



## Purvesh Khatri

Professor of Medicine (Computational Medicine - ITI Institute)

 NIH Biosketch available Online

 Curriculum Vitae available Online

### CONTACT INFORMATION

#### • Alternate Contact

Mary Watson - Administrative Assistant

**Email** [mwatson5@stanford.edu](mailto:mwatson5@stanford.edu)

### Bio

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#### ACADEMIC APPOINTMENTS

- Professor, Medicine
- Member, Bio-X
- Member, Cardiovascular Institute
- Member, Wu Tsai Human Performance Alliance
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Medicine Children's Health Center for IBD and Celiac Disease

#### ADMINISTRATIVE APPOINTMENTS

- Assistant Professor, Institute for Immunity, Transplantation and Infection, (2014- present)

### Research & Scholarship

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#### CLINICAL TRIALS

- Longitudinal Gene Expression Profiling in Adults After Traumatic Injury, Not Recruiting

### Teaching

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#### COURSES

##### 2023-24

- Emerging Topics in Computational Immunology: IMMUNOL 312 (Sum)

##### 2022-23

- Seminars in Computational and Systems Immunology: IMMUNOL 310 (Sum)

#### STANFORD ADVISEES

##### Doctoral Dissertation Reader (AC)

Filipe Araujo Hoffmann, Humza Khan

**Postdoctoral Faculty Sponsor**

Caroline Duncombe

**Doctoral Dissertation Advisor (AC)**

Isha Arora, Jeanna Enriquez, Evan Maestri, Holly McCann, Chris Geo Provideo, Clove Taylor

**Master's Program Advisor**

Loran Baxter Mercado, Helen Sun

**GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS**

- Biomedical Data Science (Phd Program)
- Immunology (Phd Program)

**Publications**

**PUBLICATIONS**

- **Human vaccine responses regulated by parallel cytokine pathways.** *Nature immunology*  
Chen, G., Guo, J., Heath, J., Prestwood, T. R., Kwon, W. J., Smith, A. R., Nguyen, T. T., Kathuria, K. R., Sola, E., Sangare, A., Mallajosyula, V., Furuichi Fong, R., Mohsin, et al  
2026
- **TGF $\beta$ -PDL1 signaling in neutrophils preserves lung barrier during hyperinflammation.** *Blood*  
Li, Z., Moore, A. R., Zheng, H., Karunamurthy, J., Bhagrath, A., Li, J., Young, D., Jurado, L. F., Couto, K., Kulle, A., Park, H., Kwak, A., Belur, et al  
2026
- **Novel Netrin-1-Unc5b-Klf4 axis balances AT2 survival in experimental bronchopulmonary dysplasia.** *American journal of respiratory cell and molecular biology*  
Klymenko, O., Mohr, J., Danopoulos, S., Mizik, I., Kuiper-Makris, C., Stephan, S., Mahjoub, M. A., Alvira, C. M., Rheindorf, D., Imhof, T., Akgul, S., Donato, M., Ebert, et al  
2026
- **CRITICAL CARE IMMUNE DYSREGULATION FRAMEWORK DIFFERENTIATES SEPTIC AND CARIOGENIC SHOCK**  
Ghaffari, K., Moore, A., Sanchez, P., Rogers, A., Khatri, P.  
LIPPINCOTT WILLIAMS & WILKINS.2026
- **Author Correction: Combined inhibition of BET family proteins and histone deacetylases as a potential epigenetics-based therapy for pancreatic ductal adenocarcinoma.** *Nature medicine*  
Mazur, P. K., Herner, A., Mello, S. S., Wirth, M., Hausmann, S., Sánchez-Rivera, F. J., Lofgren, S. M., Kuschma, T., Hahn, S. A., Vangala, D., Trajkovic-Arsic, M., Gupta, A., Heid, et al  
2026
- **Compact RNA sensors for increasingly complex functions of multiple inputs.** *Nature chemistry*  
Choe, C. A., Andreasson, J. O., Melaine, F., Kladwang, W., Wu, M. J., Portela, F., Wellington-Oguri, R., Nicol, J. J., Wayment-Steele, H. K., Gotrik, M., Khatri, P., Greenleaf, W. J., Das, et al  
2025
- **International multi-cohort analysis identifies novel framework for quantifying immune dysregulation in sepsis with prognostic and therapeutic significance**  
Moore, A. R., Zheng, H., Ganesan, A., Hasin-Brumshtein, Y., Sweeney, T. E., Rogers, A. J., Khatri, P.  
OXFORD UNIV PRESS.2025: 75-76
- **Cross-tissue single-cell landscape of neutrophil heterogeneity and immunity in health and disease**  
Zheng, H., Maestri, E., Ganesan, A., Moore, A. R., Enriquez, J., Khatri, P.  
OXFORD UNIV PRESS.2025
- **Multi-cohort single-cell transcriptomic analysis reveals conserved endotypes of lupus**  
Maestri, E., Zheng, H., Khatri, P.

