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MD Student with Scholarly Concentration in Informatics & Data-Driven
Medicine, expected graduation Spring 2027

Publications

PUBLICATIONS

- **Cutaneous Neurofibromas and Quality of Life in Adults With Neurofibromatosis Type 1.** *JAMA dermatology*
Lin, M. J., Yao, H., Vera, K., Patel, E., Johnson, M., Caroline, P., Ramos, J., Mehta, J., Hu, X., Blakeley, J. O., Romo, C. G., Sarin, K. Y.
2024
- **Clinical performance characteristics of the Swift Normalase Amplicon Panel for sensitive recovery of SARS-CoV-2 genomes.** *The Journal of molecular diagnostics : JMD*
Shrestha, L., Lin, M. J., Xie, H., Mills, M. G., Mohamed Bakhsh, S. A., Gaur, V. P., Livingston, R. J., Castor, J., Bruce, E. A., Botten, J. W., Huang, M. L., Jerome, K. R., Greninger, et al
2022
- **Fragment Size-Based Enrichment of Viral Sequences in Plasma Cell-Free DNA** *JOURNAL OF MOLECULAR DIAGNOSTICS*
Phung, Q., Lin, M. J., Xie, H., Greninger, A. L.
2022; 24 (5): 476-484
- **Host-pathogen dynamics in longitudinal clinical specimens from patients with COVID-19.** *Scientific reports*
Lin, M. J., Rachleff, V. M., Xie, H., Shrestha, L., Lieberman, N. A., Peddu, V., Addetia, A., Casto, A. M., Breit, N., Mathias, P. C., Huang, M. L., Jerome, K. R., Greninger, et al
2022; 12 (1): 5856
- **De novo emergence of a remdesivir resistance mutation during treatment of persistent SARS-CoV-2 infection in an immunocompromised patient: a case report** *NATURE COMMUNICATIONS*
Gandhi, S., Klein, J., Robertson, A., Pena-Hernandez, M. A., Lin, M. J., Roychoudhury, P., Lu, P., Fournier, J., Ferguson, D., Bakhsh, S., Muenker, M., Srivathsan, A., Wunder, et al
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- **Retrospective Detection of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) in Symptomatic Patients Prior to Widespread Diagnostic Testing in Southern California** *CLINICAL INFECTIOUS DISEASES*
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2022; 74 (2): 271-277
- **Treponema pallidum genome sequencing from six continents reveals variability in vaccine candidate genes and dominance of Nichols clade strains in Madagascar** *PLOS NEGLECTED TROPICAL DISEASES*
Lieberman, N. A. P., Lin, M. J., Xie, H., Shrestha, L., Nguyen, T., Huang, M., Haynes, A. M., Romeis, E., Wang, Q., Zhang, R., Kou, C., Ciccarese, G., Dal Conte, et al
2021; 15 (12): e0010063
- **Human parainfluenza virus evolution during lung infection of immunocompromised individuals promotes viral persistence** *JOURNAL OF CLINICAL INVESTIGATION*
Greninger, A. L., Rybkina, K., Lin, M. J., Drew-Bear, J., Marcink, T. C., Shean, R. C., Makhous, N., Boeckh, M., Harder, O., Bovier, F., Burstein, S. R., Niewiesk, S., Rima, et al
2021; 131 (23)
- **Oral prodrug of remdesivir parent GS-441524 is efficacious against SARS-CoV-2 in ferrets** *NATURE COMMUNICATIONS*
Cox, R. M., Wolf, J. D., Lieber, C. M., Sourimant, J., Lin, M. J., Babusis, D., DuPont, V., Chan, J., Barrett, K. T., Lye, D., Kalla, R., Chun, K., Mackman, et al

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- **A Bifluorescent-Based Assay for the Identification of Neutralizing Antibodies against SARS-CoV-2 Variants of Concern In Vitro and In Vivo** *JOURNAL OF VIROLOGY*
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- **Analysis of SARS-CoV-2 infection dynamic in vivo using reporter-expressing viruses** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Ye, C., Chiem, K., Park, J., Silvas, J. A., Vasquez, D., Sourimant, J., Lin, M. J., Greninger, A. L., Plemper, R. K., Torrelles, J. B., Kobie, J. J., Walter, M. R., de la Torre, et al
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- **Longitudinal TprK profiling of in vivo and in vitro-propagated *Treponema pallidum* subsp. *pallidum* reveals accumulation of antigenic variants in absence of immune pressure** *PLOS NEGLECTED TROPICAL DISEASES*
Lin, M. J., Haynes, A. M., Addetia, A., Lieberman, N. A. P., Phung, Q., Xie, H., Nguyen, T. V., Molini, B. J., Lukehart, S. A., Giacani, L., Greninger, A. L.
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- **Specific allelic discrimination of N501Y and other SARS-CoV-2 mutations by ddPCR detects B.1.1.7 lineage in Washington State** *JOURNAL OF MEDICAL VIROLOGY*
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- **A SARS-CoV-2 Nucleocapsid Variant that Affects Antigen Test Performance** *JOURNAL OF CLINICAL VIROLOGY*
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- **In Vivo Generation of BK and JC Polyomavirus Defective Viral Genomes in Human Urine Samples Associated with Higher Viral Loads** *JOURNAL OF VIROLOGY*
Addetia, A., Phung, Q., Bradley, B. T., Lin, M. J., Zhu, H., Xie, H., Huang, M., Greninger, A. L.
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- **Molecular Features of the Measles Virus Viral Fusion Complex That Favor Infection and Spread in the Brain** *MBIO*
Mathieu, C., Bovier, F. T., Ferren, M., Lieberman, N. A. P., Predella, C., Lalande, A., Peddu, V., Lin, M. J., Addetia, A., Patel, A., Outlaw, V., Corneo, B., Dorrello, et al
2021; 12 (3): e0079921
- **Sensitive Recovery of Complete SARS-CoV-2 Genomes from Clinical Samples by Use of Swift Biosciences' SARS-CoV-2 Multiplex Amplicon Sequencing Panel** *JOURNAL OF CLINICAL MICROBIOLOGY*
Addetia, A., Lin, M. J., Peddu, V., Roychoudhury, P., Jerome, K. R., Greninger, A. L.
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- **Estimation of Full-Length TprK Diversity in *Treponema pallidum* subsp. *pallidum*** *MBIO*
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- **Comparative genomics and full-length Tprk profiling of *Treponema pallidum* subsp. *pallidum* reinfection** *PLOS NEGLECTED TROPICAL DISEASES*

Addetia, A., Tantalò, L. C., Lin, M. J., Xie, H., Huang, M., Marra, C. M., Greninger, A. L.
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- **VAPiD: a lightweight cross-platform viral annotation pipeline and identification tool to facilitate virus genome submissions to NCBI GenBank** *BMC BIOINFORMATICS*

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