

Potential Research Priorities to Inform Readiness and Response to Highly Pathogenic Avian Influenza A (H5N1): A Workshop

Workshop Resources Shared by Invited Speakers

- A One Health Investigation into H5N1 Avian Influenza Virus Epizootics on Two Dairy Farms. Shittu, I., Silva, D., Oguzie, J., Marushchak, L., Olinger, G., Lednicky, J., Trujillo-Vargas, C., Schneider, N., Hao, H., Gray, G., medRxiv. 2024. [LINK](#)
- Avian Influenza A(H5N1) Virus among Dairy Cattle, Texas, USA. Oguzie, J.U., Marushchak, L.V., Shittu, I., Lednicky, J.A., Miller, A.L., Hao, H., et al. Emerg Infect Dis. 2024; 30(7):1425-1429. [LINK](#)
- CDC Probes If Bird Flu Mutations Impact Vaccine Stockpile. Griffin, R., Bloomberg Article. October 11, 2024. [LINK](#)
- Deep Mutational Scanning of H5 Influenza HA: Overview Webpage. [LINK](#)
- Ecological Countermeasures to Prevent Pathogen Spillover and Subsequent Pandemics. Plowright, R., Ahmed, A., Coulson, T., Cowther, T., Ejotre, I., Faust, C., et al. Nature Communications. 2024; 15(2577). [LINK](#)
- Experimental Reproduction of Viral Replication and Disease in Dairy Valces and Lactating Cows Inoculated with Highly Pathogenic Avian Influenza H5N1 Clade. Baker, A., Arruda, B., Palmer, M., Boggiatto, P., Sarlo Davila, K., et al. bioRxiv. 2024. [LINK](#)
- High Prevalence of Highly Pathogenic Avian Influenza: A Virus in Vietnam's Live Bird Markets. Tung Dao, D. Coleman, K., Bui, V., Bui, A., Tran, L., Nguyen, Q., et al. Open Forum Infectious Diseases. 2024; 11 (7). [LINK](#)
- Land Use-Induced Spillover: A Call to Action to Safeguard Environmental, Animal, and Human Health. Plowright, R., Reaser, J., Locke, H., Woodley, S., Patz, J., Becker, D., et al. The Lancet. 2021; 5(4): E237-E245. [LINK](#)
- Mitigating Future Respiratory Virus Pandemics: New Threats and Approaches to Consider. Gray, G., Robie, E., Studstill, C., Nunn, C., Viruses. 2021; 13(4): 637. [LINK](#)
- Pathogen Spillover Driven by Rapid Changes in Bat Ecology. Eby, P., Peel, A., Hoegh, A., Madden, W., Giles, J., Hudson, P., Plowright, R., Nature. 2023; 340-344: 613. [LINK](#)
- Pathways to Zoonotic Spillover. Plowright, R., Parrish, C., McCallum, H., Hudson, P., Ko, A., Graham, A., Lloyd-Smith, J., Nature Reviews Microbiology. 2017; 15: 502-510. [LINK](#)
- Sequencing-Based Detection of Avian Influenza A(H5N1) Virus in Wastewater in Ten Cities. Tisza, M., Hanson, B., Clark, J., Wang, L., Payne, K., Ross, M., et al. New England Journal of Medicine. 2024; 391(12): 1157-1159. [LINK](#)
- Threatened by many complex food security problems - agriculture, academic, and government professionals seek new one health research partnerships. Gray, G., Nguyen-Tien, T., One Health. 2024; 19. [LINK](#)
- Wastewater Pandemic Preparedness: Towards an End-to-End Pathogen Monitoring Program. Clark, J., Terwilliger, A., Avadhanula, V., Tisza, M., Cormier, J., Javornik-Cregeen, S., et al. Front. Public Health. 2023; 11:1137881. [LINK](#)
- Wastewater Sequencing Reveals Community and Variant Dynamics of the Collective Human Virome. Tisza, M., Javornik Cregeen, S., Avadhanula, V. et al. Nat Commun. 2023; 14: 6878. [LINK](#)