

## Taylor Pursell

- Postdoctoral Scholar, Pathology
- Ph.D. Student in Microbiology and Immunology, admitted Autumn 2020

### Publications

---

#### PUBLICATIONS

- **Immunoglobulin heavy chain locus duplication in bats**  
Pursell, T., Reers, A., Mikelov, A., Kotagiri, P., Lam, B., Ellison, J., Hutson, C., Boyd, S., Frank, H.  
OXFORD UNIV PRESS.2025
- **Childhood immunological imprinting of cross-subtype antibodies targeting the hemagglutinin head domain of influenza viruses.** *Cell host & microbe*  
Li, S. H., Wang, B., Jo, G., Mikelov, A., Atkinson, R. K., Le Sage, V., Furey, C., Ort, J. T., Ye, N., Gang, S., Shah, R., Santos, J. J., Röltgen, et al  
2026
- **Multiplexed antigen panel analysis identifies B cell phenotype and receptor genetic contributions to antibody breadth.** *Immunity*  
Wirz, O. F., Kotagiri, P., Haraguchi, E., Röltgen, K., Hunter, M., Craig, E., Afaghani, J., Lee, J. Y., Nielsen, S. C., Hoh, R. A., Pursell, T., Arunachalam, P. S., Manohar, et al  
2026
- **Immunoglobulin germline reference sequences enable investigations and reveal insights into bat-specific immunity** *ISCIENCE*  
Reers, A. B., Zhan, S., Pursell, T., Reasoner, C., Hodges, N., Lama, T. M., Schountz, T., Frank, H. K.  
2025; 28 (12)
- **Immunoglobulin germline reference sequences enable investigations and reveal insights into bat-specific immunity.** *iScience*  
Reers, A. B., Zhan, S., Pursell, T., Reasoner, C., Hodges, N., Lama, T. M., Schountz, T., Frank, H. K.  
2025; 28 (12): 113903
- **Drivers of differential antibody breadth in SARS-CoV-2 mRNA vaccination and infection**  
Fabian Wirz, O., Kotagiri, P., Haraguchi, E., Röltgen, K., Hunter, M., Craig, E., Afaghani, J., Lee, J., Nielsen, S. C. A., Hoh, R. A., Pursell, T., Arunachalam, P. S., Chang, et al  
OXFORD UNIV PRESS.2025
- **Convergent Features and Cross-reactivity Patterns in Human Memory B-cell Repertoires Against Seasonal and Avian Influenza Strains**  
Mikelov, A., Pursell, T., Lam, B., Röltgen, K., Li, S., Lee, J., Santos, J. J. S., Hensley, S. E., Boyd, S. D.  
OXFORD UNIV PRESS.2025
- **NOVEL DIAGNOSTIC AND THERAPEUTIC APPROACHES TO ELEPHANT ENDOTHELIO TROPIC HERPESVIRUS 1A HEMORRHAGIC DISEASE IN A CAPTIVE JUVENILE ASIAN ELEPHANT (ELEPHAS MAXIMUS)** *JOURNAL OF ZOO AND WILDLIFE MEDICINE*  
Iyer, M. L., Molter, C. M., Flanagan, J. P., Bauer, K. L., Bernardy, R., Hoffman, D., Parkinson, L., Brainard, B. M., Evans, T., Pursell, T., Ling, P. D.  
2022; 53 (1): 232-240
- **Modified vaccinia Ankara expressing EEHV1A glycoprotein B elicits humoral and cell-mediated immune responses in mice** *PLOS ONE*  
Pursell, T., Clinton, J., Tan, J., Peng, R., Ling, P. D.  
2022; 17 (3): e0265424