Stanford



Ami Bhatt

Professor of Medicine (Hematology) and of Genetics

Medicine - Hematology

CLINICAL OFFICE (PRIMARY)

- **Hematology Division**

  269 Campus Dr Rm 1155

  MC 5156

  Stanford, CA 94305

  Tel (650) 498-4438 **Fax** (650) 736-0974

Bio

BIO

Ami Bhatt is a Professor at Stanford University in the Departments of Medicine (Hematology; Blood & Marrow Transplantation) and Genetics, where her laboratory studies the hidden layer of the microbial genome. This is the dynamic, largely invisible layer of biology that determines how microbes adapt and what they actually do.

Conventional genomics reads a genome as a fixed sequence. Prof. Bhatt's work has shown that much of what makes microbes consequential lies elsewhere: in DNA that jumps, inverts, and rewrites itself on clinically relevant timescales; in chemical marks and small RNAs that reshape how genomes are read; and in genes so small that standard annotation tools were built to skip them. Her laboratory develops the molecular and computational tools to see this layer, and studies it where the stakes are highest — in patients undergoing transplantation, fighting infection, or receiving cancer therapy, whose microbial communities are adapting in real time. This work has revealed thousands of previously unrecognized microbial microproteins, including novel antimicrobials and immune-modulating molecules, and has demonstrated that microbial evolution can occur within the course of a single hospitalization. These discoveries have translated directly to medicine: enzymes her lab mined from microbial genomes are now being developed as human genome-engineering tools by a company she co-founded (Stylus Medicine), and her group's findings are informing new approaches to diagnosis and therapy.

She received her MD & PhD from the University of California, San Francisco (Alpha Omega Alpha), followed by residency, chief residency, and fellowship training at Brigham and Women's Hospital and the Dana-Farber Cancer Institute at Harvard Medical School, and postdoctoral training in genomics at the Broad Institute of Harvard and MIT. She joined the Stanford faculty in 2014.

Prof. Bhatt's honors include the Chen Award of Excellence from the Human Genome Organisation (HUGO), the Distinguished Investigator Award from the Paul Allen Foundation, and a Sloan Foundation Fellowship. She is an elected member of the American Society for Clinical Investigation and the 2024 recipient of the American Society of Hematology's William Dameshek Prize. She has delivered more than 200 invited presentations worldwide and has served as primary research advisor to over 60 undergraduate, medical, doctoral, and postdoctoral scholars.

Dr. Bhatt also works to ensure that global communities benefit from advances in research and medicine. She conducts research with the H3Africa Genomics Consortium, volunteers for Global Oncology, the nonprofit she co-founded in 2012, and served as Director for Global Oncology at Stanford's Center for Innovation in Global Health (2014–2026). She continues to practice clinical medicine, caring for patients with hematological disorders. Outside of work, she is diligently iterating on her vegan ramen recipe.

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

- Dameshek Prize, American Society of Hematology (2024)
- 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

- Scientific Co-Chair, American Society of Hematology (Annual Meeting) (2026 - 2026)
- Editorial Board Member, Journal of Global Oncology, ASCO (2015 - 2021)
- Director of Laboratory Science, American Society of Transplantation and Cellular Therapy (2025 - present)
- Editorial Board Member, Blood (2018 - 2024)
- 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

- Oral Favipiravir Compared to Placebo in Subjects With Mild COVID-19, Not Recruiting
- Single-Blind Study of a Single Dose of Peginterferon Lambda-1a Compared With Placebo in Outpatients With Mild COVID-19, Not Recruiting
- TAC/MTX vs. TAC/MMF/PTCY for Prevention of Graft-versus-Host Disease and Microbiome and Immune Reconstitution Study (BMT CTN 1703/1801), 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

2026-27

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

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)

STANFORD ADVISEES

Med Scholar Project Advisor

Edoghogho Ighodaro

Doctoral Dissertation Reader (AC)

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

Postdoctoral Faculty Sponsor

Rachael Chanin, Helen Choi, Florian Hoffmann, Yuya Kiguchi, Jordan Lin, Owen Tuck

Doctoral Dissertation Advisor (AC)

Aaron Behr, 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-+
- **Participant engagement and feedback in microbiome projects: a case of AWI-Gen 2.** *mSystems*
  Nkera-Gutabara, C. K., 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: e0180025
- **Harmonizing standards and resources for the medical genome.** *Nature*
  Ashley, E. A., Alizadeh, A. A., Armitage, H., Bhatt, A. S., Blumenfeld, Y., Carroll, A., Chavez, R. M., Giannikopoulos, P., Grove, M. E., Halley, M. C., Khush, K., Lennon, N. J., Maragh, et al
  2026; 655 (8121): 47-58
- **A phase-variable capsule facilitates Akkermansia muciniphila colonization of the intestinal mucus layer.** *mBio*
  Gracia, L., Hughes, E. R., Middleton, D. R., Mueller, K. D., Portillo, J. A., Sharma, A., Davey, L., Panzetta, M. E., Chanin, R. B., Bhatt, A. S., Valdivia, R. H.
  2026: e0104826
- **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
  SPRINGERNATURE.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**
  Holtan, S. G., Hamadani, M., Wu, J., Al Malki, M. M., Runaas, L., Elmariah, H., Rezvani, A. R., Gooptu, M., Larkin, K. T., Shaffer, B. C., El Jurdi, N. H., Loren, A. W., Solh, et al
  AMER SOC HEMATOLOGY.2022: 14-16

