

Stanford



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CLINICAL OFFICE (PRIMARY)

- **Infectious Diseases**

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Bio

BIO

Dr. Jacobson is Postdoctoral Medical Fellow in the Division of Infectious Diseases and Geographic Medicine. She previously received her MD and MPH from Icahn School of Medicine at Mount Sinai and completed residency in Internal Medicine/HIV Primary Care at Yale. She is board certified in Internal Medicine and Infectious Diseases. Dr. Jacobson's current research focus is on the epidemiology and natural history of SARS-CoV-2, and the interactions between SARS-CoV-2 and malaria in pregnancy in malaria endemic settings.

CLINICAL FOCUS

- Infectious Disease

PROFESSIONAL EDUCATION

- Fellowship: Stanford University Infectious Disease Fellowships (2023) CA
- Board Certification: Infectious Disease, American Board of Internal Medicine (2021)
- Board Certification: Internal Medicine, American Board of Internal Medicine (2018)
- Residency: Yale New Haven Medical Center (2018) CT
- Medical Education: Icahn School of Medicine at Mount Sinai (2015) NY
- M.P.H., Icahn School of Medicine at Mount Sinai (2012)
- M.D., Icahn School of Medicine at Mount Sinai (2015)

Publications

PUBLICATIONS

- **TNF-alpha+ CD4+ T cells dominate the SARS-CoV-2 specific T cell response in COVID-19 outpatients and are associated with durable antibodies.** *Cell reports. Medicine*
van der Ploeg, K., Kiro Singh, A. S., Mori, D. A., Chakraborty, S., Hu, Z., Sievers, B. L., Jacobson, K. B., Bonilla, H., Parsonnet, J., Andrews, J. R., Press, K. D., Ty, M. C., Ruiz-Betancourt, et al
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- **Post-vaccination SARS-CoV-2 infections and incidence of presumptive B.1.427/B.1.429 variant among healthcare personnel at a northern California academic medical center.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*
Jacobson, K. B., Pinsky, B. A., Montez Rath, M. E., Wang, H., Miller, J. A., Skhiri, M., Shepard, J., Mathew, R., Lee, G., Bohman, B., Parsonnet, J., Holubar, M.
2021
- **Patients with uncomplicated COVID-19 have long-term persistent symptoms and functional impairment similar to patients with severe COVID-19: a cautionary tale during a global pandemic.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*
Jacobson, K. B., Rao, M., Bonilla, H., Subramanian, A., Hack, I., Madrigal, M., Singh, U., Jagannathan, P., Grant, P.
2021
- **Peginterferon Lambda-1a for treatment of outpatients with uncomplicated COVID-19: a randomized placebo-controlled trial.** *Nature communications*
Jagannathan, P. n., Andrews, J. R., Bonilla, H. n., Hedlin, H. n., Jacobson, K. B., Balasubramanian, V. n., Purington, N. n., Kamble, S. n., de Vries, C. R., Quintero, O. n., Feng, K. n., Ley, C. n., Winslow, et al
2021; 12 (1): 1967
- **Inflammatory but not respiratory symptoms are associated with ongoing upper airway viral shedding in outpatients with uncomplicated COVID-19.** *Diagnostic microbiology and infectious disease*
Jacobson, K. B., Purington, N., Parsonnet, J., Andrews, J., Balasubramanian, V., Bonilla, H., Edwards, K., Desai, M., Singh, U., Hedlin, H., Jagannathan, P.
2021; 102 (3): 115612
- **Seroprevalence of Antibodies to SARS-CoV-2 in Rural Households in Eastern Uganda, 2020-2022.** *JAMA network open*
Briggs, J., Takahashi, S., Nayebare, P., Cuu, G., Rek, J., Zedi, M., Kizza, T., Arinaitwe, E., Nankabirwa, J. I., Kamya, M., Jagannathan, P., Jacobson, K., Rosenthal, et al
2023; 6 (2): e2255978
- **Early immune markers of clinical, virological, and immunological outcomes in patients with COVID-19: a multi-omics study.** *eLife*
Hu, Z., van der Ploeg, K., Chakraborty, S., Arunachalam, P. S., Mori, D. A., Jacobson, K. B., Bonilla, H., Parsonnet, J., Andrews, J. R., Holubar, M., Subramanian, A., Khosla, C., Maldonado, et al
2022; 11
- **Reconstructing the SARS-CoV-2 epidemic in eastern Uganda through longitudinal serosurveillance in a malaria cohort.** *medRxiv : the preprint server for health sciences*
Briggs, J., Takahashi, S., Nayebare, P., Cuu, G., Rek, J., Zedi, M., Kizza, T., Arinaitwe, E., Nankabirwa, J. I., Kamya, M., Jagannathan, P., Jacobson, K., Rosenthal, et al
2022
- **Gastrointestinal symptoms and fecal shedding of SARS-CoV-2 RNA suggest prolonged gastrointestinal infection.** *Med (New York, N.Y.)*
Natarajan, A., Zlitni, S., Brooks, E. F., Vance, S. E., Dahlen, A., Hedlin, H., Park, R. M., Han, A., Schmidtke, D. T., Verma, R., Jacobson, K. B., Parsonnet, J., Bonilla, et al
2022
- **Early immune responses have long-term associations with clinical, virologic, and immunologic outcomes in patients with COVID-19.** *Research square*
Hu, Z., van der Ploeg, K., Chakraborty, S., Arunachalam, P., Mori, D., Jacobson, K., Bonilla, H., Parsonnet, J., Andrews, J., Hedlin, H., de la Parte, L., Dantzer, K., Ty, et al
2022
- **Long Term Accuracy of SARS-CoV-2 Interferon-# Release Assay and its Application in Household Investigation.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*
Murugesan, K., Jagannathan, P., Altamirano, J., Maldonado, Y. A., Bonilla, H. F., Jacobson, K. B., Parsonnet, J., Andrews, J. R., Shi, R. Z., Boyd, S., Pinsky, B. A., Singh, U., Banaei, et al
2022
- **Reactivation of Chagas Disease in a Patient With an Autoimmune Rheumatic Disease: Case Report and Review of the Literature.** *Open forum infectious diseases*
Czech, M. M., Nayak, A. K., Subramanian, K. n., Suarez, J. F., Ferguson, J. n., Jacobson, K. B., Montgomery, S. P., Chang, M. n., Bae, G. H., Raghavan, S. S., Wang, H. n., Miranti, E. n., Budvytiene, et al
2021; 8 (2): ofaa642
- **Post-vaccination SARS-CoV-2 infections and incidence of the B.1.427/B.1.429 variant among healthcare personnel at a northern California academic medical center.** *medRxiv : the preprint server for health sciences*
Jacobson, K. B., Pinsky, B. A., Rath, M. E., Wang, H., Miller, J. A., Skhiri, M., Shepard, J., Mathew, R., Lee, G., Bohman, B., Parsonnet, J., Holubar, M.

