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Bio

INSTITUTE AFFILIATIONS

- Member, Maternal & Child Health Research Institute (MCHRI)

Publications

PUBLICATIONS

- **Embracing Interpersonal Variability of Microbiome in Precision Medicine** *PHENOMICS*
Zhou, X., Chen, X., Davis, M. M., Snyder, M. P.
2025
- **Embracing Interpersonal Variability of Microbiome in Precision Medicine.** *Phenomics (Cham, Switzerland)*
Zhou, X., Chen, X., Davis, M. M., Snyder, M. P.
2025; 5 (1): 8-13
- **Differential roles of human CD4+ and CD8+ regulatory T cells in controlling self-reactive immune responses.** *Nature immunology*
Chen, X., Ghanizada, M., Mallajosyula, V., Sola, E., Capasso, R., Kathuria, K. R., Davis, M. M.
2025
- **Organophosphate ester flame retardant chemicals and maternal depression during pregnancy** *Environmental Research*
Hernandez-Castro, I., Eckel, S. P., Howe, C. G., Aung, M. T., Kannan, K., Robinson, M., Foley, H. B., Yang, T., Vigil, M. J., Chen, X., Grubbs, B., Al-Marayati, L., Toledo-Corral, et al
2024
- **RNA-seq based transcriptome analysis of murine macrophages RAW264.7 treated with multi-herbal extracts reveals immunomodulatory potential and mechanism** *FOOD AND AGRICULTURAL IMMUNOLOGY*
Jin, M., Chen, X., Wu, Q., Guo, Z., Zhang, R., Jiang, Y., Li, X., Zhang, L., Wang, Y., Zhou, X.
2023; 34 (1): 21-35
- **RNA-seq analysis reveals an immunomodulatory peptide from highland barley activating RAW264.7 macrophages via TNF/NF- κ B signaling pathway.** *Functional & integrative genomics*
Liu, Y., Chen, X., Yang, J. Y., Guo, Z. J., Wu, Q., Zhang, L. D., Zhou, X. W.
2023; 23 (3): 253
- **A TLR7-nanoparticle adjuvant promotes a broad immune response against heterologous strains of influenza and SARS-CoV-2.** *Nature materials*
Yin, Q., Luo, W., Mallajosyula, V., Bo, Y., Guo, J., Xie, J., Sun, M., Verma, R., Li, C., Constantz, C. M., Wagar, L. E., Li, J., Sola, et al
2023
- **N-Glycosylated Ganoderma lucidum immunomodulatory protein improved anti-inflammatory activity via inhibition of the p38 MAPK pathway.** *Food & function*
Li, Q. Z., Chen, X., Mao, P. W., Jin, M. Y., Wu, Q., Zhou, X. W.

2021; 12 (8): 3393-3404

- **The Impact of SARS-CoV-2 on the Human Immune System and Microbiome** *INFECTIOUS MICROBES & DISEASES*

Wang, C., Zhou, X., Wang, M., Chen, X.

2021; 3 (1): 14-21

- **The Impact of SARS-CoV-2 on the Human Immune System and Microbiome.** *Infectious microbes & diseases*

Wang, C., Zhou, X., Wang, M., Chen, X.

2021; 3 (1): 14-21