

Malaya Kumar Sahoo

Basic Life Res Scientist, Pathology Sponsored Projects

Bio

CURRENT ROLE AT STANFORD

Basic Life Science Research Scientist

Lab manager

EDUCATION AND CERTIFICATIONS

- PhD, Central Drug Research Institute, Lucknow, India and, Jawaharlal Nehru University, New Delhi, India , Life Sciences (2010)

Publications

PUBLICATIONS

- **A 20-Gene Set Predictive of Progression to Severe Dengue.** *Cell reports*
Robinson, M., Sweeney, T. E., Barouch-Bentov, R., Sahoo, M. K., Kalesinskas, L., Vallania, F., Sanz, A. M., Ortiz-Lasso, E., Albornoz, L. L., Rosso, F., Montoya, J. G., Pinsky, B. A., Khatri, et al
2019; 26 (5): 1104
- **Virus-inclusive single-cell RNA sequencing reveals the molecular signature of progression to severe dengue.** *Proceedings of the National Academy of Sciences of the United States of America*
Zanini, F., Robinson, M. L., Croote, D., Sahoo, M. K., Sanz, A. M., Ortiz-Lasso, E., Albornoz, L. L., Rosso, F., Montoya, J. G., Goo, L., Pinsky, B. A., Quake, S. R., Einav, et al
2018
- **Detection of Emerging Vaccine-Related Polioviruses by Deep Sequencing.** *Journal of clinical microbiology*
Sahoo, M. K., Holubar, M., Huang, C., Mohamed-Hadley, A., Liu, Y., Waggoner, J. J., Troy, S. B., Garcia-Garcia, L., Ferreyra-Reyes, L., Maldonado, Y., Pinsky, B. A.
2017
- **Diagnosis of Zika virus infection on a nanotechnology platform.** *Nature medicine*
Zhang, B., Pinsky, B. A., Ananta, J. S., Zhao, S., Arulkumar, S., Wan, H., Sahoo, M. K., Abeynayake, J., Waggoner, J. J., Hopes, C., Tang, M., Dai, H.
2017
- **Limited Variation in BK Virus T-Cell Epitopes Revealed by Next-Generation Sequencing.** *Journal of clinical microbiology*
Sahoo, M. K., Tan, S. K., Chen, S. F., Kapusinszky, B., Concepcion, K. R., Kjelson, L., Mallempati, K., Farina, H. M., Fernández-Viña, M., Tyan, D., Grimm, P. C., Anderson, M. W., Concepcion, et al
2015; 53 (10): 3226-3233
- **Detection of cytomegalovirus drug resistance mutations by next-generation sequencing.** *Journal of clinical microbiology*
Sahoo, M. K., Lefterova, M. I., Yamamoto, F., Waggoner, J. J., Chou, S., Holmes, S. P., Anderson, M. W., Pinsky, B. A.
2013; 51 (11): 3700-3710
- **A comprehensive analysis of RHOA mutation positive and negative angioimmunoblastic T-cell lymphomas by targeted deep sequencing, expression profiling and single cell digital image analysis.** *International journal of molecular medicine*
Butzmann, A., Sridhar, K., Jangam, D., Kumar, J., Sahoo, M. K., Shahmarvand, N., Warnke, R., Rangasamy, E., Pinsky, B. A., Ohgami, R. S.
2020
- **A 20-Gene Set Predictive of Progression to Severe Dengue** *CELL REPORTS*

