcellular stabilization
Xiao-yang Chen, Fei Qian, Yao-yao Wang, Yan Liu, Yuan Sun, Wei-bin Zha, Kun Hao, Fang Zhou, Guang-ji Wang and Jing-wei Zhang
- 1942 Bile duct ligation causes opposite impacts on the expression and function of BCRP and P-gp in rat brain partly via affecting membrane expression of ezrin/radixin/moesin proteins
Tong Wu, Yun Sheng, Yuan-yuan Qin, Wei-min Kong, Meng-meng Jin, Han-yu Yang, Xiao-ke Zheng, Chang Dai, Ming Liu, Xiao-dong Liu and Li Liu
- Cover** NLRP3 inflammasome is implicated in inflammation-associated diseases such as multiple sclerosis. Liao et al identified 1,2,4-TTB as a selective NLRP3 inflammasome inhibitor, which inhibited the aggregation of NLRP3 and ameliorated EAE progression and demyelination. This image illustrates the mechanism that 1,2,4-TTB inhibits NLRP3 inflammasome and the progression of EAE. See the article in pages 1769–1779.

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Editorial Board of Acta Pharmacologica Sinica
294 Tai-yuan Road, Shanghai 200031, China
Http://www.chinaphar.com
E-mail aps@simm.ac.cn or aps@sibs.ac.cn
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