



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 Department
- 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
- Faculty Fellow, Sarafan ChEM-H
- 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 (2025)
- Fellowship: Brigham and Women's Hospital Harvard Medical School (2014) MA
- Residency: Brigham and Women's Hospital Harvard Medical School (2011) MA
- Medical Education: University of California - San Francisco (2007) CA
- 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

- Fructooligosaccharides in Treating Patients With Blood Cancer Undergoing Donor Stem Cell Transplant, Not Recruiting
- 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

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)

2021-22

- Advanced Seminar in Microbial Molecular Biology: BIO 346, CSB 346, GENE 346 (Win)
- 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, Elysse Grossi-Soyster, Pranav Lalgudi, Zhiru Liu, Sophie Walton

Postdoctoral Faculty Sponsor

Rachael Chanin, Yuya Kiguchi, Jordan Lin, Dylan Maghini, Aravind Natarajan, Yishay Pinto, Jakob Wirbel

Doctoral Dissertation Advisor (AC)

Aaron Behr, Sierra Bowden, Meena Chakraborty, Jane Cook, Mai Dvorak, Matthew Gill, Matt Grieshop, Angela Hickey, Imani Porter, Danica Schmidtke

Doctoral Dissertation Co-Advisor (AC)

Nora Enright, Ann Lin, Jack Shanahan

Postdoctoral Research Mentor

Rachael Chanin, Yuya Kiguchi, Aravind Natarajan, Yishay Pinto, Jakob Wirbel

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Biomedical Informatics (Phd Program)
- Genetics (Phd Program)
- Hematology (Fellowship Program)
- Oncology (Fellowship Program)

Publications

PUBLICATIONS

- **Phage-inclusive profiling of human gut microbiomes with Phanta.** *Nature biotechnology*
Pinto, Y., Chakraborty, M., Jain, N., Bhatt, A. S.
2023
- **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
- **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
- **Intragenic DNA inversions expand bacterial coding capacity.** *bioRxiv : the preprint server for biology*
Chanin, R. B., West, P. T., Park, R. M., Wirbel, J., Green, G. Z., Miklos, A. M., Gill, M. O., Hickey, A. S., Brooks, E. F., 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
- **Equitable partnerships and the path to inclusive, innovative and impactful human microbiome research.** *Nature reviews. Gastroenterology & hepatology*
Oduaran, O. H., Bhatt, A. S.
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-+
- **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
- **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., Gelsing, 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
 - **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 #-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
 - **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., Kasselmann, 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., Litzzenburger, 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
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