



Seth Ari Sim-Son Hoffman

- Postdoctoral Medical Fellow, Infectious Diseases
- Masters Student in Epidemiology and Clinical Research, admitted Autumn 2021
- Fellow in Medicine

Bio

BIO

Infectious Diseases Fellow in the Division of Infectious Diseases & Geographic Medicine. Research to benefit underserved populations.

Dr. Seth Ari Sim-Son Hoffman is a clinical postdoctoral fellow in the Stephen P. Luby Lab within the Division of Infectious Diseases & Geographic Medicine, Stanford School of Medicine, Stanford University. His research interests include global health equity and clinical, translational, and implementation research to benefit underserved populations. He is also a current Masters in Epidemiology and Clinical Research candidate in the Department of Epidemiology & Population Health, Stanford School of Medicine, Stanford University.

Dr. Hoffman is involved in a broad portfolio of impact-driven research to benefit underserved populations including: the PI of typhoid urban water supply surveillance in Liberia; SARS-CoV-2 seroepidemiologic analysis of Gates Foundation-sponsored NORM Trial of a mask promotion/distribution intervention and large-scale study on asymptomatic transmission in Bangladesh; data analysis and publication of a typhoid conjugate vaccine (Typbar-TCV®, Bharat Biotech) rollout in Navi Mumbai, India targeting 9-month to 16-year-old children; a co-investigator on a project attempting to characterize, using shotgun metagenomic sequencing of placentae and environmental heavy metal sampling, why women in Bangladesh suffer from a disproportionately high rate of stillbirth; studying the willingness to receive a Phase II Nipah virus (NiV) vaccine and the appropriate language for communication about a NiV vaccine in Bangladesh.

CLINICAL FOCUS

- Fellow
- Infectious Diseases
- Epidemiology
- Global Health
- Planetary Health
- Health Equity
- Emerging Infectious Disease

HONORS AND AWARDS

- Global Health Seed Grant Winner, Stanford Center for Innovation in Global Health (2022)
- Benjamin H. Kean Travel Fellowship in Tropical Medicine, American Society of Tropical Medicine & Hygiene (2014)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, Benjamin Kean Travel Fellowship Award Committee, ASTMH (2023 - present)

- Member, Infectious Diseases Society of America (IDSA) (2020 - present)
- Associate, American College of Physicians (ACP) (2019 - present)
- Member, American Society of Tropical Medicine and Hygiene (ASTMH) (2011 - present)

PROFESSIONAL EDUCATION

- Residency, University of Maryland Medical Center , Internal Medicine (2020)
- MD, The Medical School for International Health (MSIH), Ben-Gurion University of the Negev Faculty of Health Sciences in affiliation with Columbia University's Vagelos College of Physicians and Surgeons (2017)
- BA, Cornell University , Anthropology (2012)

INTERNET LINKS

- ORCID iD: <https://orcid.org/0000-0002-7881-3605>
- Luby Lab: <https://lubylib.stanford.edu>
- NIH MyBibliography: <https://www.ncbi.nlm.nih.gov/myncbi/seth.hoffman.1/bibliography/public/>
- Stanford CIGH: <https://globalhealth.stanford.edu/center-postdoctoral-affiliates/>
- Stanford Woods Institute: <https://woods.stanford.edu/people/seth-ari-sim-son-hoffman>
- Twitter: <https://twitter.com/SethAHoffmanMD>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Clinical research to benefit underserved populations.

RESEARCH PROJECTS

- Typhoid Conjugate Vaccine Introduction in Navi Mumbai, India
- Assessing Salmonella Typhi contamination of water in urban settings of Liberia
- Investigating Infectious and Environmental Etiologies of Stillbirths in Bangladesh

LAB AFFILIATIONS

- Stephen Luby, The Luby Lab (12/4/2020)

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Infectious Diseases (Fellowship Program)

Publications

PUBLICATIONS

- **Point-of-Care Ultrasound by Nonexpert Operators Demonstrates High Sensitivity and Specificity in Detecting Gallstones: Data from the Samoa Typhoid Fever Control Program.** *The American journal of tropical medicine and hygiene*
Hoffman, S., Desai, S., Sikorski, M., Fatupaito, G., Tupua, S., Thomsen, R., Rambocus, S., Nimarota-Brown, S., Punimata, L., Sialeipata, M., Tuilagi, C., Han, J., Robins-Browne, et al
2022
- **SARS-CoV-2 Neutralization Resistance Mutations in Patient with HIV/AIDS, California, USA.** *Emerging infectious diseases*
Hoffman, S. A., Costales, C., Sahoo, M. K., Palanisamy, S., Yamamoto, F., Huang, C., Verghese, M., Solis, D. C., Sibai, M., Subramanian, A., Tompkins, L. S., Grant, P., Shafer, et al
2021; 27 (10)

- **Tenacious Endemic Typhoid Fever in Samoa.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*
Sikorski, M. J., Desai, S. N., Tupua, S., Thomsen, R. E., Han, J., Rambocus, S., Nimarota-Brown, S., Punimata, L., Tusitala, S., Sialeipata, M., Hoffman, S. A., Tracy, J. K., Higginson, et al
2020; 71 (Supplement_2): S120-S126
- **Miliary pattern on chest imaging as a presentation of EGFR-negative primary lung adenocarcinoma.** *BMJ case reports*
Hoffman, S. A., Manski, S., Deepak, J.
2019; 12 (5)
- **Female Anopheles gambiae antennae: increased transcript accumulation of the mosquito-specific odorant-binding-protein OBP2.** *Parasites & vectors*
Hoffman, S. A., Aravind, L., Velmurugan, S.
2012; 5: 27
- **Programmed Cell Death during Malaria Parasite Infection of the Vertebrate Host and Mosquito Vector** *Programmed Cell Death in Protozoa*
Baton, L. A., Warr, E., Hoffman, S. A., Dimopoulos, G.
edited by Perez Martin, J.
Springer.2008: 74–90
- **Light deprivation affects larval development and arrestin gene expression in Anopheles stephensi.** *Journal of medical entomology*
Hoffman, S., Subramanian, G. M.
2005; 42 (5): 801-4