

Ayan Mondal

Basic Life Research Scientist, Pediatrics - Immunology

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 Sparstolonin 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.
2016; 84 (5): 1478-1490