OXFORD UNIV PRESS.2025

- **A natural adjuvant underlies vaccine response variability in humans**  
Chen, G., Sola, E., Mohsin, A., Grant, P., Shen-Orr, S. S., Maecker, H. T., Khatri, P., Davis, M. M.  
OXFORD UNIV PRESS.2025
- **Author Correction: A consensus immune dysregulation framework for sepsis and critical illnesses.** *Nature medicine*  
Moore, A. R., Zheng, H., Ganesan, A., Hasin-Brumshtein, Y., Maddali, M. V., Levitt, J. E., van der Poll, T., Lu, J., Bouma, H. R., Scicluna, B. P., Giamarellos-Bourboulis, E. J., Kotsaki, A., Martin-Loeches, et al  
2025
- **Targeting IL6-Edn1-FoxO1 axis enables lung growth in mechanically ventilated newborn mice.** *The European respiratory journal*  
Hirani, D., Selle, J., Wagde, V., Klymenko, O., Kuiper-Makris, C., Danopoulos, S., Donato, M., Preuss, S., Preuss, M., Mujahid, S., Vohlen, C., Wulf, K., van Koningsbruggen-Rietschel, et al  
2025
- **Clinical validation of an AI-based blood testing device for diagnosis and prognosis of acute infection and sepsis.** *Nature medicine*  
Liesenfeld, O., Arora, S., Aufderheide, T. P., Clements, C. M., DeVos, E., Fischer, M., Giamarellos-Bourboulis, E. J., House, S., Humphries, R. L., Gill, J. K., Liu, E., Mace, S. E., May, et al  
2025
- **A consensus immune dysregulation framework for sepsis and critical illnesses.** *Nature medicine*  
Moore, A. R., Zheng, H., Ganesan, A., Hasin-Brumshtein, Y., Maddali, M. V., Levitt, J. E., van der Poll, T., Lu, J., Bouma, H. R., Scicluna, B. P., Giamarellos-Bourboulis, E. J., Kotsaki, A., Martin-Loeches, et al  
2025
- **A consensus blood transcriptomic framework for sepsis.** *Nature medicine*  
Scicluna, B. P., Cano-Gamez, K., Burnham, K. L., Davenport, E. E., Moore, A. R., Khan, S., Hinds, C. J., Cremer, O. L., Khatri, P., Sweeney, T. E., Knight, J. C., van der Poll, T.  
2025
- **Normal Treg homeostasis and suppressive function require both FOXP1 and FOXP4.** *JCI insight*  
Dong, D., Sindhava, V. J., Ganesan, A., Naradikian, M. S., Stephen, T. L., Frisch, A., Valentine, K. M., Buza, E., Wiehagen, K. R., Cancro, M. P., Morrissey, E. E., Tucker, H., Hoyer, et al  
2025
- **Multi-cohort analysis identifies a blood-based immune transcriptomic signature for early lung cancer detection.** *NPJ precision oncology*  
Zheng, H., Rao, A. M., Ganesan, A., Soh, H. T., Ponder, B. A., Rintoul, R. C., Khatri, P.  
2025; 9 (1): 246
- **29-mRNA host response signatures for classification of bacterial infection, viral infection and disease progression in COVID-19 pneumonia: a post hoc analysis of the SAVE-MORE randomized clinical trial.** *Intensive care medicine experimental*  
Kyriazopoulou, E., Kotsaki, A., Safarika, A., Poulakou, G., Milionis, H., Metallidis, S., Adamis, G., Fragkou, A., Rapti, A., Del Vecchio, P., Kalomenidis, I., Kitzoglou, D., Angheben, et al  
2025; 13 (1): 67
- **A conserved immune dysregulation signature is associated with infection severity, risk factors prior to infection, and treatment response.** *Immunity*  
Ganesan, A., Moore, A. R., Zheng, H., Toh, J., Freedman, M., Magis, A. T., Heath, J. R., Khatri, P.  
2025
- **scMetalIntegrator: a meta-analysis approach to paired single-cell differential expression analysis.** *bioRxiv : the preprint server for biology*  
Ratnasiri, K., Mach, S. N., Blish, C. A., Khatri, P.  
2025
- **Distinct type I and II interferon responses direct cortical and medullary thymic epithelial cell development.** *Science immunology*  
Mohammed, A., Wang, W., Arreola, M., Solomon, B. D., Slepicka, P. F., Hubka, K. M., Nguyen, H. D., Zheng, Z., Chavez, M. G., Yeh, C. Y., Kim, D. K., Ma, M. R., Martin, et al  
2025; 10 (107): eado4720
- **Age-dependent cytokine surge in blood precedes cancer diagnosis.** *Proceedings of the National Academy of Sciences of the United States of America*