- **Equitable partnerships and the path to inclusive, innovative and impactful human microbiome research.** *Nature reviews. Gastroenterology & hepatology*
  Oduaran, O. H., Bhatt, A. S.
  2022

- **From genome structure to function: insights into structural variation in microbiology.** *Current opinion in microbiology*
  West, P. T., Chanin, R. B., Bhatt, A. S.
  2022; 69: 102192

- **Near-fatal Legionella pneumonia in a neonate linked to home humidifier by metagenomic next generation sequencing.** *Med (New York, N.Y.)*
  West, P. T., Brooks, E. F., Costales, C., Moreno, A., Jensen, T. D., Budvytiene, I., Khan, A., Pham, T. H., Schwenk, H. T., Bhatt, A. S., Banaei, N.
  2022

- **Thousands of small, novel genes predicted in global phage genomes.** *Cell reports*
  Fremin, B. J., Bhatt, A. S., Kyrpides, N. C.
  2022; 39 (12): 110984

- **Y A pilot study of gut decontamination and the risk of bloodstream infections during pediatric allogeneic hematopoietic cell transplantation**
  Severyn, C. J., Siranosian, B. A., Kong, S., Chen, N., London, W. B., Bhatt, A. S., Whangbo, J. S.
  WILEY.2022

- **Efficacy of an educational comic book for HPV vaccination information in Nigeria.**
  Roy, M., Saleem, A., Said, A., Inoyo, I. E., Garrity, P., Bashorun, Y., Anjorin, T., Ibeka, P., Remen, D., Huang, F. W., Bhatt, A.
  LIPPINCOTT WILLIAMS & WILKINS.2022: E18577

- **Breast cancer characteristics and time to chemotherapy initiation in Belize.**
  Wong, W., Dickerson, J., Sood, R., Yacab, R., Valtis, Y., Lattin, J., Garrity, P., Bhatt, A., Huang, F. W.
  LIPPINCOTT WILLIAMS & WILKINS.2022: E18643

- **Updated demographics at the only public oncology clinic in Belize.**
  Wong, W., Dickerson, J., Sood, R., Valtis, Y., Yacab, R., Lattin, J., Garrity, P., Bhatt, A., Huang, F. W.
  LIPPINCOTT WILLIAMS & WILKINS.2022: E18787

- **A compilation of fecal microbiome shotgun metagenomics from hematopoietic cell transplantation patients.** *Scientific data*
  Yan, J., Liao, C., Taylor, B. P., Fontana, E., Amoretti, L. A., Wright, R. J., Littmann, E. R., Dai, A., Waters, N., Peled, J. U., Taur, Y., Perales, M., Siranosian, et al
  2022; 9 (1): 219

- **SARS-CoV-2 RNA and N Antigen Quantification via Wastewater at the Campus Level, Building Cluster Level, and Individual-Building Level** *ACS ES&T WATER*
  Zambrana, W., Catoe, D., Coffman, M. M., Kim, S., Anand, A., Solis, D., Sahoo, M. K., Pinsky, B. A., Bhatt, A. S., Boehm, A. B., Wolfe, M. K.
  2022

- **SARS-CoV-2 RNA and N Antigen Quantification via Wastewater at the Campus Level, Building Cluster Level, and Individual-Building Level.** *ACS ES&T water*
  Zambrana, W., Catoe, D., Coffman, M. M., Kim, S., Anand, A., Solis, D., Sahoo, M. K., Pinsky, B. A., Bhatt, A. S., Boehm, A. B., Wolfe, M. K.
  2022; 2 (11): 2025-33

- **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

- **Microbiota dynamics in a randomized trial of gut decontamination during allogeneic hematopoietic cell transplantation.** *JCI insight*

  Severyn, C. J., Siranosian, B. A., Kong, S. T., Moreno, A., Li, M. M., Chen, N., Duncan, C. N., Margossian, S. P., Lehmann, L. E., Sun, S., Andermann, T. M., Birbrayer, O., Silverstein, et al

  2022

- **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

- **Rare transmission of commensal and pathogenic bacteria in the gut microbiome of hospitalized adults.** *Nature communications*

  Siranosian, B. A., Brooks, E. F., Andermann, T., Rezvani, A. R., Banaei, N., Tang, H., Bhatt, A. S.

  1800; 13 (1): 586

- **Microbiota dynamics in a randomized trial of gut decontamination during allogeneic hematopoietic cell transplantation** *JCI Insight*

  Severyn, C. J., et al

  2022

- **MI-Immune/1801: Lessons from an Ongoing, Multi-Center Trial Involving Biospecimen Collection for Prospective Microbiome and Immune Profiling in Patients Undergoing Reduced Intensity Conditioning Allogeneic HCT**

  Brooks, E., Spahn, A., Waldvogel, S., Howard, A., Bar, M., Bratrude, B., Chhabra, S., Clark, W., Das, S., Horowitz, M. M., Jenq, R. R., Jones, R. J., Levine, et al

  AMER SOC HEMATOLOGY.2021

- **Reporting guidelines for human microbiome research: the STORMS checklist.** *Nature medicine*

  Mirzayi, C., Renson, A., Genomic Standards Consortium, Massive Analysis and Quality Control Society, Zohra, F., Elsafoury, S., Geistlinger, L., Kasselman, L. J., Eckenrode, K., van de Wijgert, J., Loughman, A., Marques, F. Z., MacIntyre, D. A., Arumugam, et al

  2021

- **Implementing Patient-Directed Cancer Education Materials Across Nigeria.** *JCO global oncology*

  Dickerson, J. C., Ibeka, P., Inoyo, I., Oke, O. O., Adewuyi, S. A., Barry, D., Bello, A., Fasawe, O., Garrity, P., Habeebu, M., Huang, F. W., Mulema, V., Nwankwo, et al

  2021; 7: 1610-1619

- **Simultaneous ribosome profiling of hundreds of microbes from the human microbiome.** *Nature protocols*

  Fremin, B. J., Nicolaou, C., Bhatt, A. S.