- Robinson, M., Sweeney, T. E., Barouch-Bentov, R., Sahoo, M., Kalesinskas, L., Vallania, F., Maria Sanz, A., Ortiz-Lasso, E., Luis Albornoz, L., Rosso, F., Montoya, J. G., Pinsky, B. A., Khatri, et al
2019; 26 (5): 1104+
- **Metagenomic DNA Sequencing for the Diagnosis of Intraocular Infections.** *Ophthalmology*
Doan, T., Acharya, N. R., Pinsky, B. A., Sahoo, M. K., Chow, E. D., Banaei, N., Budvytiene, I., Cevallos, V., Zhong, L., Zhou, Z., Lietman, T. M., DeRisi, J. L.
2017
 - **Stability of Zika Virus in Urine: Specimen Processing Considerations and Implications for the Detection of RNA Targets in Urine.** *Journal of virological methods*
Tan, S. K., Sahoo, M. K., Milligan, S., Taylor, N., Pinsky, B. A.
2017
 - **Calibration of BK Virus Nucleic Acid Amplification Testing to the 1st WHO International Standard for BK Virus.** *Journal of clinical microbiology*
Tan, S. K., Milligan, S., Sahoo, M. K., Taylor, N., Pinsky, B. A.
2017; 55 (3): 923-930
 - **T cells expand after solid organ transplantation in the absence of CMV disease.** *American journal of transplantation*
Higdon, L. E., Trofe-Clark, J., Liu, S., Margulies, K. B., Sahoo, M. K., Blumberg, E., Pinsky, B. A., Maltzman, J. S.
2017
 - **Homotypic Dengue Virus Reinfections in Nicaraguan Children.** *journal of infectious diseases*
Waggoner, J. J., Balmaseda, A., Gresh, L., Sahoo, M. K., Montoya, M., Wang, C., Abeynayake, J., Kuan, G., Pinsky, B. A., Harris, E.
2016; 214 (7): 986-993
 - **Evaluation of the Aptima HIV-1 Quant Dx Assay Using Plasma and Dried Blood Spots.** *Journal of clinical microbiology*
Sahoo, M. K., Varghese, V., White, E., Winslow, M., Katzenstein, D. A., Shafer, R. W., Pinsky, B. A.
2016; 54 (10): 2597-2601
 - **Viremia and Clinical Presentation in Nicaraguan Patients Infected with Zika Virus, Chikungunya Virus, and Dengue Virus.** *Clinical infectious diseases*
Waggoner, J. J., Gresh, L., Vargas, M. J., Ballesteros, G., Tellez, Y., Soda, K. J., Sahoo, M. K., Nuñez, A., Balmaseda, A., Harris, E., Pinsky, B. A.
2016
 - **Single-Reaction Multiplex Reverse Transcription PCR for Detection of Zika, Chikungunya, and Dengue Viruses** *EMERGING INFECTIOUS DISEASES*
Waggoner, J. J., Gresh, L., Mohamed-Hadley, A., Ballesteros, G., Vargas Davila, M. J., Tellez, Y., Sahoo, M. K., Balmaseda, A., Harris, E., Pinsky, B. A.
2016; 22 (7): 1295-1297
 - **Clinical evaluation of a single-reaction real-time RT-PCR for pan-dengue and chikungunya virus detection** *JOURNAL OF CLINICAL VIROLOGY*
Waggoner, J. J., Ballesteros, G., Gresh, L., Mohamed-Hadley, A., Tellez, Y., Sahoo, M. K., Abeynayake, J., Balmaseda, A., Harris, E., Pinsky, B. A.
2016; 78: 57-61
 - **Analytical Performance Characteristics of the Cepheid GeneXpert Ebola Assay for the Detection of Ebola Virus** *PLOS ONE*
Pinsky, B. A., Sahoo, M. K., Sandlund, J., Kleman, M., Kulkarni, M., Grufman, P., Nygren, M., Kwiatkowski, R., Baron, E. J., Tenover, F., Denison, B., Higuchi, R., van Atta, et al
2015; 10 (11)
 - **Reverse-Transcriptase PCR Detection of Leptospira: Absence of Agreement with Single-Specimen Microscopic Agglutination Testing** *PLOS ONE*
Waggoner, J. J., Balassiano, I., Mohamed-Hadley, A., Vital-Brazil, J. M., Sahoo, M. K., Pinsky, B. A.
2015; 10 (7)
 - **Reverse-Transcriptase PCR Detection of Leptospira: Absence of Agreement with Single-Specimen Microscopic Agglutination Testing.** *PloS one*
Waggoner, J. J., Balassiano, I., Mohamed-Hadley, A., Vital-Brazil, J. M., Sahoo, M. K., Pinsky, B. A.
2015; 10 (7)
 - **Sensitive Real-Time PCR Detection of Pathogenic Leptospira spp. and a Comparison of Nucleic Acid Amplification Methods for the Diagnosis of Leptospirosis** *PLOS ONE*
Waggoner, J. J., Balassiano, I., Abeynayake, J., Sahoo, M. K., Mohamed-Hadley, A., Liu, Y., Vital-Brazil, J. M., Pinsky, B. A.
2014; 9 (11)
 - **Commutability of the Epstein-Barr Virus WHO International Standard across Two Quantitative PCR Methods** *JOURNAL OF CLINICAL MICROBIOLOGY*

