

Stanford

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STANFORD ADVISORS

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Publications

PUBLICATIONS

- Environmental Microcystin exposure in underlying NAFLD-induced exacerbation of neuroinflammation, blood-brain barrier dysfunction, and neurodegeneration are NLRP3 and S100B dependent. *Toxicology*
Mondal, A., Saha, P., Bose, D., Chatterjee, S., Seth, R. K., Xiao, S., Porter, D. E., Brooks, B. W., Scott, G. I., Nagarkatti, M., Nagarkatti, P., Chatterjee, S. 2021; 461: 152901
- Higher intestinal and circulatory lactate associated NOX2 activation leads to an ectopic fibrotic pathology following microcystin co-exposure in murine fatty liver disease *COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY C-TOXICOLOGY & PHARMACOLOGY*
Sarkar, S., Saha, P., Seth, R. K., Mondal, A., Bose, D., Kimono, D., Albadrani, M., Mukherjee, A., Porter, D. E., Scott, G. I., Xiao, S., Brooks, B., Ferry, et al 2020; 238: 108854
- Obesity Worsens Gulf War Illness Symptom Persistence Pathology by Linking Altered Gut Microbiome Species to Long-Term Gastrointestinal, Hepatic, and Neuronal Inflammation in a Mouse Model. *Nutrients*
Bose, D., Saha, P., Mondal, A., Fanelli, B., Seth, R. K., Janulewicz, P., Sullivan, K., Lasley, S., Horner, R., Colwell, R. R., Shetty, A. K., Klimas, N., Chatterjee, et al 2020; 12 (9)
- TLR Antagonism by Sparstololin B Alters Microbial Signature and Modulates Gastrointestinal and Neuronal Inflammation in Gulf War Illness Preclinical Model *BRAIN SCIENCES*
Bose, D., Mondal, A., Saha, P., Kimono, D., Sarkar, S., Seth, R. K., Janulewicz, P., Sullivan, K., Horner, R., Klimas, N., Nagarkatti, M., Nagarkatti, P., Chatterjee, et al 2020; 10 (8)
- Lipocalin 2 induces neuroinflammation and blood-brain barrier dysfunction through liver-brain axis in murine model of nonalcoholic steatohepatitis. *Journal of neuroinflammation*
Mondal, A., Bose, D., Saha, P., Sarkar, S., Seth, R., Kimono, D., Albadrani, M., Nagarkatti, M., Nagarkatti, P., Chatterjee, S. 2020; 17 (1): 201
- Gut DNA Virome Diversity and Its Association with Host Bacteria Regulate Inflammatory Phenotype and Neuronal Immunotoxicity in Experimental Gulf War Illness. *Viruses*
Seth, R. K., Maqsood, R., Mondal, A., Bose, D., Kimono, D., Holland, L. A., Janulewicz Lloyd, P., Klimas, N., Horner, R. D., Sullivan, K., Lim, E. S., Chatterjee, S. 2019; 11 (10)
- Acinetobacter baumannii transfers the blaNDM-1 gene via outer membrane vesicles. *The Journal of antimicrobial chemotherapy*
Chatterjee, S., Mondal, A., Mitra, S., Basu, S. 2017; 72 (8): 2201-2207
- Cytotoxic and Inflammatory Responses Induced by Outer Membrane Vesicle-Associated Biologically Active Proteases from *Vibrio cholerae*. *Infection and immunity*
Mondal, A., Tapader, R., Chatterjee, N. S., Ghosh, A., Sinha, R., Koley, H., Saha, D. R., Chakrabarti, M. K., Wai, S. N., Pal, A.