- Chen, G., Mohsin, A., Zheng, H., Rosenberg-Hasson, Y., Padilla, C., Sarin, K. Y., Dekker, C. L., Grant, P., Maecker, H. T., Lu, Y., Furman, D., Shen-Orr, S., Khatri, et al  
2025; 122 (12): e2420502122
- **A 29-MRNA HOST RESPONSE TEST REDUCES FALSE NEGATIVES AND ACCURATELY PREDICTS INFECTION SEVERITY**  
Damaraju, N., Mayhew, M., Hasin-Brumshtein, Y., Buturovic, L., Khatri, P.  
LIPPINCOTT WILLIAMS & WILKINS.2025
  - **SEVERE OR MILD TRANSCRIPTOMIC SCORE IS CONSERVED IN INFECTIOUS AND NONINFECTIOUS CRITICAL ILLNESS**  
Ganesan, A., Moore, A., Zheng, H., Freedman, M., Rogers, A., Khatri, P.  
LIPPINCOTT WILLIAMS & WILKINS.2025
  - **MULTI-COHORT ANALYSIS IDENTIFIES CONSENSUS SEPSIS CLUSTERS WITH PROGNOSTIC AND THERAPEUTIC RELEVANCE**  
Moore, A., Zheng, H., Ganesan, A., Hasin-Brumshtein, Y., van der Poll, T., Scicluna, B., Giamarellos-Bourboulis, E., Martin-Loeches, I., Rothman, R., Atreya, M., Moldawer, L., Marcela, K., Karvunidis, et al  
LIPPINCOTT WILLIAMS & WILKINS.2025
  - **Multicohort Analysis of Bronchial Epithelial Cell Expression in Healthy Subjects and Patients with Asthma Reveals Four Clinically Distinct Clusters.** *American journal of respiratory cell and molecular biology*  
Lee, I., Ganesan, A., Kalesinskas, L., Zheng, H., Ahn, H. C., Christenson, S., Erzurum, S. C., Zein, J., Bleecker, E. R., Meyers, D. A., Castro, M., Fahy, J. V., Israel, et al  
2024
  - **Multi-modal analysis reveals tumor and immune features distinguishing EBV-positive and EBV-negative post-transplant lymphoproliferative disorders.** *Cell reports. Medicine*  
Toh, J., Reitsma, A. J., Tajima, T., Younes, S. F., Ezeiruaku, C., Jenkins, K. C., Peña, J. K., Zhao, S., Wang, X., Lee, E. Y., Glass, M. C., Kalesinskas, L., Ganesan, et al  
2024: 101851
  - **Impact of air pollution exposure on cytokines and histone modification profiles at single-cell levels during pregnancy.** *Science advances*  
