



Ami Bhatt

Professor of Medicine (Hematology) and of Genetics
Medicine - Hematology

CLINICAL OFFICE (PRIMARY)

- Hematology Division

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Stanford, CA 94305

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Bio

BIO

In perpetual awe of how 'simple' microbial organisms can perturb complex, multicellular eukaryotic organisms, Ami Bhatt has chosen to dedicate her research program to inspecting, characterizing and dissecting the microbe-human interface. Nowhere is the interaction between hosts and microbes more potentially impactful than in immunocompromised hosts and global settings where infectious and environmental exposures result in drastic and sometimes fatal health consequences.

Ami's group identifies problems and questions that arise in the course of routine clinical care. Often in collaboration with investigators at Stanford and beyond, the group applies modern genetic, molecular and computational techniques to seek answers to these questions, better understand host-microbe interactions and decipher how perturbation of these interactions may result in human disease phenotypes.

CLINICAL FOCUS

- Hematology

ACADEMIC APPOINTMENTS

- Professor, Medicine - Hematology
- Professor, Genetics
- Member, Bio-X
- Member, Cardiovascular Institute
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Medicine Children's Health Center for IBD and Celiac Disease
- Member, Stanford Cancer Institute

ADMINISTRATIVE APPOINTMENTS

- Director of Global Oncology, Center for Innovation in Global Health, (2014- present)

HONORS AND AWARDS

- Microbiome Data Prize, American Society of Microbiology (2024)
- Elected Member, American Society for Clinical Investigation (ASCI) (2021)
- Emerging Leader in Health and Medicine, National Academy of Medicine (2020)
- Sloan Foundation Fellow, Sloan Foundation (2020)
- Chen Award of Excellence, Human Genome Organisation (HUGO) (2018)
- Hall/Sewankambo Mid-Career Global Health Award, Consortiums of Universities for Global Health (2017)
- World Cancer Young Leader Award, Union for International Cancer Control (2016)
- Rosenkranz Prize for Healthcare Research in Developing Countries, Stanford University (2016)
- Alpha Omega Alpha, UCSF (2007)
- Chancellor's Fellowship, UCSF (2004)
- Richard Fineberg Award for Excellence in Teaching, UCSF (2002)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Editorial Board Member, Journal of Global Oncology, ASCO (2015 - 2021)
- Editorial Board Member, Blood (2018 - present)
- Editorial Board Member, Seminars in Hematology (2016 - present)
- Editorial Board Member, The Oncologist (2013 - 2018)

PROFESSIONAL EDUCATION

- Board Certification: Medical Oncology, American Board of Internal Medicine (2024)
- Medical Education: University of California at San Francisco School of Medicine (2007) CA
- Fellowship: Brigham and Women's Hospital Harvard Medical School (2014) MA
- Residency: Brigham and Women's Hospital Harvard Medical School (2011) MA
- Post-doctoral Fellowship, Broad Institute of Harvard and MIT (2014)
- Hematology/Oncology Fellowship, Dana-Farber Cancer Institute, Harvard Medical School (2014)
- Chief Residency, Brigham and Women's Hospital, Harvard Medical School (2011)
- Residency, Brigham and Women's Hospital, Harvard Medical School (2009)
- MD, University of California, San Francisco , Medicine (2007)
- PhD, University of California, San Francisco , Biochemistry and Molecular Biology (2005)

COMMUNITY AND INTERNATIONAL WORK

- Global Oncology (Co-Founder, Co-President)

LINKS

- My Lab Website: <http://bhattlab.com>
- Global Oncology Website (non-profit): <http://globalonc.org>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Our lab seeks to exhaustively characterize the dynamics of the microbiome in patients with noncommunicable diseases (cancer, cardiometabolic disease), and to explore how changes in the microbiome are associated with clinical outcomes in this population.

Our Lab's Goals and Objectives:

- a) We strive to better understand what microbial genes do, and how these genes are regulated
- b) We hope to understand if shifts in the microbiome are associated with human disease phenotypes.
- c) If alterations in the microbiome are associated with human disease phenotypes, develop methods to modify the composition of the microbiome or target specific microbial gene products with the hope of ameliorating these disease phenotypes.

