

# Stanford

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## Dylan Maghini

Postdoctoral Scholar, Hematology

### Bio

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#### HONORS AND AWARDS

- Global Health Equity Scholar, NIH Fogarty and Stanford Center for Innovation in Global Health (July 2023-present)
- Gerald J. Lieberman Fellowship, Stanford VPGE (2022-2023)
- Stanford Graduate Fellowship, Stanford VPGE (2018-2021)

#### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Global Health Postdoctoral Affiliate, Stanford University Center for Innovation in Global Health (2023 - present)

#### STANFORD ADVISORS

- Ami Bhatt, Postdoctoral Faculty Sponsor

### Research & Scholarship

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#### CURRENT RESEARCH AND SCHOLARLY INTERESTS

I am currently a Global Health Equity Scholar supported by the NIH Fogarty International Center. I am conducting my fellowship year at the Sydney Brenner Institute for Molecular Bioscience (SBIMB) at the University of the Witwatersrand in Johannesburg, South Africa under the mentorship of Ami Bhatt, MD, PhD and Scott Hazelhurst MSc PhD. My research focuses on identifying genomic, microbiome, and clinical risk factors associated with the development of HIV-related comorbidities.

### Publications

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#### PUBLICATIONS

- **Author Correction: Quantifying bias introduced by sample collection in relative and absolute microbiome measurements.** *Nature biotechnology*  
Maghini, D. G., Dvorak, M., Dahlen, A., Roos, M., Doyle, B., Kuersten, S., Bhatt, A. S.  
2024
- **Expanding the human gut microbiome atlas of Africa.** *bioRxiv : the preprint server for biology*  
Maghini, D. G., Oduaran, O. H., Wirbel, J., Olubayo, L. A., Smyth, N., Mathema, T., Belger, C. W., Agongo, G., Boua, P. R., Choma, S. S., Gómez-Olivé, F. X., Kisiangani, I., Mashaba, et al  
2024
- **Quantifying bias introduced by sample collection in relative and absolute microbiome measurements.** *Nature biotechnology*  
Maghini, D. G., Dvorak, M., Dahlen, A., Roos, M., Kuersten, S., Bhatt, A. S.  
2023
- **Short- and long-read metagenomics of urban and rural South African gut microbiomes reveal a transitional composition and undescribed taxa.** *Nature communications*

Tamburini, F. B., Maghini, D., Oduaran, O. H., Brewster, R., Hulley, M. R., Sahibdeen, V., Norris, S. A., Tollman, S., Kahn, K., Wagner, R. G., Wade, A. N., Wafawanaka, F., Gomez-Olive, et al

2022; 13 (1): 926

- **Genetic determinants of EGFR-Driven Lung Cancer Growth and Therapeutic Response In Vivo.** *Cancer discovery*  
Foggetti, G., Li, C., Cai, H., Hellyer, J. A., Lin, W., Ayeni, D., Hastings, K., Choi, J., Wurtz, A., Andrejka, L., Maghini, D. G., Rashleigh, N., Levy, et al  
2021
- **Genetic determinants of EGFR-driven lung cancer growth and therapeutic response in vivo**  
Foggetti, G., Li, C., Cai, H., Lin, W., Ayeni, D., Hastings, K., Andrejka, L., Maghini, D., Homer, R., Petrov, D. A., Winslow, M. M., Politi, K.  
AMER ASSOC CANCER RESEARCH.2020
- **Complete, closed bacterial genomes from microbiomes using nanopore sequencing.** *Nature biotechnology*  
Moss, E. L., Maghini, D. G., Bhatt, A. S.  
2020
- **Improved high-molecular-weight DNA extraction, nanopore sequencing and metagenomic assembly from the human gut microbiome.** *Nature protocols*  
Maghini, D. G., Moss, E. L., Vance, S. E., Bhatt, A. S.  
2020