Jung, Y. S., Aguilera, J., Kaushik, A., Ha, J. W., Cansdale, S., Yang, E., Ahmed, R., Lurmann, F., Lutzker, L., Hammond, S. K., Balmes, J., Noth, E., Burt, et al  
2024; 10 (48): eadp5227
  - **International multi-cohort analysis identifies novel framework for quantifying immune dysregulation in critical illness: results of the SUBSPACE consortium.** *bioRxiv : the preprint server for biology*  
Moore, A. R., Zheng, H., Ganesan, A., Hasin-Brumshtein, Y., Maddali, M. V., Levitt, J. E., van der Poll, T., Scicluna, B. P., Giamarellos-Bourboulis, E. J., Kotsaki, A., Martin-Loeches, I., Garduno, A., Rothman, et al  
2024
  - **Sialylated IgG induces the transcription factor REST in alveolar macrophages to protect against lung inflammation and severe influenza disease.** *Immunity*  
Chakraborty, S., Cheng, B. Y., Edwards, D. L., Gonzalez, J. C., Chiu, D. K., Zheng, H., Scallan, C., Guo, X., Tan, G. S., Coffey, G. P., Conley, P. B., Hume, P. S., Janssen, et al  
2024
  - **Causal inference can lead us to modifiable mechanisms and informative archetypes in sepsis.** *Intensive care medicine*  
Baillie, J. K., Angus, D., Burnham, K., Calandra, T., Calfee, C., Gutteridge, A., Hachohen, N., Khatri, P., Langley, R., Ma'ayan, A., Marshall, J., Maslove, D., Prescott, et al  
2024
  - **Clustering of clinical symptoms using large language models reveals low diagnostic specificity of proposed alternatives to consensus mast cell activation syndrome criteria.** *The Journal of allergy and clinical immunology*  
Solomon, B. D., Khatri, P.  
2024
  - **Author Correction: Specific CD4+ T cell phenotypes associate with bacterial control in people who 'resist' infection with Mycobacterium tuberculosis.** *Nature immunology*  
Sun, M., Phan, J. M., Kieswetter, N. S., Huang, H., Yu, K. K., Smith, M. T., Liu, Y. E., Wang, C., Gupta, S., Obermoser, G., Maecker, H. T., Krishnan, A., Suresh, et al  
2024