  2021

- **A fructo-oligosaccharide prebiotic is well-tolerated in adults undergoing allogeneic hematopoietic stem cell transplantation: a phase I dose-escalation trial.** *Transplantation and cellular therapy*

  Andermann, T. M., Fouladi, F., Tamburini, F. B., Sahaf, B., Tkachenko, E., Greene, C., Buckley, M. T., Brooks, E. F., Hedlin, H., Arai, S., Mackall, C. L., Miklos, D., Negrin, et al

  2021

- **Metagenomic compendium of 189,680 DNA viruses from the human gut microbiome.** *Nature microbiology*

  Nayfach, S., Paez-Espino, D., Call, L., Low, S. J., Sberro, H., Ivanova, N. N., Proal, A. D., Fischbach, M. A., Bhatt, A. S., Hugenholtz, P., Kyrpides, N. C.

  2021

- **Invariant Natural Killer T Cell Subsets Have Diverse Graft-Versus-Host-Disease-Preventing and Anti-Tumor Effects.** *Blood*

  Maas-Bauer, K., Lohmeyer, J. K., Hirai, T., Lopes Ramos, T., Fazal, F. M., Litzenburger, U. M., Yost, K. E., Ribado, J. V., Kambham, N., Wenokur, A., Lin, P., Alvarez, M., Mavers, et al

  2021

- **Standardized and optimized preservation, extraction and quantification techniques for detection of fecal SARS-CoV-2 RNA.** *medRxiv : the preprint server for health sciences*

  Natarajan, A., Han, A., Zlitni, S., Brooks, E. F., Vance, S. E., Wolfe, M., Singh, U., Jagannathan, P., Pinsky, B. A., Boehm, A., Bhatt, A. S.

2021

- **The Gut Microbiome: A Missing Link in Understanding the Gastrointestinal manifestations of COVID-19?** *Cold Spring Harbor molecular case studies*
  Brooks, E., Bhatt, A. S.
  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
- **Comparative genomics of Enterobacter cloacae complex before and after acquired clinical resistance to Ceftazidime-Avibactam.** *Diagnostic microbiology and infectious disease*
  Senchyna, F., Tamburini, F. B., Murugesan, K., Watz, N., Bhatt, A. S., Banaei, N.
  2021; 101 (4): 115511
- **Standardized preservation, extraction and quantification techniques for detection of fecal SARS-CoV-2 RNA.** *Nature communications*
  Natarajan, A., Han, A., Zlitni, S., Brooks, E. F., Vance, S. E., Wolfe, M., Singh, U., Jagannathan, P., Pinsky, B. A., Boehm, A., Bhatt, A. S.
  2021; 12 (1): 5753
- **Identification of covalent inhibitors that disrupt M. tuberculosis growth by targeting multiple serine hydrolases involved in lipid metabolism.** *Cell chemical biology*
  Babin, B. M., Keller, L. J., Pinto, Y., Li, V. L., Eneim, A. S., Vance, S. E., Terrell, S. M., Bhatt, A. S., Long, J. Z., Bogyo, M.
  2021
- **Comparative genomics identifies thousands of candidate structured RNAs in human microbiomes.** *Genome biology*
  Fremin, B. J., Bhatt, A. S.
  2021; 22 (1): 100
- **Gut microbiome profiling of a rural and urban South African cohort reveals biomarkers of a population in lifestyle transition.** *BMC microbiology*
  Oduaran, O. H., Tamburini, F. B., Sahibdeen, V., Brewster, R., Gomez-Olive, F. X., Kahn, K., Norris, S. A., Tollman, S. M., Twine, R., Wade, A. N., Wagner, R. G., Lombard, Z., Bhatt, et al
  2020; 20 (1): 330
- **Recommendations from the ASCO Academic Global Oncology Task Force.** *JCO global oncology*
  Gralow, J. R., Asirwa, F. C., Bhatt, A. S., Bourlon, M. T., Chu, Q., Eniu, A. E., Loehrer, P. J., Lopes, G., Shulman, L. N., Close, J., Von Roenn, J., Tibbits, M., Pyle, et al
  2020; 6: 1666–73
- **Glucagon like peptide-2 for Intestinal stem cell and Paneth cell repair during graft-versus-host disease in mice and humans.** *Blood*
  Norona, J., Apostolova, P., Schmidt, D., Ihlemann, R., Reischmann, N., Taylor, G., Kohler, N., de Heer, J., Heeg, S., Andrieux, G., Siranosian, B. A., Schmitt-Graeff, A., Pfeifer, et al
  2020
- **GUT DECONTAMINATION ALTERS THE INTESTINAL MICROBIOTA DURING ALLOGENIC BONE MARROW TRANSPLANT**
  Severyn, C., London, W., Kao, P., Silverstein, S., Li, M., Verrill, K., Ritz, J., Bhatt, A., Whangbo, J.
  WILEY.2020: S11–S12
- **Assessing and Addressing the Need for Cancer Patient Education in a Resource-Limited Setting in Haiti.** *The oncologist*
  Schleimer, L. E., Desameau, P., Damuse, R., Olsen, M., Manzo, V., Cardenas, C., Mehrtash, H., Krakauer, E. L., Masamba, L., Wang, C., Bhatt, A. S., Shulman, L. N., Huang, et al
  2020
- **The gastrointestinal microbiota controls cancer cell intrinsic mechanisms to promote the progression of acute lymphoblastic leukemia.**
  Mahauad-Fernandez, W., Zlitni, S., Bhatt, A., Felsher, D.
  AMER ASSOC CANCER RESEARCH.2020: 58–59
- **A Bioinformatic Analysis of Integrative Mobile Genetic Elements Highlights Their Role in Bacterial Adaptation** *CELL HOST & MICROBE*
  Durrant, M. G., Li, M. M., Siranosian, B. A., Montgomery, S. B., Bhatt, A. S.

