

Stanford



Marwah Karim

Postdoctoral Scholar, Infectious Diseases

Bio

PROGRAM AFFILIATIONS

- SPARK at Stanford

STANFORD ADVISORS

- Shirit Einav, Postdoctoral Research Mentor
- Shirit Einav, Postdoctoral Faculty Sponsor

LINKS

- https://www.researchgate.net/profile/Marwah_Karim: https://www.researchgate.net/profile/Marwah_Karim

Publications

PUBLICATIONS

- **Anticancer pan-ErbB inhibitors reduce inflammation and tissue injury and exert broad-spectrum antiviral effects.** *The Journal of clinical investigation* Saul, S., Karim, M., Ghita, L., Huang, P. T., Chiu, W., Durán, V., Lo, C. W., Kumar, S., Bhalla, N., Leyssen, P., Alem, F., Boghdeh, N. A., Tran, et al 2023
- **Preparing for the next viral threat with broad-spectrum antivirals.** *The Journal of clinical investigation* Karim, M., Lo, C. W., Einav, S. 2023; 133 (11)
- **Numb-associated kinases are required for SARS-CoV-2 infection and are cellular targets for antiviral strategies.** *Antiviral research* Karim, M., Saul, S., Ghita, L., Sahoo, M. K., Ye, C., Bhalla, N., Lo, C. W., Jin, J., Park, J., Martinez-Gualda, B., East, M. P., Johnson, G. L., Pinsky, et al 2022; 105367
- **Nonproteolytic K29-Linked Ubiquitination of the PB2 Replication Protein of Influenza A Viruses by Proviral Cullin 4-Based E3 Ligases** *MBIO* Karim, M., Biquand, E., Declercq, M., Jacob, Y., van der Werf, S., Demeret, C. 2020; 11 (2)
- **Chemical inactivation strategies for SARS-CoV-2-infected cells and organoids.** *STAR protocols* Karim, M., Pohane, A. A., Lo, C. W., Einav, S., Garhyan, J. 2024; 5 (1): 102906
- **The cargo adaptor protein CLINT1 is phosphorylated by the Numb-associated kinase BIKE and mediates dengue virus infection.** *The Journal of biological chemistry* Schor, S., Pu, S., Nicolaescu, V., Azari, S., Koivomagi, M., Karim, M., Cassonnet, P., Saul, S., Neveu, G., Yueh, A., Demeret, C., Skotheim, J. M., Jacob, et al 2022; 101956
- **The transcriptional landscape of Venezuelan equine encephalitis virus (TC-83) infection.** *PLoS neglected tropical diseases* Yao, Z. n., Zanini, F. n., Kumar, S. n., Karim, M. n., Saul, S. n., Bhalla, N. n., Panpradist, N. n., Muniz, A. n., Narayanan, A. n., Quake, S. R., Einav, S. n.

2021; 15 (3): e0009306

● **BIKE regulates dengue virus infection and is a cellular target for broad-spectrum antivirals.** *Antiviral research*

Pu, S., Schor, S., Karim, M., Saul, S., Robinson, M., Kumar, S., Prugar, L. I., Dorosky, D. E., Brannan, J., Dye, J. M., Einav, S.
2020: 104966

● **Influenza A virus co-opts ERI1 exonuclease bound to histone mRNA to promote viral transcription** *NUCLEIC ACIDS RESEARCH*

Declercq, M., Biquand, E., Karim, M., Pietrosemoli, N., Jacob, Y., Demeret, C., Barbezange, C., van der Werf, S.
2020; 48 (18): 10428–40

● **Influenza A virus co-opts ERI1 exonuclease bound to histone mRNA to promote viral transcription** *Nucleic Acids Research*

Declercq, M., Biquand, E., Karim, M., Pietrosemoli, N., Jacob, Y., Demeret, C., Barbezange, C., Werf, S. v.
2020

● **In silico analysis revealed Zika virus miRNAs associated with viral pathogenesis through alteration of host genes involved in immune response and neurological functions** *JOURNAL OF MEDICAL VIROLOGY*

Islam, M., Khan, M., Murad, M., Karim, M., Islam, A.
2019; 91 (9): 1584–94

● **Comparative Profiling of Ubiquitin Proteasome System Interplay with Influenza A Virus PB2 Polymerase Protein Recapitulating Virus Evolution in Humans** *MSPHERE*

Biquand, E., Poirson, J., Karim, M., Declercq, M., Malausse, N., Cassonnet, P., Barbezange, C., Straub, M., Jones, L., Munier, S., Naffakh, N., van der Werf, S., Jacob, et al
2017; 2 (6)