

CONTENTS

Volume 16 Number 1 February 2018

Review article

- 1 NETosis – Dr. Jekyll and Mr. Hyde in inflammation
LUCIA LAUKOVÁ and BARBORA KONEČNÁ

Original research articles

- 10 The influence of modulators of acetylcholinesterase on the resistance of mice against soman and on the effectiveness of antidotal treatment of soman poisoning in mice
JIRI KASSA, JAN KORABECNY, EUGENIE NEPOVIMOVA and DANIEL JUN
- 15 IL-37 mediates the anti-tumor activity in non-small cell lung cancer through IL-6/STAT3 pathway
YAN-MING DENG, HUA ZHANG, JIAN-MIAO LIANG, HAI-BING XIAN, ZE-CHENG CHEN, YI-CONG TANG, SHUANG YANG and WEI-NENG FENG
- 22 Sinomenine inhibits the growth of glioma cells through STAT3 signal pathway
YI-TING WEI, QUN-YING YANG, SHUANG-BO FAN, LIANG-WANG, DONG-XIA HU and PING SHUAI
- 29 Proliferation of *Toxoplasma gondii* (RH strain) is inhibited by the combination of pravastatin and simvastatin with low concentrations of conventional drugs used in toxoplasmosis
RAQUEL ARRUDA SANFELICE, LARISSA RODRIGUES BOSQUI, SUELEN SANTOS DA SILVA, MILENA MENEGAZZO MIRANDA-SAPLA, LUCIANO APARECIDO PANAGIO, ITALMAR TEODORICO NAVARRO, IVETE CONCHON-COSTA, WANDER ROGÉRIO PAVANELLI, RICARDO SERGIO ALMEIDA and IDESSANIA NAZARETH COSTA
- 34 miR-214 and miR-126 were associated with restoration of endothelial function in obesity after exercise and dietary intervention
SHEN WANG, JINGWEN LIAO, JUNHAO HUANG, HONGGANG YIN, WEIYUE YANG and MIN HU
- 40 A novel algorithm for identifying risk factors for rare events: Predicting transient ischemic attack in young patients with low-risk atrial fibrillation
CHIEH-YU LIU and HUI-CHUN CHEN
- 46 DMH4, a VEGFR2 inhibitor, effectively suppresses growth and invasion of lung cancer cells
HAO LI, HELEN L. HA, XIAOXU DING, CHAY BAE, NICKY GAZY, JIJUN HAO and LI ZHONG
- 51 Biomechanical evaluation of human lumbar spine in spondylolisthesis
KAMIL JOSZKO, MAREK GZIK, WOJCIECH WOLAŃSKI, BOŽENA GZIK-ZROSKA and EDYTA KAWLEWSKA
- 59 Antibacterial and cytotoxicity effects of biogenic palladium nanoparticles synthesized using fruit extract of *Couroupita guianensis* Aubl.
SATHISHKUMAR GNANASEKAR, JEYARAJ MURUGARAJ, BALAKRISHNAN DHIVYABHARATHI, VARUNKUMAR KRISHNAMOORTHY, PRADEEP K JHA, PRABUKUMAR SEETHARAMAN, RAVIKUMAR VILWANATHAN and SIVARAMAKRISHNAN SIVAPERUMAL
- 66 DNA repair inhibitors as radiosensitizers in human lung cells
KAMILA ĎURIŠOVÁ, LUCIE ČECHÁKOVÁ, PETR JOŠT, ZUZANA ŠINKOROVÁ, ADÉLA KMOCHOVÁ, JAROSLAV PEJCHAL, MARTIN ONDREJ, JIŘINA VÁVROVÁ and ALEŠ TICHÝ
- 75 Apigenin inhibits ethanol-induced oxidative stress and LPS-induced inflammatory cytokine production in cultured rat hepatocytes
FENG WANG, RUI-JUN ZHOU, XI ZHAO, HUA YE and MEI-LIN XIE