2020; 27 (1): 140-+

- **Strain-resolved microbiome sequencing reveals mobile elements that drive bacterial competition on a clinical timescale.** *Genome medicine*
  Zlitni, S. n., Bishara, A. n., Moss, E. L., Tkachenko, E. n., Kang, J. B., Culver, R. N., Andermann, T. M., Weng, Z. n., Wood, C. n., Handy, C. n., Ji, H. P., Batzoglou, S. n., Bhatt, et al
  2020; 12 (1): 50
- **A mountable toilet system for personalized health monitoring via the analysis of excreta.** *Nature biomedical engineering*
  Park, S. M., Won, D. D., Lee, B. J., Escobedo, D. n., Esteva, A. n., Aalipour, A. n., Ge, T. J., Kim, J. H., Suh, S. n., Choi, E. H., Lozano, A. X., Yao, C. n., Bodapati, et al
  2020
- **Acquisition, transmission and strain diversity of human gut-colonizing crAss-like phages.** *Nature communications*
  Siranosian, B. A., Tamburini, F. B., Sherlock, G. n., Bhatt, A. S.
  2020; 11 (1): 280
- **Structured RNA Contaminants in Bacterial Ribo-Seq.** *mSphere*
  Fremin, B. J., Bhatt, A. S.
  2020; 5 (5)
- **Automated Prediction and Annotation of Small Open Reading Frames in Microbial Genomes.** *Cell host & microbe*
  Durrant, M. 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
- **MetaRibo-Seq measures translation in microbiomes.** *Nature communications*
  Fremin, B. J., Sberro, H. n., Bhatt, A. S.
  2020; 11 (1): 3268
- **Microbes and microbiomes in 2020 and beyond.** *Nature communications*
  Natarajan, A. n., Bhatt, A. S.
  2020; 11 (1): 4988
- **A Bioinformatic Analysis of Integrative Mobile Genetic Elements Highlights Their Role in Bacterial Adaptation.** *Cell host & microbe*
  Durrant, M. G., Li, M. M., Siranosian, B. A., Montgomery, S. B., Bhatt, A. S.
  2019
- **Intestinal microbiota domination under extreme selective pressures characterized by metagenomic read cloud sequencing and assembly.** *BMC bioinformatics*
  Kang, J. B., Siranosian, B. A., Moss, E. L., Banaei, N., Andermann, T. M., Bhatt, A. S.
  2019; 20 (Suppl 16): 585
- **Longitudinal Changes in the Intestinal Microbiome Composition Following Gut Decontamination in Pediatric Allogeneic Hematopoietic Stem Cell Transplant Patients: A Pilot Study**
  Severyn, C., London, W. B., Kao, P., Silverstein, S., Li, M., Kim, S., Verrill, K., Ritz, J., Bhatt, A. S., Whangbo, J.
  AMER SOC HEMATOLOGY.2019
- **Making Progress in Graft-Versus-Host Disease Prophylaxis and Microbiome Analysis in the Blood and Marrow Transplant Clinical Trials Network: Progress III (1703)/MI-Immune (1801)**
  Holtan, S., Bhatt, A. S., Fraser, R., Perales, M., Kean, L., Saber, W., Hamadani, M., Logan, B. R., Bolanos-Meade, J.
  AMER SOC HEMATOLOGY.2019
- **Microbiome genome structure drives function.** *Nature microbiology*
  Durrant, M. G., Bhatt, A. S.
  2019; 4 (6): 912–13
- **Making the microbiome personal** *NATURE MEDICINE*

Bhatt, A. S.
2019; 25 (5): 708

- **Diversity of resistance mechanisms in carbapenem-resistant Enterobacteriaceae at a health care system in Northern California, from 2013 to 2016** *DIAGNOSTIC MICROBIOLOGY AND INFECTIOUS DISEASE*
  Senchyna, F., Gaur, R. L., Sandlund, J., Truong, C., Tremintin, G., Kutz, D., Gomez, C. A., Tamburini, F. B., Andermann, T., Bhatt, A., Tickler, I., Watz, N., Budvytiene, et al
  2019; 93 (3): 250–57