- **Clinical immunity to malaria involves epigenetic reprogramming of innate immune cells.** *PNAS nexus*  
Nideffer, J., Ty, M., Donato, M., John, R., Kajubi, R., Ji, X., Nankya, F., Musinguzi, K., Press, K. D., Yang, N., Camanag, K., Greenhouse, B., Kamya, et al  
2024; 3 (8): pgae325
- **Identification and transcriptomic assessment of latent profile pediatric septic shock phenotypes.** *Critical care (London, England)*  
Atreya, M. R., Huang, M., Moore, A. R., Zheng, H., Hasin-Brumshtein, Y., Fitzgerald, J. C., Weiss, S. L., Cvijanovich, N. Z., Bigham, M. T., Jain, P. N., Schwarz, A. J., Lutfi, R., Nowak, et al  
2024; 28 (1): 246
- **Specific CD4+ T cell phenotypes associate with bacterial control in people who 'resist' infection with Mycobacterium tuberculosis.** *Nature immunology*  
Sun, M., Phan, J. M., Kieswetter, N. S., Huang, H., Yu, K. K., Smith, M. T., Liu, Y. E., Wang, C., Gupta, S., Obermoser, G., Maecker, H. T., Krishnan, A., Suresh, et al  
2024
- **Author Correction: Combined inhibition of BET family proteins and histone deacetylases as a potential epigenetics-based therapy for pancreatic ductal adenocarcinoma.** *Nature medicine*  
Mazur, P. K., Herner, A., Mello, S. S., Wirth, M., Hausmann, S., Sánchez-Rivera, F. J., Lofgren, S. M., Kuschma, T., Hahn, S. A., Vangala, D., Trajkovic-Arsic, M., Gupta, A., Heid, et al  
2024
- **Altered T cell phenotypes in M. tuberculosis 'resisters' correlated with bacterial control**  
Sun, M., Phan, J., Kieswetter, N., Yu, K., Smith, M., Huang, H., Liu, Y., Gupta, S., Obermoser, G., Maecker, H., Krishnan, A., Suresh, S., Rieck, et al  
AMER ASSOC IMMUNOLOGISTS.2024
- **42-gene Severe-or-Mild (SOM) gene expression signature is conserved across viral and bacterial infections and originates from developing neutrophils**  
Moore, A., Freedman, M., Zheng, H., Ganesan, A., Rogers, A., Khatri, P.  
AMER ASSOC IMMUNOLOGISTS.2024
- **Cross-tissue single-cell landscape of neutrophil heterogeneity and immunity in health and disease**  
Zheng, H., Maestri, E., Khatri, P.  
AMER ASSOC IMMUNOLOGISTS.2024
- **Transitions of blood immune endotypes and improved outcome by anakinra in COVID-19 pneumonia: an analysis of the SAVE-MORE randomized controlled trial.** *Critical care (London, England)*  
Kyriazopoulou, E., Hasin-Brumshtein, Y., Midic, U., Poulakou, G., Milionis, H., Metallidis, S., Astriti, M., Fragkou, A., Rapti, A., Taddei, E., Kalomenidis, I., Chrysos, G., Angheben, et al  
2024; 28 (1): 73
- **Impaired innate and adaptive immune responses to BNT162b2 SARS-CoV-2 vaccination in systemic lupus erythematosus.** *JCI insight*  
Sarin, K. Y., Zheng, H., Chaichian, Y., Arunachalam, P. S., Swaminathan, G., Eschholz, A., Gao, F., Wirz, O. F., Lam, B., Yang, E., Lee, L. W., Feng, A., Lewis, et al  
2024; 9 (5)
- **Integrative systems biology reveals NKG2A-biased immune responses correlate with protection in infectious disease, autoimmune disease, and cancer.** *Cell reports*  
Chen, D. G., Xie, J., Choi, J., Ng, R. H., Zhang, R., Li, S., Edmark, R., Zheng, H., Solomon, B., Campbell, K. M., Medina, E., Ribas, A., Khatri, et al  
2024; 43 (3): 113872
- **Corrigendum: Advances and potential of omics studies for understanding the development of food allergy.** *Frontiers in allergy*  
Sindher, S. B., Chin, A. R., Aghaepour, N., Prince, L., Maecker, H., Shaw, G. M., Stevenson, D., Nadeau, K. C., Snyder, M., Khatri, P., Boyd, S. D., Winn, V. D., Angst, et al  
2024; 5: 1373485
- **Air Pollution and Pregnancy: Insights into Immune Response, Histone Modifications, and Cytokine Signatures**  
Jung, Y., Ha, J., Aguilera, J., Kaushik, A., Cansdale, S., Yang, E., Dermadi, D., Lurmann, F., Lutzker, L., Hammond, K., Balmes, J., Noth, E., Eisen, et al  
MOSBY-ELSEVIER.2024: AB370

