**List of Publications for Module 2: Systems Immunology: Theory, Methodology & Prospects**

1. Querec, T. D., Akondy, R. S., Lee, E. K., Cao, W., Nakaya, H. I., Teuwen, D., Pirani, A., Gernert, K., Deng, J., Marzolf, B., Kennedy, K., Wu, H., Bennouna, S., Oluoch, H., Miller, J., Vencio, R. Z., Mulligan, M., Aderem, A., Ahmed, R., & Pulendran, B. (2009). Systems biology approach predicts immunogenicity of the yellow fever vaccine in humans. Nature Immunology, 10(1), 116-125. doi: 10.1038/ni.1688
2. Nakaya, H. I., Wrammert, J., Lee, E. K., Racioppi, L., Marie-Kunze, S., Haining, W. N., Means, A. R., Kasturi, S. P., Khan, N., Li, G. M., McCausland, M., Kanchan, V., Kokko, K. E., Li, S., Elbein, R., Mehta, A. K., Aderem, A., Subbarao, K., Ahmed, R., & Pulendran, B. (2011). Systems biology of vaccination for seasonal influenza in humans. Nature Immunology, 12(8), 786-795. doi: 10.1038/ni.208
3. Burton, D. R. (2017). What Are the Most Powerful Immunogen Design Vaccine Strategies? Reverse Vaccinology 2.0 Shows Great Promise. Cold Spring Harbor Perspectives in Biology, 9(11), a030262. doi: 10.1101/cshperspect.a030262
4. Freund, N. T., Wang, H., Scharf, L., Nogueira, L., Horwitz, J. A., Bar-On, Y., Golijanin, J., Sievers, S. A., Sok, D., Cai, H., Lorenzi, J. C. C., Halper-Stromberg, A., Toth, I., Piechocka-Trocha, A., Gristick, H. B., van Gils, M. J., Sanders, R. W., Wang, L. X., Seaman, M. S., … Nussenzweig, M. C. (2017). Coexistence of potent HIV-1 broadly neutralizing antibodies and antibody-sensitive viruses in a viremic controller. Science Translational Medicine, 9(373), eaal2144. doi: 10.1126/scitranslmed.aal2144
5. Chowdhury, R. R., Vallania, F., Yang, Q., Lopez Angel, C. J., Darboe, F., Penn-Nicholson, A., Rozot, V., Nemes, E., Malherbe, S. T., Ronacher, K., Walzl, G., Hanekom, W., Davis, M. M., Winter, J., Chen, X., Scriba, T. J., Khatri, P., & Chien, Y. H. (2018). A multi-cohort study of the immune factors associated with M. tuberculosis infection outcomes. Nature, 560(7720), 644-648. doi: 10.1038/s41586-018-0439-x.
6. COvid-19 Multi-omics Blood ATlas (COMBAT) Consortium. (2022). A blood atlas of COVID-19 defines hallmarks of disease severity and specificity. Cell, 185(5), 916-938.e58. doi: 10.1016/j.cell.2022.01.012

**Recommended reading:**

Pulendran, B., & Davis, M. M. (2020). The science and medicine of human immunology. Science, 369(6511), eaay4014. doi: 10.1126/science.aay4014