- **Distinct Immune Regulatory Potential of Invariant Natural Killer T (iNKT) Cell Subsets: iNKT2 and iNKT17, but Not iNKT1, Protect from Graft-Versus-Host-Disease**
  Simonetta, F., Maas-Bauer, K., Hirai, T., Wenokur, A., Fazal, F. M., Kambham, N., Ribado, J., Mavers, M., Baker, J., Bhatt, A. S., Chang, H. Y., Negrin, R. S.
  ELSEVIER SCIENCE INC.2019

- **Whole blood RNA sequencing reveals a unique transcriptomic profile in patients with ARDS following hematopoietic stem cell transplantation** *RESPIRATORY RESEARCH*
  Englert, J. A., Cho, M. H., Lamb, A. E., Shumyatcher, M., Barragan-Bradford, D., Basil, M. C., Higuera, A., Isabelle, C., Vera, M., Dieffenbach, P. B., Fredenburgh, L. E., Kang, J. B., Bhatt, et al
  2019; 20

- **Whole blood RNA sequencing reveals a unique transcriptomic profile in patients with ARDS following hematopoietic stem cell transplantation.** *Respiratory research*
  Englert, J. A., Cho, M. H., Lamb, A. E., Shumyatcher, M., Barragan-Bradford, D., Basil, M. C., Higuera, A., Isabelle, C., Vera, M. P., Dieffenbach, P. B., Fredenburgh, L. E., Kang, J. B., Bhatt, et al
  2019; 20 (1): 15

- **Surveying Gut Microbiome Research in Africans: Toward Improved Diversity and Representation.** *Trends in microbiology*
  Brewster, R. n., Tamburini, F. B., Asiimwe, E. n., Oduaran, O. n., Hazelhurst, S. n., Bhatt, A. S.
  2019

- **Evaluating Barriers and Opportunities in Delivering High-Quality Oncology Care in a Resource-Limited Setting Using a Comprehensive Needs Assessment Tool** *JOURNAL OF GLOBAL ONCOLOGY*
  Nwachukwu, C. R., Mudasiru, O., Million, L., Sheth, S., Qamoos, H., Onah, J. O., Okemini, A., Rhodes, M., Barry, M., Banjo, A. A., Habeebu, M., Olasinde, T. A., Bhatt, et al
  2018; 4

- **Evaluating Barriers and Opportunities in Delivering High-Quality Oncology Care in a Resource-Limited Setting Using a Comprehensive Needs Assessment Tool.** *Journal of global oncology*
  Nwachukwu, C. R., Mudasiru, O., Million, L., Sheth, S., Qamoos, H., Onah, J. O., Okemini, A., Rhodes, M., Barry, M., Banjo, A. A., Habeebu, M., Olasinde, T. A., Bhatt, et al
  2018: 1–9

- **Read cloud sequencing elucidates microbiome dynamics in a hematopoietic cell transplant patient.** *Proceedings. IEEE International Conference on Bioinformatics and Biomedicine*
  Kang, J., Siranosian, B., Moss, E., Andermann, T., Bhatt, A.
  2018; 2018: 234-241

- **Institutionalizing healthcare hackathons to promote diversity in collaboration in medicine** *BMC MEDICAL EDUCATION*
  Wang, J. K., Roy, S. K., Barry, M., Chang, R. T., Bhatt, A. S.
  2018; 18

- **Institutionalizing healthcare hackathons to promote diversity in collaboration in medicine.** *BMC medical education*
  Wang, J. K., Roy, S. K., Barry, M., Chang, R. T., Bhatt, A. S.
  2018; 18 (1): 269

- **Persistence of endothelial thrombomodulin in a patient with infectious purpura fulminans treated with protein C concentrate** *BLOOD ADVANCES*
  Bendapudi, P. K., Robbins, A., LeBoeuf, N., Pozdnyakova, O., Bhatt, A., Duke, F., Sells, R., McQuiston, J., Humrighouse, B., Rouaisnel, B., Colling, M., Stephenson, K. E., Saavedra, et al
  2018; 2 (21): 2917–21

- **Persistence of endothelial thrombomodulin in a patient with infectious purpura fulminans treated with protein C concentrate.** *Blood advances*
  Bendapudi, P. K., Robbins, A., LeBoeuf, N., Pozdnyakova, O., Bhatt, A., Duke, F., Sells, R., McQuiston, J., Humrighouse, B., Rouaisnel, B., Colling, M., Stephenson, K. E., Saavedra, et al
  2018; 2 (21): 2917–21

- **High-quality genome sequences of uncultured microbes by assembly of read clouds** *NATURE BIOTECHNOLOGY*
  Bishara, A., Moss, E. L., Kolmogorov, M., Parada, A. E., Weng, Z., Sidow, A., Dekas, A. E., Batzoglou, S., Bhatt, A. S.
  2018; 36 (11): 1067-+

- **Antibiotic practice patterns in hematopoietic cell transplantation: A survey of blood and marrow transplant clinical trials network centers** *AMERICAN JOURNAL OF HEMATOLOGY*
  Rashidi, A., Wangjam, T., Bhatt, A. S., Weisdorf, D. J., Holtan, S. G., BMT CTN Investigators
  2018; 93 (11): E348–E350

- **Diversity of resistance mechanisms in carbapenem-resistant Enterobacteriaceae at a health care system in Northern California, from 2013 to 2016.** *Diagnostic microbiology and infectious disease*
  Senchyna, F., Gaur, R. L., Sandlund, J., Truong, C., Tremintin, G., Kultz, D., Gomez, C. A., Tamburini, F. B., Andermann, T., Bhatt, A., Tickler, I., Watz, N., Budvytiene, et al
  2018