2021

- **Interferon-gamma release assay for accurate detection of SARS-CoV-2 T cell response.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*
Murugesan, K. n., Jagannathan, P. n., Pham, T. D., Pandey, S. n., Bonilla, H. F., Jacobson, K. n., Parsonnet, J. n., Andrews, J. R., Weiskopf, D. n., Sette, A. n., Pinsky, B. A., Singh, U. n., Banaei, et al
2020
- **Anal Dysplasia in Human Immunodeficiency Virus-Infected Men Who Have Sex With Men With Sexually Acquired Early Hepatitis C Virus Infection.** *Open forum infectious diseases*
Jacobson, K. B., Gaisa, M. M., Sigel, K., Foster, A. L., Fierer, D. S.
2019; 6 (11): ofz339
- **Integrase inhibitor-based regimens result in more rapid virologic suppression rates among treatment-naïve human immunodeficiency virus-infected patients compared to non-nucleoside and protease inhibitor-based regimens in a real-world clinical setting: A retrospective cohort study.** *Medicine*
Jacobson, K., Ogbuagu, O.
2018; 97 (43): e13016
- **"It's about my life": facilitators of and barriers to isoniazid preventive therapy completion among people living with HIV in rural South Africa.** *AIDS care*
Jacobson, K. B., Niccolai, L., Mtungwa, N., Moll, A. P., Sheno, S. V.
2017; 29 (7): 936-942
- **Shedding of Hepatitis C Virus Into the Rectum of HIV-infected Men Who Have Sex With Men.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*
Foster, A. L., Gaisa, M. M., Hijdra, R. M., Turner, S. S., Morey, T. J., Jacobson, K. B., Fierer, D. S.
2017; 64 (3): 284-288
- **Porokeratotic Adnexal Ostial Nevus-Report of a Case With Unusual Clinical and Histologic Features.** *Skinmed*
Lanoue, J., Jacobson, K. B., Ooka, K., Singh, C., Camacho-Vanegas, O., Martignetti, J. A., Levitt, J., Phelps, R. G.
2016; 14 (3): 221-224
- **Successful Tuberculosis Treatment Outcomes among HIV/TB Coinfected Patients Down-Referred from a District Hospital to Primary Health Clinics in Rural South Africa.** *PloS one*
Jacobson, K. B., Moll, A. P., Friedland, G. H., Sheno, S. V.
2015; 10 (5): e0127024
- **Care of the patient with XDR-TB who has failed treatment.** *The Lancet. Respiratory medicine*
Jacobson, K. B., Tate, M., Eksteen, F., Moll, A., Padayatchi, N., Friedland, G., Sheno, S.
2015; 3 (4): 269-70
- **A rapid, low-cost methodology for longitudinal evaluation of insecticide treated bednet distributions: a pilot survey coupling bednet usage with malaria prevalence at the household level** *Malaria Reports*
Jacobson, K. B., Danforth, D., Lin, J., Merjavy, S., Milliner, B., Ooka, K., Hennig, N.
2014; 3 (1)
- **Comprehensive on-site medical and public health training for local medical practitioners in a refugee setting.** *Disaster medicine and public health preparedness*
Asgary, R., Jacobson, K.
2013; 7 (1): 82-8