CLINICAL TRIALS

- COVID-Lambda, Not Recruiting
- Favi, Not Recruiting
- Phase III Tacrolimus/Methotrexate vs Cyclophosphamide/Tacrolimus/Mycophenolate Mofetil in PBSCT, Not Recruiting

PROJECTS

- Globalizing oncology care, education and research - Stanford University & Global Oncology, Inc.
- Genomic characterization of an Infection-associated cancer - Stanford University and Bilharz Research Institute
- Metagenotype to phenotype - Stanford University
- Genetic determinants of microbial virulence

Teaching

COURSES

2024-25

- Why College? Your Education and the Good Life: COLLEGE 101 (Aut)

2023-24

- Advanced Seminar in Microbial Molecular Biology: BIO 346, CSB 346, GENE 346 (Spr)

2022-23

- Advanced Seminar in Microbial Molecular Biology: BIO 346, CSB 346, GENE 346 (Spr)
- Genetics and Developmental Biology Training Camp: DBIO 200, GENE 200 (Aut)
- Gut Microbiota in Health and Disease: BIOE 221G, GENE 208, MI 221 (Aut)

STANFORD ADVISEES

Med Scholar Project Advisor

Maryanne Chege, Boryana Doyle, Edoghogho Ighodaro

Doctoral Dissertation Reader (AC)

Usman Enam, Simone Evans, Tania Fabo, Pranav Lalgudi, Rosa Lee, Sophie Walton

Postdoctoral Faculty Sponsor

Rachael Chanin, Helen Choi, Florian Hoffmann, Yuya Kiguchi, Jordan Lin, Nathan Pincus, Danica Schmidtke

Doctoral Dissertation Advisor (AC)

Aaron Behr, Meena Chakraborty, Jane Cook, Matthew Gill, Matt Grieshop, Angela Hickey, Imani Porter

Doctoral Dissertation Co-Advisor (AC)

Sayde Perry

Postdoctoral Research Mentor

Rachael Chanin, Yuya Kiguchi

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Biomedical Data Science (Phd Program)
- Genetics (Phd Program)
- Hematology (Fellowship Program)
- Oncology (Fellowship Program)

Publications

PUBLICATIONS

- **Transposable elements are driving rapid adaptation of *Enterococcus faecium*.** *Nature*
Grieshop, M. P., Behr, A. A., Bowden, S., Lin, J. D., Molari, M., Reynolds, G. Z., Brooks, E. F., Doyle, B., Moore, A. A., Rodriguez-Nava, G., Salinas, J. L., Banaei, N., Bhatt, et al
2026
- **Differential effects of two common GVHD prophylaxis regimens on the gut microbiome: Results from the BMT CTN 1801 study.** *bioRxiv : the preprint server for biology*
Wirbel, J., Saber, W., Martens, M. J., Peled, J. U., Andermann, T. M., Fei, T., Brooks, E. F., Doyle, B., Pincus, N. B., Jenq, R. R., Bar, M., Bolaños-Meade, J., Bratrude, et al
2026
- **Long-read metagenomics reveals phage dynamics in the human gut microbiome.** *Nature*
Wirbel, J., Hickey, A. S., Chang, D., Enright, N. J., Dvorak, M., Chanin, R. B., Schmidtke, D. T., Bhatt, A. S.
2025
- **The prototypic crAssphage is a linear phage-plasmid.** *Cell host & microbe*
Schmidtke, D. T., Hickey, A. S., Wirbel, J., Lin, J. D., Liachko, I., Sherlock, G., Bhatt, A. S.
2025
- **Expanding the human gut microbiome atlas of Africa.** *Nature*
Maghini, D. G., Oduaran, O. H., Olubayo, L. A., Cook, J. 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
2025
- **Intragenic DNA inversions expand bacterial coding capacity.** *Nature*
Chanin, R. B., West, P. T., Wirbel, J., Gill, M. O., Green, G. Z., Park, R. M., Enright, N., Miklos, A. M., Hickey, A. S., Brooks, E. F., Lum, K. K., Cristea, I. M., Bhatt, 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
- **Systematic discovery of recombinases for efficient integration of large DNA sequences into the human genome.** *Nature biotechnology*
Durrant, M. G., Fanton, A., Tycko, J., Hinks, M., Chandrasekaran, S. S., Perry, N. T., Schaepe, J., Du, P. P., Lotfy, P., Bassik, M. C., Bintu, L., Bhatt, A. S., Hsu, et al

