



TRANSLATIONAL RESEARCH

The Journal of Laboratory and Clinical Medicine

TABLE OF CONTENTS

VOLUME 249, November 2022

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, Zelaya K. Ivy, Jason Cummings, Thomas Dudler, 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, Xiaoyong 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 Vashisht, 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 Kallash 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 Pillot, Gabriel Bidaux, Radu Bolbos, Neven Stevic, Marlene Wiart, 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
John Malona, Claudio Chuaqui, Boris M. Seletsky, Lisa Beebe, Susan Cantin, Daniel Van Kalken, Kelly Fahnoe, Zhigang Wang, Beth Browning, Hilary Szabo, Louise A. Koopman, Tamas Oravecz, Joseph J. McDonald, Francisco Ramirez-Valle, Rajula Gaur, Kofi A. Mensah, Michael Thomas, Jamie N. Connam, Haiqing Hu, Matthew D. Alexander, and Alan F. Corin, Princeton, New Jersey
- 74 c-Abl tyrosine kinase inhibition attenuate oxidative stress-induced pancreatic β -Cell dysfunction via glutathione antioxidant system
Udayakumar Karunakaran, Suma Elumalai, 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 Kyoung Son, Seung Woo Kim, Sang Youb Han, Jae-Hong Kim, Gu Seob Roh, Dae Ryong Cha, Geum-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
Gonçalo Outeiro-Pinho, Daniela Barros-Silva, Filipa Moreira-Silva, João Lobo, Isa Carneiro, António Morais, Eduarda P. Martins, Céline S. Gonçalves, Bruno M. Costa, Margareta P. Correia, Rui Henrique, and Carmen Jerónimo, Porto, and Braga, Portugal

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

Reader Services

- A5** Author Guidelines
C3 Information for Readers

Visit our website at www.translationalres.com