- **Systems immunology of transcriptional responses to viral infection identifies conserved antiviral pathways across macaques and humans.** *Cell reports*  
Ratnasiri, K., Zheng, H., Toh, J., Yao, Z., Duran, V., Donato, M., Roederer, M., Kamath, M., Todd, J. M., Gagne, M., Foulds, K. E., Francica, J. R., Corbett, et al  
2024; 43 (2): 113706
- **Compact RNA sensors for increasingly complex functions of multiple inputs.** *bioRxiv : the preprint server for biology*  
Choe, C., Andreasson, J. O., Melaine, F., Kladwang, W., Wu, M. J., Portela, F., Wellington-Oguri, R., Nicol, J. J., Wayment-Steele, H. K., Gotrik, M., Participants, E., Khatri, P., Greenleaf, et al  
2024
- **Structured Knowledge Base Enhances Effective Use of Large Language Models for Metadata Curation.** *AMIA ... Annual Symposium proceedings. AMIA Symposium*  
Sundaram, S. S., Solomon, B., Khatri, A., Laumas, A., Khatri, P., Musen, M. A.  
2024; 2024: 1050-1058
- **Derivation, validation, and transcriptomic assessment of pediatric septic shock phenotypes identified through latent profile analyses: Results from a prospective multi-center observational cohort.** *Research square*  
Atreya, M. R., Huang, M., Moore, A. R., Zheng, H., Hasin-Brumshtein, Y., Fitzgerald, J. C., Weiss, S. L., Cvijanovich, N. Z., Bigham, M. T., Jain, P. N., Schwarz, A. J., Lutfi, R., Nowak, et al  
2023
- **Epigenetic Profiling of PTPN11 Mutant JMML Hematopoietic Stem and Progenitor Cells Reveals an Aberrant Histone Landscape.** *Cancers*  
Sinha, R., Dvorak, M., Ganesan, A., Kalesinskas, L., Niemeyer, C. M., Flotho, C., Sakamoto, K. M., Lacayo, N., Patil, R. V., Perriman, R., Cepika, A. M., Liu, Y. L., Kuo, et al  
2023; 15 (21)
- **An NKG2A biased immune response confers protection for infection, autoimmune disease, and cancer.** *Research square*  
Heath, J., Chen, D., Xie, J., Choi, J., Ng, R., Zhang, R., Li, S., Edmark, R., Zheng, H., Solomon, B., Campbell, K., Medina, E., Ribas, et al  
2023
- **Signature-driven repurposing of Midostaurin for combination with MEK1/2 and KRASG12C inhibitors in lung cancer.** *Nature communications*  
Macaya, I., Roman, M., Welch, C., Entrialgo-Cadierno, R., Salmon, M., Santos, A., Feliu, I., Kovalski, J., Lopez, I., Rodriguez-Remirez, M., Palomino-Echeverria, S., Longren, S. M., Ferrero, et al  
2023; 14 (1): 6332
- **Multi-omics analysis of mucosal and systemic immunity to SARS-CoV-2 after birth.** *Cell*  
Wimmers, F., Burrell, A. R., Feng, Y., Zheng, H., Arunachalam, P. S., Hu, M., Spranger, S., Nyhoff, L. E., Joshi, D., Trisal, M., Awasthi, M., Bellusci, L., Ashraf, et al  
2023
- **A machine learning classifier using 33 host immune response mRNAs accurately distinguishes viral and non-viral acute respiratory illnesses in nasal swab samples.** *Genome medicine*  
Pandya, R., He, Y. D., Sweeney, T. E., Hasin-Brumshtein, Y., Khatri, P.  
2023; 15 (1): 64
- **Ancestry-based differences in the immune phenotype are associated with lupus activity.** *JCI insight*  
Slight-Webb, S., Thomas, K., Smith, M., Wagner, C. A., Macwana, S., Bylinska, A., Donato, M., Dvorak, M., Chang, S. E., Kuo, A., Cheung, P., Kalesinskas, L., Ganesan, et al  
2023; 8 (16)
- **RUNX1 loss renders hematopoietic and leukemic cells dependent on interleukin-3 and sensitive to JAK inhibition.** *The Journal of clinical investigation*  
Fan, A. C., Nakauchi, Y., Bai, L., Azizi, A., Nuno, K. A., Zhao, F., Köhnke, T., Karigane, D., Cruz-Hernandez, D., Reinisch, A., Khatri, P., Majeti, R.  
2023
- **Blood transcriptional correlates of BCG-induced protection against tuberculosis in rhesus macaques.** *Cell reports. Medicine*  
Liu, Y. E., Darrach, P. A., Zeppa, J. J., Kamath, M., Laboune, F., Douek, D. C., Maiello, P., Roederer, M., Flynn, J. L., Seder, R. A., Khatri, P.  
2023: 101096