- **Data mining of digitized health records in a resource-constrained setting reveals that timely immunophenotyping is associated with improved breast cancer outcomes.** *BMC cancer*
  Lopez-Pineda, A., Rodriguez-Moran, M. F., Alvarez-Aguilar, C., Fuentes Valle, S. M., Acosta-Rosales, R., Bhatt, A. S., Sheth, S. N., Bustamante, C. D.
  2018; 18 (1): 933

- **Data mining of digitized health records in a resource-constrained setting reveals that timely immunophenotyping is associated with improved breast cancer outcomes** *BMC CANCER*
  Lopez-Pineda, A., Rodriguez-Moran, M. F., Alvarez-Aguilar, C., Fuentes Valle, S. M., Acosta-Rosales, R., Bhatt, A. S., Sheth, S. N., Bustamante, C. D.
  2018; 18

- **Digesting New Developments in Biosensors** *NEW ENGLAND JOURNAL OF MEDICINE*
  Bhatt, A. S.
  2018; 379 (7): 686–88

- **A Gut Commensal-Produced Metabolite Mediates Colonization Resistance to Salmonella Infection** *CELL HOST & MICROBE*
  Jacobson, A., Lam, L., Rajendram, M., Tamburini, F., Honeycutt, J., Trung Pham, Van Treuren, W., Pruss, K., Stabler, S., Lugo, K., Bouley, D. M., Vilches-Moure, J. G., Smith, M., et al
  2018; 24 (2): 296-+

- **A Gut Commensal-Produced Metabolite Mediates Colonization Resistance to Salmonella Infection.** *Cell host & microbe*
  Jacobson, A., Lam, L., Rajendram, M., Tamburini, F., Honeycutt, J., Pham, T., Van Treuren, W., Pruss, K., Stabler, S. R., Lugo, K., Bouley, D. M., Vilches-Moure, J. G., Smith, et al
  2018

- **The Microbiome and Hematopoietic Cell Transplantation: Past, Present, and Future** *BIOLOGY OF BLOOD AND MARROW TRANSPLANTATION*
  Andermann, T. M., Peled, J. U., Ho, C., Reddy, P., Riches, M., Storb, R., Teshima, T., van den Brink, M. R. M., Alousi, A., Balderman, S., Chiusolo, P., Clark, W. B., Holler, et al
  2018; 24 (7): 1322–40

- **Transient Osmotic Perturbation Causes Long-Term Alteration to the Gut Microbiota.** *Cell*
  Tropini, C., Moss, E. L., Merrill, B. D., Ng, K. M., Higginbottom, S. K., Casavant, E. P., Gonzalez, C. G., Fremin, B., Bouley, D. M., Elias, J. E., Bhatt, A. S., Huang, K. C., Sonnenburg, et al
  2018; 173 (7): 1742

- **Transient Osmotic Perturbation Causes Long-Term Alteration to the Gut Microbiota** *CELL*
  Tropini, C., Moss, E., Merrill, B., Ng, K., Higginbottom, S., Casavant, E., Gonzalez, C., Fremin, B., Bouley, D., Elias, J., Bhatt, A., Huang, K., Sonnenburg, et al

2018; 173 (7): 1742-+

- **AGBT meeting report** *GENOME BIOLOGY*
  Bhatt, A. S., Curtis, C.
  2018; 19: 60

- **The Microbiome and Hematopoietic Cell Transplantation: Past, Present, and Future.** *Biology of blood and marrow transplantation : journal of the American Society for Blood and Marrow Transplantation*
  Andermann, T. M., Peled, J. U., Ho, C., Reddy, P., Riches, M., Storb, R., Teshima, T., van den Brink, M. R., Alousi, A., Balderman, S., Chiusolo, P., Clark, W. B., Holler, et al
  2018

- **In Translation: With probiotics, resistance is not always futile** *Cell Host & Microbe*
  Severyn, C. J., Bhatt, A. S.
  2018; 24: 334-336

- **With Probiotics, Resistance Is Not Always Futile.** *Cell host & microbe*
  Severyn, C. J., Bhatt, A. S.
  2018; 24 (3): 334–36

- **Read cloud sequencing elucidates microbiome dynamics in a hematopoietic cell transplant patient**
  Kang, J., Siranosian, B., Moss, E., Andermann, T., Bhatt, A.
  edited by Zheng, H., Callejas, Z., Griol, D., Wang, H., Hu, Schmidt, H., Baumbach, J., Dickerson, J., Zhang, L.
  IEEE.2018: 234–41

- **Household triclosan and triclocarban effects on the infant and maternal microbiome** *EMBO MOLECULAR MEDICINE*
  Ribado, J. V., Ley, C., Haggerty, T. D., Tkachenko, E., Bhatt, A. S., Parsonnet, J.
  2017; 9 (12): 1732–41

- **Allied Commensal Forces against Vancomycin-Resistant Enterococci** *CELL HOST & MICROBE*
  Fremin, B. J., Bhatt, A. S.
  2017; 21 (5): 559–60

- **Quantitative Computed Tomography Assessment of Bronchiolitis Obliterans Syndrome after Lung Transplantation.** *Clinical transplantation*
  Gazourian, L., Ash, S., Meserve, E. E., Diaz, A., Estepar, R. S., El-Chemaly, S. Y., Rosas, I. O., Divo, M., Fuhlbrigge, A. L., Camp, P. C., Ho, V. T., Bhatt, A. S., Goldberg, et al
  2017