- Abeynayake, J., Johnson, R., Libiran, P., Sahoo, M. K., Cao, H., Bowen, R., Chan, K. C., Quynh-Thu Le, Q. T., Pinsky, B. A.
2014; 52 (10): 3802-3804
- **Encephalitis caused by chikungunya virus in a traveler from the kingdom of tonga.** *Journal of clinical microbiology*
Nelson, J., Waggoner, J. J., Sahoo, M. K., Grant, P. M., Pinsky, B. A.
2014; 52 (9): 3459-3461
 - **Improved detection of emerging drug-resistant mutant cytomegalovirus subpopulations by deep sequencing.** *Antimicrobial agents and chemotherapy*
Chou, S., Ercolani, R. J., Sahoo, M. K., Lefterova, M. I., Strasfeld, L. M., Pinsky, B. A.
2014; 58 (8): 4697-4702
 - **Multiplex nucleic Acid amplification test for diagnosis of dengue Fever, malaria, and leptospirosis.** *Journal of clinical microbiology*
Waggoner, J. J., Abeynayake, J., Balassiano, I., Lefterova, M., Sahoo, M. K., Liu, Y., Vital-Brazil, J. M., Gresh, L., Balmaseda, A., Harris, E., Banaci, N., Pinsky, B. A.
2014; 52 (6): 2011-2018
 - **Human Papilloma Virus is not Prevalent in Nevus Sebaceus** *PEDIATRIC DERMATOLOGY*
Kim, D., Benjamin, L. T., Sahoo, M. K., Kim, J., Pinsky, B. A.
2014; 31 (3): 326-330
 - **BK Polyomavirus Subtype III in a Pediatric Renal Transplant Patient with Nephropathy.** *Journal of clinical microbiology*
Kapusinszky, B., Chen, S. F., Sahoo, M. K., Lefterova, M. I., Kjelson, L., Grimm, P. C., Kambham, N., Concepcion, W., Pinsky, B. A.
2013; 51 (12): 4255-4258
 - **Comparison of the FDA-Approved CDC DENV-1-4 Real-Time Reverse Transcription-PCR with a Laboratory-Developed Assay for Dengue Virus Detection and Serotyping.** *Journal of clinical microbiology*
Waggoner, J. J., Abeynayake, J., Sahoo, M. K., Gresh, L., Tellez, Y., Gonzalez, K., Ballesteros, G., Guo, F. P., Balmaseda, A., Karunaratne, K., Harris, E., Pinsky, B. A.
2013; 51 (10): 3418-3420
 - **Development of an internally controlled real-time reverse transcriptase PCR assay for pan-dengue virus detection and comparison of four molecular dengue virus detection assays.** *Journal of clinical microbiology*
Waggoner, J. J., Abeynayake, J., Sahoo, M. K., Gresh, L., Tellez, Y., Gonzalez, K., Ballesteros, G., Balmaseda, A., Karunaratne, K., Harris, E., Pinsky, B. A.
2013; 51 (7): 2172-2181
 - **Single-reaction, multiplex, real-time rt-PCR for the detection, quantitation, and serotyping of dengue viruses.** *PLoS neglected tropical diseases*
Waggoner, J. J., Abeynayake, J., Sahoo, M. K., Gresh, L., Tellez, Y., Gonzalez, K., Ballesteros, G., Pierro, A. M., Gaibani, P., Guo, F. P., Sambri, V., Balmaseda, A., Karunaratne, et al
2013; 7 (4): e2116
 - **Comparison of Xpert Flu rapid nucleic acid testing with rapid antigen testing for the diagnosis of influenza A and B** *JOURNAL OF VIROLOGICAL METHODS*
DiMaio, M. A., Sahoo, M. K., Waggoner, J., Pinsky, B. A.
2012; 186 (1-2): 137-140