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CLINICAL OFFICE (PRIMARY)

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Bio

CLINICAL FOCUS

- Anatomic and Clinical Pathology

ACADEMIC APPOINTMENTS

- Instructor, Pathology

PROFESSIONAL EDUCATION

- Board Certification: Clinical Pathology, American Board of Pathology (2023)
- Residency: Stanford University Pathology Residency (2023) CA
- Medical Education: Duke NUS Medical School (2019) Singapore

Publications

PUBLICATIONS

- **Cellular and humoral immune response to SARS-CoV-2 vaccination and booster dose in immunosuppressed patients: An observational cohort study.** *Journal of clinical virology : the official publication of the Pan American Society for Clinical Virology*
Yang, L. M., Costales, C., Ramanathan, M., Bulterys, P. L., Murugesan, K., Schroers-Martin, J., Alizadeh, A. A., Boyd, S. D., Brown, J. M., Nadeau, K. C., Nadimpalli, S. S., Wang, A. X., Busque, et al
2022; 153: 105217
- **The proximal proteome of 17 SARS-CoV-2 proteins links to disrupted antiviral signaling and host translation.** *PLoS pathogens*
Meyers, J. M., Ramanathan, M., Shanderson, R. L., Beck, A., Donohue, L., Ferguson, I., Guo, M. G., Rao, D. S., Miao, W., Reynolds, D., Yang, X., Zhao, Y., Yang, et al
2021; 17 (10): e1009412
- **SARS-CoV-2 B.1.1.7 and B.1.351 spike variants bind human ACE2 with increased affinity.** *The Lancet. Infectious diseases*
Ramanathan, M., Ferguson, I. D., Miao, W., Khavari, P. A.
2021
- **Impact of a patient-derived hepatitis C viral RNA genome with a mutated microRNA binding site** *PLOS PATHOGENS*
Mata, M., Neben, S., Majzoub, K., Carette, J., Ramanathan, M., Khavari, P. A., Sarnow, P.
2019; 15 (5)
- **Profiling of rotavirus 3'UTR-binding proteins reveals the ATP synthase subunit ATP5B as a host factor that supports late-stage virus replication** *JOURNAL OF BIOLOGICAL CHEMISTRY*

Ren, L., Ding, S., Song, Y., Li, B., Ramanathan, M., Co, J., Amieva, M. R., Khavari, P. A., Greenberg, H. B.
2019; 294 (15): 5993–6006

● **Methods to study RNA-protein interactions (vol 16, pg 225, 2019) NATURE METHODS**

Ramanathan, M., Porter, D. F., Khavari, P. A.
2019; 16 (4): 351

● **Methods to study RNA-protein interactions. Nature methods**

Ramanathan, M., Porter, D. F., Khavari, P. A.
2019; 16 (3): 225–34

● **Profiling of rotavirus 3'UTR-binding proteins reveals the ATP synthase subunit ATP5B as a host factor that supports late-stage virus replication. The Journal of biological chemistry**

Ren, L., Ding, S., Song, Y., Li, B., Ramanathan, M., Co, J., Amieva, M. R., Khavari, P. A., Greenberg, H. B.
2019

● **RNA-protein interaction detection in living cells. Nature methods**

Ramanathan, M. n., Majzoub, K. n., Rao, D. S., Neela, P. H., Zarnegar, B. J., Mondal, S. n., Roth, J. G., Gai, H. n., Kovalski, J. R., Siplashvili, Z. n., Palmer, T. D., Carette, J. E., Khavari, et al
2018