# Original Research Articles

1. MASP-2 and MASP-3 inhibitors block complement activation, inflammation, and microvascular stasis in a murine model of vaso-occlusion in sickle cell disease
   - John D. Belcher, Julia Nguyen, Chunsheng Chen, Fuad Abdulla, Ruan Conglin, Zalaya K. Ivy, Jason Cummings, Thomas Dudley, and Gregory M. Vercellotti, Minneapolis, Minnesota, and Seattle, Washington

13. A modified porous silicon microparticle potentiates protective systemic and mucosal immunity for SARS-CoV-2 subunit vaccine
   - Awadalkareem Adam, Qing Shi, Binbin Wang, Jing Zou, Junhua Mai, Samantha R Osman, Wenzhe Wu, Xuping Xie, Patricia V. Aguilar, Xiaoyang Bao, Pei-Yong Shi, Haifa Shen, and Tian Wang, Galveston, and Houston, Texas

28. Cyclic constrained immunoreactive peptides from crucial *P. falciparum* proteins: potential implications in malaria diagnostics
   - Kapil Vashisth, Sukrit Srivastava, Vandana Vandana, Ram Das, Supriya Sharma, Nitin Bhardwaj, Anupkumar R. Anvikar, Susheel Kumar Singh, Tong-Soo Kim, Byoung-Kuk Na, Ho-Joon Shin, and Kailash C. Pandey, Delhi, Uttar Pradesh, and Bhubaneshwar, India, and Incheon, Jinju, and Suwon, South Korea

37. Reassessment of mitochondrial cyclophilin D as a target for improving cardiac arrest outcomes in the era of therapeutic hypothermia
   - Vincent Jahandiez, Bruno Pilot, Gabriel Bidaux, Radu Bolbos, Neven Stevic, Marlene Wlart, Michel Ovize, Laurent Argaud, and Martin Cour, Lyon, and Bron, France

49. Discovery of CC-99677, a selective targeted covalent MAPKAPK2 (MK2) inhibitor for autoimmune disorders

74. c-Abl tyrosine kinase inhibition attenuates oxidative stress-induced pancreatic β-Cell dysfunction via glutathione antioxidant system
   - Udayakumar Karunakaran, Suma Bumalai, Jun Sung Moon, and Kyu Chang Won, Daegu, Republic of Korea

88. Associations between local acidosis induced by renal LDHA and renal fibrosis and mitochondrial abnormalities in patients with diabetic kidney disease
   - Dae-Yeon Lee, Ji-Yeon Kim, Eunyong Ahn, Jin Seong Hyeon, Gyu-Hee Kim, Keon-Jae Park, Youngae Jung, Yoo-Jeong LEE, Mi Kyung Son, Seung Woo Kim, Sang Youb Han, Jae-Hong Kim, Gu Seob Roh, Dae Ryong Cha, Guem-Sook Hwang, and Won-Ho Kim, Cheongju, Jinju, Seoul, Goyang, and Ansan, Republic of Korea

110. Epigenetically-regulated miR-30a/c-5p directly target TWF1 and hamper ccRCC cell aggressiveness

# Review Article

128. Recent advances in the development of transplanted colorectal cancer mouse models
   - Yu-Shen Yang, Chu-Yun Liu, Dan Wen, Da-Zhi Gao, Shu Lin, He-fan He, and Xue-Feng Zhao, Quanzhou, and Dalian, China, and Darlinghurst, Sydney, NSW, Australia

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