- **Technological solutions for global hematology and oncology** *BLOOD ADVANCES*
  Bhatt, A. S.
  2017; 1 (6): 396

- **Antibiotic-mediated modification of the intestinal microbiome in allogeneic hematopoietic stem cell transplantation** *BONE MARROW TRANSPLANTATION*
  Whangbo, J., Ritz, J., Bhatt, A.
  2017; 52 (2): 183-190

- **Microbes prevent HSPCs from "NOD"-ing off.** *Blood*
  Bhatt, A. S.
  2017; 129 (2): 139-140

- **Household triclosan and triclocarban effects on the infant and maternal microbiome.** *EMBO molecular medicine*
  Ribado, J. V., Ley, C. n., Haggerty, T. D., Tkachenko, E. n., Bhatt, A. S., Parsonnet, J. n.
  2017; 9 (12): 1732–41

- **Long-term taxonomic and functional divergence from donor bacterial strains following fecal microbiota transplantation in immunocompromised patients.** *PloS one*
  Moss, E. L., Falconer, S. B., Tkachenko, E. n., Wang, M. n., Systrom, H. n., Mahabamunuge, J. n., Relman, D. A., Hohmann, E. L., Bhatt, A. S.
  2017; 12 (8): e0182585

- **The Burden of Cancer in Asian Americans: A Report of National Mortality Trends by Asian Ethnicity** *CANCER EPIDEMIOLOGY BIOMARKERS & PREVENTION*

  Thompson, C. A., Gomez, S. L., Hastings, K. G., Kapphahn, K., Yu, P., Shariff-Marco, S., Bhatt, A. S., Wakelee, H. A., Patel, M. I., Cullen, M. R., Palaniappan, L. P.

  2016; 25 (10): 1371-1382

- **Infection Rates among Acute Leukemia Patients Receiving Alternative Donor Hematopoietic Cell Transplantation.** *Biology of blood and marrow transplantation*

  Ballen, K., Woo Ahn, K., Chen, M., Abdel-Azim, H., Ahmed, I., Aljurf, M., Antin, J., Bhatt, A. S., Boeckh, M., Chen, G., Dandoy, C., George, B., Laughlin, et al

  2016; 22 (9): 1636-1645

- **Antibiotics in Hematopoietic Cell Transplantation: Adversaries or Allies?** *BIOLOGY OF BLOOD AND MARROW TRANSPLANTATION*

  Andermann, T. M., Bhatt, A. S.

  2016; 22 (6): 972-974

- **Mapping global cancer research and control in areas of low and middle income: The need for shared data on a single, interactive platform**

  Chisti, A., Sharara, N., Gupta, M., Rosenberg, I., Abudu, R., Morgan, C., Duncan, K., Silkensen, S., Craycroft, J., Silva, J., Andre, B., Trimble, E., Bhatt, et al

  AMER SOC CLINICAL ONCOLOGY.2016

- **Increased GVHD-related mortality with broad-spectrum antibiotic use after allogeneic hematopoietic stem cell transplantation in human patients and mice** *SCIENCE TRANSLATIONAL MEDICINE*

  Shono, Y., Docampo, M. D., Peled, J. U., Perobelli, S. M., Velardi, E., Tsai, J. J., Slingerland, A. E., Smith, O. M., Young, L. F., Gupta, J., Lieberman, S. R., Jay, H. V., Ahr, et al

  2016; 8 (339)

- **Fecal Microbiota Transplant Is a Potentially Safe and Effective Treatment for Clostridium Difficile Infection in Hematopoietic Stem Cell Recipients**

  Falconer, S., Moss, E., Andermann, T., Systrom, H., Mahabamunuge, J., Hohmann, E., Bhatt, A. S.

  ELSEVIER SCIENCE INC.2016: S53–S54

- **Microbiota Manipulation With Prebiotics and Probiotics in Patients Undergoing Stem Cell Transplantation** *CURRENT HEMATOLOGIC MALIGNANCY REPORTS*

  Andermann, T. M., Rezvani, A., Bhatt, A. S.

  2016; 11 (1): 19-28

- **Microbiota Manipulation With Prebiotics and Probiotics in Patients Undergoing Stem Cell Transplantation.** *Current hematologic malignancy reports*

  Andermann, T. M., Rezvani, A., Bhatt, A. S.

  2016

- **Complete hematologic response of early T-cell progenitor acute lymphoblastic leukemia to the ?-secretase inhibitor BMS-906024: genetic and epigenetic findings in an outlier case.** *Cold Spring Harbor molecular case studies*

  Knoechel, B., Bhatt, A., Pan, L., Pedamallu, C. S., Severson, E., Gutierrez, A., Dorfman, D. M., Kuo, F. C., Kluk, M., Kung, A. L., Zweidler-McKay, P., Meyerson, M., Blacklow, et al

  2015; 1 (1)

- **Launching an Interactive Cancer Projects Map: A Collaborative Approach to Global Cancer Research and Program Development.** *Journal of global oncology*

  Trimble, E. L., Chisti, A. A., Craycroft, J. A., Duncan, K., Gupta, M., Gutierrez, D., Rosenberg, I., Sharara, N., Sivaram, S., Topazian, H. M., Wang, J. J., Williams, M. J., Huang, et al

  2015; 1 (1): 7–10

- **Epidemiologic Investigation of a Cluster of Neuroinvasive Bacillus cereus Infections in 5 Patients With Acute Myelogenous Leukemia.** *Open forum infectious diseases*

  Rhee, C., Klompas, M., Tamburini, F. B., Fremin, B. J., Chea, N., Epstein, L., Halpin, A. L., Guh, A., Gallen, R., Coulliette, A., Gee, J., Hsieh, C., Desjardins, et al

  2015; 2 (3): ofv096-?

