

# Contents

About the Special Issue Editor	vii
<b>Joen-Rong Sheu</b>	
Molecular Pharmacology and Pathology of Strokes	
Reprinted from: <i>Int. J. Mol. Sci.</i> <b>2018</b> , <i>19</i> , 4103, doi:10.3390/ijms19124103	1
<b>Li-Ming Lien, Kuan-Hung Lin, Li-Ting Huang, Mei-Fang Tseng, Hou-Chang Chiu, Ray-Jade Chen and Wan-Jung Lu</b>	
Licochalcone A Prevents Platelet Activation and Thrombus Formation through the Inhibition of PLC $\gamma$ 2-PKC, Akt, and MAPK Pathways	
Reprinted from: <i>Int. J. Mol. Sci.</i> <b>2017</b> , <i>18</i> , 1500, doi:10.3390/ijms18071500	5
<b>Chih-Wei Hsia, Marappan Velusamy, Jeng-Ting Tsao, Chih-Hsuan Hsia, Duen-Suey Chou, Thanasekaran Jayakumar, Lin-Wen Lee, Jiun-Yi Li and Joen-Rong Sheu</b>	
New Therapeutic Agent against Arterial Thrombosis: An Iridium(III)-Derived Organometallic Compound	
Reprinted from: <i>Int. J. Mol. Sci.</i> <b>2017</b> , <i>18</i> , 2616, doi:10.3390/ijms18122616	21
<b>Piotr K. Janicki, Ceren Eyileten, Victor Ruiz-Velasco, Khaled Anwar Sedeek, Justyna Pordzik, Anna Czlonkowska, Iwona Kurkowska-Jastrzebska, Shigekazu Sugino, Yuka Imamura-Kawasawa, Dagmara Mirowska-Guzel and Marek Postula</b>	
Population-Specific Associations of Deleterious Rare Variants in Coding Region of P2RY1–P2RY12 Purinergic Receptor Genes in Large-Vessel Ischemic Stroke Patients	
Reprinted from: <i>Int. J. Mol. Sci.</i> <b>2017</b> , <i>18</i> , 2678, doi:10.3390/ijms18122678	37
<b>Ting-Lin Yen, Chao-Chien Chang, Chi-Li Chung, Wen-Chin Ko, Chih-Hao Yang and Cheng-Ying Hsieh</b>	
Neuroprotective Effects of Platonin, a Therapeutic Immunomodulating Medicine, on Traumatic Brain Injury in Mice after Controlled Cortical Impact	
Reprinted from: <i>Int. J. Mol. Sci.</i> <b>2018</b> , <i>19</i> , 1100, doi:10.3390/ijms19041100	49
<b>A Ra Kho, Bo Young Choi, Song Hee Lee, Dae Ki Hong, Sang Hwon Lee, Jeong Hyun Jeong, Kyoung-Ha Park, Hong Ki Song, Hui Chul Choi and Sang Won Suh</b>	
Effects of Protocatechuic Acid (PCA) on Global Cerebral Ischemia-Induced Hippocampal Neuronal Death	
Reprinted from: <i>Int. J. Mol. Sci.</i> <b>2018</b> , <i>19</i> , 1420, doi:10.3390/ijms19051420	63
<b>Thanasekaran Jayakumar, Chia-Yuan Hsu, Themmila Khamrang, Chih-Hsuan Hsia, Chih-Wei Hsia, Manjunath Manubolu and Joen-Rong Sheu</b>	
Possible Molecular Targets of Novel Ruthenium Complexes in Antiplatelet Therapy	
Reprinted from: <i>Int. J. Mol. Sci.</i> <b>2018</b> , <i>19</i> , 1818, doi:10.3390/ijms19061818	82
<b>In-Ae Choi, Cheol Soon Lee, Hahn Young Kim, Dong-Hee Choi and Jongmin Lee</b>	
Effect of Inhibition of DNA Methylation Combined with Task-Specific Training on Chronic Stroke Recovery	
Reprinted from: <i>Int. J. Mol. Sci.</i> <b>2018</b> , <i>19</i> , 2019, doi:10.3390/ijms19072019	94
<b>Ami P. Raval, Marc Schatz, Pallab Bhattacharya, Nathan d'Adesky, Tatjana Rundek, Dalton Dietrich and Helen M. Bramlett</b>	
Whole Body Vibration Therapy after Ischemia Reduces Brain Damage in Reproductively Senescent Female Rats	
Reprinted from: <i>Int. J. Mol. Sci.</i> <b>2018</b> , <i>19</i> , 2749, doi:10.3390/ijms19092749	113

Chih-Hao Yang, Chih-Wei Hsia, Thanasekaran Jayakumar, Joen-Rong Sheu, Chih-Hsuan Hsia, Themmila Khamrang, Yen-Jen Chen, Manjunath Manubolu and Yi Chang

Structure–Activity Relationship Study of Newly Synthesized Iridium-III Complexes as Potential Series for Treating Thrombotic Diseases

Reprinted from: *Int. J. Mol. Sci.* **2018**, *19*, 3641, doi:10.3390/ijms19113641 . . . . . 125