2022

- **Complete, closed bacterial genomes from microbiomes using nanopore sequencing.** *Nature biotechnology*
Moss, E. L., Maghini, D. G., Bhatt, A. S.
2020
- **Large-Scale Analyses of Human Microbiomes Reveal Thousands of Small, Novel Genes.** *Cell*
Sberro, H., Fremin, B. J., Zlitni, S., Edfors, F., Greenfield, N., Snyder, M. P., Pavlopoulos, G. A., Kyrpides, N. C., Bhatt, A. S.
2019
- **Precision identification of diverse bloodstream pathogens in the gut microbiome** *NATURE MEDICINE*
Tamburini, F. B., Andermann, T. M., Tkachenko, E., Senchyna, F., Banaei, N., Bhatt, A. S.
2018; 24 (12): 1809-+
- **Impact of stopping contact precautions on vanA plasmid transmission, Northern California, 2021-2023.** *Antimicrobial stewardship & healthcare epidemiology : ASHE*
Rodriguez-Nava, G., Grieshop, M. P., Zulli, A., Behr, A. A., Miranti, E., Tariq, W., Viana-Cardenas, E. P., Pincus, N., Banaei, N., Sampson, M., Bhatt, A. S., Salinas, J. L.
2026; 6 (1): e140
- **Participant engagement and feedback in microbiome projects: a case of AWI-Gen 2.** *bioRxiv : the preprint server for biology*
Nkera-Gutabara, C., Olubayo, L. A., Oduaran, O. O., Kisiangani, I., Khoza, S., Gama, K., Maritze, M., Mabunda, C., Keya, D., Adetunji, K. E., Tollman, S., Micklesfield, L. K., Mohamed, et al
2026
- **Implementation of Wastewater-Based Epidemiology in a Northern California Acute Care Hospital: A Pilot Study, June-July 2024.** *The Journal of hospital infection*
Rodriguez-Nava, G., Zulli, A., Grieshop, M. P., Viana-Cardenas, E. P., Jong, S., Miranti, E., Jiang, M., Ayala, A., Sampson, M., Bhatt, A. S., Boehm, A. B., Salinas, J. L.
2026
- **A conserved sRNA regulates mucin adhesion and gut colonization across the Enterococcaceae.** *bioRxiv : the preprint server for biology*
Bowden, S., Jennings, K. C., Zlitni, S., Brooks, E. F., Davin, M. E., Natarajan, A., Asare, L., Fremin, B. J., Wilmes, P., Hettich, R. L., Salzman, N. H., Bhatt, A. S.
2025
- **Secondary graft failure after PT-cy: Modeling a candidate risk assignment biomarker based on lymphocyte reconstitution. Results from the BMT CTN 1801 study**
Omdahl, K., Siegel, S., Dong, J., Dewolf, S., Hebert, K., Neuberg, D., Schichter, I., Albanese, A., Keskula, P., Cagnin, L., Applegate, K., Bar, M., Chhabra, et al
ELSEVIER.2025: 4198-4199
- **Combined TCR-seq and single-cell RNA-seq reveal distinct origins for antiviral immunity after post-transplant cyclophosphamide and tac/MTX gvhd prophylaxis: Results from the BMT CTN 1801 study**
Siegel, S., Dewolf, S., Schmalz, J., Winn, N., Kaminski, J., Bien, S., Sanders, C., Robins, H., Zavistaski, J., Schichter, I., Steinberg, L., Applegate, K., Bar, et al
ELSEVIER.2025: 818-819
- **Age-related microbiome metabolites alter RNA splicing and chromatin accessibility in the brain.** *bioRxiv : the preprint server for biology*
Chakraborty, M., Shi, S. M., Porter, I. E., Richard, D. J., Marinov, G. K., Moore, A. A., Blum, J. L., Natarajan, A., Jahng, J. W., Wu, J. C., Lu, S. X., Davidson, S. M., Greenleaf, et al
2025
- **A genomic atlas of the human gut virome elucidates genetic factors shaping host interactions.** *bioRxiv : the preprint server for biology*
Camargo, A. P., Baltoumas, F. A., Ndela, E. O., Fiamenghi, M. B., Merrill, B. D., Carter, M. M., Pinto, Y., Chakraborty, M., Andreeva, A., Ghiotto, G., Shaw, J., Proal, A. D., Sonnenburg, et al
2025
- **A systematic literature review and bayesian meta-analysis of oral vancomycin primary prophylaxis for Clostridioides difficile infection in stem cell transplant patients** *ANTIMICROBIAL STEWARDSHIP & HEALTHCARE EPIDEMIOLOGY*
Viana-Cardenas, E., Miranti, E., Tariq, W., Rodriguez-Nava, G., Shen, S., Whitaker, E., Jiang, M., Sampson, M. M., Rezvani, A., Bhatt, A. S., Marra, A. R., Salinas, J. L.