- **The human microbiome in hematopoiesis and hematologic disorders.** *Blood*

  Manzo, V. E., Bhatt, A. S.

2015; 126 (3): 311-318

- **DNA copy number analysis of metastatic urothelial carcinoma with comparison to primary tumors** *BMC CANCER*
  Bambury, R. M., Bhatt, A. S., Riester, M., Pedamallu, C. S., Duke, F., Bellmunt, J., Stack, E. C., Werner, L., Park, R., Iyer, G., Loda, M., Kantoff, P. W., Michor, et al
  2015; 15

- **Complementary genomic approaches highlight the PI3K/mTOR pathway as a common vulnerability in osteosarcoma** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Perry, J. A., Kiezun, A., Tonzi, P., Van Allen, E. M., Carter, S. L., Baca, S. C., Cowley, G. S., Bhatt, A. S., Rheinbay, E., Pedamallu, C. S., Helman, E., Taylor-Weiner, A., McKenna, et al
  2014; 111 (51): E5564-E5573

- **Bacillus Cereus: A Leukemia-Specific, Neuroinvasive Pathogen?**
  Rhee, C., Manzo, V., Shea, T., Desjardins, C., van der Auwera, G., Young, S., Riley, A., DeAngelo, D. J., Baden, L. R., Gee, J., Meyerson, M., Klompas, M., Yokoe, et al
  AMER SOC HEMATOLOGY.2014

- **In Search of a Candidate Pathogen for Giant Cell Arteritis: Sequencing-Based Characterization of the Giant Cell Arteritis Microbiome** *ARTHRITIS & RHEUMATOLOGY*
  Bhatt, A. S., Manzo, V. E., Pedamallu, C. S., Duke, F., Cai, D., Bienfang, D. C., Padera, R. F., Meyerson, M., Docken, W. P.
  2014; 66 (7): 1939-1944

- **Comprehensive molecular characterization of urothelial bladder carcinoma** *NATURE*
  Weinstein, J. N., Akbani, R., Broom, B. M., Wang, W., Verhaak, R. G., McConkey, D., Lerner, S., Morgan, M., Creighton, C. J., Smith, C., Kwiatkowski, D. J., Cherniack, A. D., Kim, et al
  2014; 507 (7492): 315-322

- **Sequence-Based Discovery of Bradyrhizobium enterica in Cord Colitis Syndrome** *NEW ENGLAND JOURNAL OF MEDICINE*
  Bhatt, A. S., Freeman, S. S., Herrera, A. F., Pedamallu, C. S., Gevers, D., Duke, F., Jung, J., Michaud, M., Walker, B. J., Young, S., Earl, A. M., Kostic, A. D., Ojesina, et al
  2013; 369 (6): 517-528

- **NK-Cell and B-Cell Deficiency with a Thymic Mass** *NEW ENGLAND JOURNAL OF MEDICINE*
  Ng, S., Fanta, C., Okam, M., Bhatt, A. S.
  2011; 364 (6): 586-588

- **MT-SP1 proteolysis and regulation of cell-microenvironment interactions** *FRONTIERS IN BIOSCIENCE-LANDMARK*
  Darragh, M. R., Bhatt, A. S., Craik, C. S.
  2008; 13: 528-539

- **Coordinate expression and functional profiling identify an extracellular proteolytic signaling pathway** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Bhatt, A. S., Welm, A., Farady, C. J., Vasquez, M., Wilson, K., Craik, C. S.
  2007; 104 (14): 5771-5776

- **Hepatocyte growth factor is a preferred in vitro substrate for human hepsin, a membrane-anchored serine protease implicated in prostate and ovarian cancers** *BIOCHEMICAL JOURNAL*
  Herter, S., Piper, D. E., Aaron, W., Gabriele, T., Cutler, G., Cao, P., Bhattt, A. S., Choe, Y., CRAIK, C. S., Walker, N., Meininger, D., Hoey, T., Austin, et al
  2005; 390: 125-136

- **Adhesion signaling by a novel mitotic substrate of src kinases** *ONCOGENE*
  Bhatt, A. S., Erdjument-Bromage, H., Tempst, P., CRAIK, C. S., Moasser, M. M.
  2005; 24 (34): 5333-5343

- **Substrates of the prostate-specific serine protease prostase/KLK4 defined by positional-scanning peptide libraries** *PROSTATE*
  Matsumura, M., Bhatt, A. S., Andress, D., Clegg, N., Takayama, T. K., CRAIK, C. S., Nelson, P. S.
  2005; 62 (1): 1-13

- **Quantitation of membrane type serine protease 1 (MT-SP1) in transformed and normal cells** *BIOLOGICAL CHEMISTRY*
  Bhatt, A. S., Takeuchi, T., Ylstra, B., Ginzinger, D., Albertson, D., Shuman, M. A., CRAIK, C. S.

2003; 384 (2): 257-266