2025; 5 (1)

- **Clostridium cuniculi is associated with chronic high-morbidity low-mortality diarrhea in NSG and NSG-related mouse strains.** *Veterinary pathology*
Casey, K. M., Barouch-Bentov, R., Reineking, W., Alonso, F. H., Moorhead, R., Fazel, M., Armien, A. G., Uzal, F. A., Chanin, R. B., Bhatt, A. S., Green, S. L., Felt, S. A., Nagamine, et al
2025: 3009858251372565
- **A peptide display system identifies a potent mutant β -melanocyte-stimulating hormone agonist of melanocortin-4 receptor.** *Cell genomics*
Lin, A., Spees, K., Valbuena, R., Wirbel, J., Natarajan, A., Enright, N., Bhatt, A. S., Bassik, M. C.
2025: 100988
- **Illumina complete long read assay yields contiguous bacterial genomes from human gut metagenomes.** *mSystems*
Maghini, D. G., Kiguchi, Y., Darling, A. E., Monahan, L. G., Halpern, A. L., Burke, C. M., Jaeger, E., Statham, A., Truong, T., Ying, K., Bruinsma, S. P., Schroth, G. P., Bhatt, et al
2025: e0153124
- **Absolute quantification of prokaryotes in the microbiome by 16S rRNA qPCR or ddPCR.** *Nature protocols*
Doyle, B., Reynolds, G. Z., Dvorak, M., Maghini, D. G., Natarajan, A., Bhatt, A. S.
2025
- **Impact of Post-Transplant Cyclophosphamide-Based GVHD Prophylaxis in Patients 70 years and Older: An Update from BMT CTN 1703.** *Blood advances*
Abedin, S. M., Martens, M. J., Bolaños-Meade, J., Al Malki, M. M., Lian, Q., Runaas, L., Elmariah, H., Gooptu, M., Larkin, K., Shaffer, B. C., Loren, A. W., Solh, M. M., Alousi, et al
2025
- **Unraveling the tempo and mode of horizontal gene transfer in bacteria.** *Trends in microbiology*
Good, B. H., Bhatt, A. S., McDonald, M. J.
2025
- **Accurate prediction of absolute prokaryotic abundance from DNA concentration.** *Cell reports methods*
Wirbel, J., Andermann, T. M., Brooks, E. F., Evans, L., Groth, A., Dvorak, M., Chakraborty, M., Palushaj, B., Reynolds, G. Z., Porter, I. E., Al Malki, M., Rezvani, A., Gooptu, et al
2025: 101030
- **Contiguous and complete assemblies of Blastocystis gut microbiome-associated protists reveal evolutionary diversification to host ecology.** *Genome research*
Lind, A. L., McDonald, N. A., Gerrick, E. R., Bhatt, A. S., Pollard, K.
2025
- **Gut metagenomes reveal interactions between dietary restriction, ageing and the microbiome in genetically diverse mice.** *Nature microbiology*
Litichevskiy, L., Considine, M., Gill, J., Shandar, V., Cox, T. O., Descamps, H. C., Wright, K. M., Amses, K. R., Dohnalová, L., Liou, M. J., Tetlak, M., Galindo-Fiallos, M. R., Wong, et al
2025
- **Mind the gap: Intergenic regions in bacteria encode numerous small proteins.** *Molecular cell*
Lin, J. D., Bhatt, A. S.
2025; 85 (6): 1046-1048
- **Replicative selfish genetic elements are driving rapid pathogenic adaptation of Enterococcus faecium.** *bioRxiv : the preprint server for biology*
Grieshop, M. P., Behr, A. A., Bowden, S., Lin, J. D., Molari, M., Reynolds, G. Z., Brooks, E. F., Doyle, B., Rodriguez-Nava, G., Salinas, J. L., Banaei, N., Bhatt, A. S.
2025
- **Comprehensive profiling of genomic invertons in defined gut microbial community reveals associations with intestinal colonization and surface adhesion.** *Microbiome*
Jin, X., Cheng, A. G., Chanin, R. B., Yu, F. B., Dimas, A., Jasper, M., Weakley, A., Yan, J., Bhatt, A. S., Pollard, K. S.
2025; 13 (1): 71

- **Graft-versus-host disease prophylaxis shapes T cell biology and immune reconstitution after hematopoietic cell transplant.** *medRxiv : the preprint server for health sciences*
Siegel, S. J., DeWolf, S., Schmalz, J., Saber, W., Dong, J., Martens, M. J., Logan, B., Albanese, A., Iovino, L., Chen, E., Kaminski, J., Neuberg, D., Hebert, et al
2025
- **Microproteins: emerging roles as antibiotics.** *Trends in genetics : TIG*
Galeota-Sprung, B., Bhatt, A. S., de la Fuente-Nunez, C.
2025
- **Improved Patient-Reported Outcomes With Post-Transplant Cyclophosphamide: A Quality-of-Life Evaluation and 2-Year Outcomes of BMT CTN 1703.** *Journal of clinical oncology : official journal of the American Society of Clinical Oncology*
Holtan, S. G., Bolaños-Meade, J., Al Malki, M. M., Wu, J., Kitko, C. L., Reshef, R., Rezvani, A. R., Shaffer, B. C., Solh, M. M., Yao, J. M., Runaas, L., Elmariah, H., Larkin, et al
2025: JCO2400921
- **Viroid-like colonists of human microbiomes.** *Cell*
Zheludev, I. N., Edgar, R. C., Lopez-Galiano, M. J., de la Peña, M., Babaian, A., Bhatt, A. S., Fire, A. Z.
2024
- **LARGE-SCALE TCR DEEP SEQUENCING REVEALS A T CELL DIVERSITY BOTTLENECK WITH POST-TRANSPLANT CYCLOPHOSPHAMIDE WITH IMPLICATIONS FOR EFFICACY AND TOXICITY: RESULTS OF THE BMT-CTN 1801 STUDY**
Kean, L., Siegel, S., Schmalz, J., Bien, S., DeWolf, S., Dong, J., Scheffey, D., Sanders, C., Robins, H., Applegate, K., Bar, M., Chhabra, S., Choi, et al
SPRINGER NATURE.2024: 12-13
- **Mining human microbiomes reveals an untapped source of peptide antibiotics.** *Cell*
Torres, M. D., Brooks, E. F., Cesaro, A., Sberro, H., Gill, M. O., Nicolaou, C., Bhatt, A. S., de la Fuente-Nunez, C.
2024
- **Differentiation of Prior SARS-CoV-2 Infection and Postacute Sequelae by Standard Clinical Laboratory Measurements in the RECOVER Cohort.** *Annals of internal medicine*
Erlandson, K. M., Geng, L. N., Selvaggi, C. A., Thaweethai, T., Chen, P., Erdmann, N. B., Goldman, J. D., Henrich, T. J., Hornig, M., Karlson, E. W., Katz, S. D., Kim, C., Cribbs, et al
2024
- **Dual quorum-sensing control of purine biosynthesis drives pathogenic fitness of *Enterococcus faecalis*.** *bioRxiv : the preprint server for biology*
Zlitni, S., Bowden, S., Sberro, H., Torres, M. D., Vaughan, J. M., Pinto, A. F., Pinto, Y., Fernandez, D., Röst, H., Saghatelian, A., de la Fuente-Nunez, C., Bhatt, A. S.
2024
- **Sequencing-based analysis of microbiomes.** *Nature reviews. Genetics*
Pinto, Y., Bhatt, A. S.
2024
- **Temperature-dependent differences in mouse gut motility are mediated by stress.** *Lab animal*
Han, A., Hudson-Paz, C., Robinson, B. G., Becker, L., Jacobson, A., Kaltschmidt, J. A., Garrison, J. L., Bhatt, A. S., Monack, D. M.
2024
- **Envisioning Academic Global Oncologists: Proposed Competencies for Global Oncology Training From ASCO.** *JCO global oncology*
Bourlon, M. T., Bhatt, A. S., Lopes, G., Asirwa, F. C., Eniu, A. E., Loehrer, P. J., Shulman, L. N., Close, J., Von Roenn, J., Tibbits, M., Pyle, D., Gralow, J. R.
2024; 10: e2300157
- **Analysis and culturing of the prototypic crAssphage reveals a phage-plasmid lifestyle.** *bioRxiv : the preprint server for biology*
Schmidtke, D. T., Hickey, A. S., Liachko, I., Sherlock, G., 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

- **The journey to understand previously unknown microbial genes.** *Nature*
Wirbel, J., Bhatt, A. S., Probst, A. J.
2024
- **Viroid-like colonists of human microbiomes.** *bioRxiv : the preprint server for biology*
Zheludev, I. N., Edgar, R. C., Lopez-Galiano, M. J., de la Pena, M., Babaian, A., Bhatt, A. S., Fire, A. Z.
2024
- **Metabolic diversity in commensal protists regulates intestinal immunity and trans-kingdom competition.** *Cell*
Gerrick, E. R., Zlitni, S., West, P. T., Carter, M. M., Mechler, C. M., Olm, M. R., Caffrey, E. B., Li, J. A., Higginbottom, S. K., Severyn, C. J., Kracke, F., Spormann, A. M., Sonnenburg, et al
2023
- **Hybrid assemblies of microbiomeBlastocystisprotists reveal evolutionary diversification reflecting host ecology.** *bioRxiv : the preprint server for biology*
Lind, A. L., McDonald, N. A., Gerrick, E. R., Bhatt, A. S., Pollard, K. S.
2023
- **Identification of over ten thousand candidate structured RNAs in viruses and phages.** *Computational and structural biotechnology journal*
Fremin, B. J., Bhatt, A. S., Kyrpides, N. C.
2023; 21: 5630-5639
- **Acute steroid-refractory GI GVHD is not associated with significant differences in gut taxonomic composition compared to steroid-sensitive GI GVHD immediately prior to onset of disease: GI GVHD is not characterized by gut microbial differences preceding symptom onset.** *Transplantation and cellular therapy*
Zeng, K., Brewster, R., Kang, J. B., Tkachenko, E., Brooks, E., Bhatt, A. S., Fodor, A. A., Andermann, T. M.
2023
- **Large-Scale Post-Transplant TCR Deep Sequencing Reveals a Major T Cell Diversity Bottleneck with Post-Transplant Cyclophosphamide with Implications for Both Efficacy and Toxicity: Results of the BMT CTN 1801 Study**
Kean, L., Siegel, S. J., Schmalz, J. T., Bien, S. A., Scheffey, D., Sanders, C., Robins, H., Applegate, K., Bar, M., Chhabra, S., Choi, S. W., Clark, W., Das, et al
AMER SOC HEMATOLOGY.2023
- **Human gut metagenomic mining reveals an untapped source of peptide antibiotics.** *bioRxiv : the preprint server for biology*
Torres, M. D., Brooks, E., Cesaro, A., Sberro, H., Nicolaou, C., Bhatt, A. S., de la Fuente-Nunez, C.
2023
- **The Tomato Brown Rugose Fruit Virus Movement Protein Gene Is a Novel Microbial Source Tracking Marker.** *Applied and environmental microbiology*
Natarajan, A., Fremin, B. J., Schmidtke, D. T., Wolfe, M. K., Zlitni, S., Graham, K. E., Brooks, E. F., Severyn, C. J., Sakamoto, K. M., Lacayo, N. J., Kuersten, S., Koble, J., Caves, et al
2023: e0058323
- **Post-Transplantation Cyclophosphamide-Based Graft-versus-Host Disease Prophylaxis.** *The New England journal of medicine*
Bolaños-Meade, J., Hamadani, M., Wu, J., Al Malki, M. M., Martens, M. J., Runaas, L., Elmariah, H., Rezvani, A. R., Gooptu, M., Larkin, K. T., Shaffer, B. C., El Jurdi, N., Loren, et al
2023; 388 (25): 2338-2348
- **Chemoproteomic identification of a DPP4 homolog in Bacteroides thetaiotaomicron.** *Nature chemical biology*
Keller, L. J., Nguyen, T. H., Liu, L. J., Hurysz, B. M., Lakemeyer, M., Guerra, M., Gelsinger, D. J., Chanin, R., Ngo, N., Lum, K. M., Faucher, F., Ipock, P., Niphakis, et al
2023
- **The TaxUMAP atlas: Efficient display of large clinical microbiome data reveals ecological competition in protection against bacteremia.** *Cell host & microbe*
Schluter, J., Djukovic, A., Taylor, B. P., Yan, J., Duan, C., Hussey, G. A., Liao, C., Sharma, S., Fontana, E., Amoretti, L. A., Wright, R. J., Dai, A., Peled, et al

2023

- **Phage diversity in cell-free DNA identifies bacterial pathogens in human sepsis cases.** *Nature microbiology*
Haddock, N. L., Barkal, L. J., Ram-Mohan, N., Kaber, G., Chiu, C. Y., Bhatt, A. S., Yang, S., Bollyky, P. L.
2023
- **Phage-inclusive profiling of human gut microbiomes with Phanta.** *Nature biotechnology*
Pinto, Y., Chakraborty, M., Jain, N., Bhatt, A. S.
2023
- **Antimicrobial exposure is associated with decreased survival in triple-negative breast cancer.** *Nature communications*
Ransohoff, J. D., Ritter, V., Purington, N., Andrade, K., Han, S., Liu, M., Liang, S. Y., John, E. M., Gomez, S. L., Telli, M. L., Schapira, L., Itakura, H., Sledge, et al
2023; 14 (1): 2053
- **Cancer Demographics and Time-to-Care in Belize.** *The oncologist*
Wong, W., Dickerson, J. C., Valtis, Y. K., Habet, M., Bernard, M., Kelly, L., Lattin, J., Garrity, P., Sood, R., Ohanian, A., Chege, M. W., Bhatt, A. S., Huang, et al
2023
- **Human β -defensin 2 ameliorates acute GVHD by limiting ileal neutrophil infiltration and restraining T cell receptor signaling.** *Science translational medicine*
Rückert, T., Andrieux, G., Boerries, M., Hanke-Müller, K., Woessner, N. M., Doetsch, S., Schell, C., Aumann, K., Kolter, J., Schmitt-Graeff, A., Schiff, M., Braun, L. M., Haring, et al
2022; 14 (676): eabp9675
- **Post-Transplant Cyclophosphamide, Tacrolimus, and Mycophenolate Mofetil As the New Standard for Graft-Versus-Host Disease (GVHD) Prophylaxis in Reduced Intensity Conditioning: Results from Phase III BMT CTN 1703**
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