- **Addendum: Systems vaccinology of the BNT162b2 mRNA vaccine in humans.** *Nature*  
Arunachalam, P. S., Scott, M. K., Hagan, T., Li, C., Feng, Y., Wimmers, F., Grigoryan, L., Trisal, M., Edara, V. V., Lai, L., Chang, S. E., Feng, A., Dhingra, et al  
2023
- **Advances and potential of omics studies for understanding the development of food allergy.** *Frontiers in allergy*  
Sindher, S. B., Chin, A. R., Aghaeepour, N., Prince, L., Maecker, H., Shaw, G. M., Stevenson, D. K., Nadeau, K. C., Snyder, M., Khatri, P., Boyd, S. D., Winn, V. D., Angst, et al  
2023; 4: 1149008
- **The impacts of ambient air pollution exposure during pregnancy on maternal and neonatal inflammatory biomarkers**  
Ha, J., Aguilera, J., Jung, Y., Cansdale, S., Lurmann, F., Lutzker, L., Hammond, K., Balmes, J., Noth, E., Eisen, E., Aghaeepour, N., Shaw, G., Waldrop, et al  
MOSBY-ELSEVIER.2023: AB119
- **Malaria-driven expansion of adaptive-like functional CD56-negative NK cells correlates with clinical immunity to malaria.** *Science translational medicine*  
Ty, M., Sun, S., Callaway, P. C., Rek, J., Press, K. D., van der Ploeg, K., Nideffer, J., Hu, Z., Klemm, S., Greenleaf, W., Donato, M., Tukwasibwe, S., Arinaitwe, et al  
2023; 15 (680): eadd9012
- **Multi-site validation of a host response signature for predicting likelihood of bacterial and viral infections in patients with suspected influenza.** *European journal of clinical investigation*  
Shojaei, M., Chen, U., Midic, U., Thair, S., Teoh, S., McLean, A., Sweeney, T. E., Thompson, M., Liesenfeld, O., Khatri, P., Tang, B.  
2023: e13957
- **Inferring direction of associations between histone modifications using a neural processes-based framework.** *iScience*  
Ganesan, A., Dermadi, D., Kalesinskas, L., Donato, M., Sowers, R., Utz, P. J., Khatri, P.  
2023; 26 (1): 105756
- **Characterising the autoantibody repertoire in systemic sclerosis following myeloablative haematopoietic stem cell transplantation.** *Annals of the rheumatic diseases*  
Ayoglu, B., Donato, M., Furst, D. E., Crofford, L. J., Goldmuntz, E., Keyes-Elstein, L., James, J., Macwana, S., Mayes, M. D., McSweeney, P., Nash, R. A., Sullivan, K. M., Welch, et al  
2023
- **Lamc2 Regulates Key Transcriptional and Targetable Effectors to Support Pancreatic Cancer Growth.** *Clinical cancer research : an official journal of the American Association for Cancer Research*  
Erice, O., Narayanan, S., Feliu, I., Entrialgo-Cadierno, R., Malinova, A., Vicentini, C., Guruceaga, E., Delfino, P., Trajkovic-Arsic, M., Moreno, H., Valencia, K., Blanco, E., Macaya, et al  
2023
- **Prediction of HLA genotypes from single-cell transcriptome data.** *Frontiers in immunology*  
Solomon, B. D., Zheng, H., Dillon, L. W., Goldman, J. D., Hourigan, C. S., Heath, J. R., Khatri, P.  
2023; 14: 1146826
- **Mass-cytometry-based quantitation of global histone post-translational modifications at single-cell resolution across peripheral immune cells in IBD.** *Journal of Crohn's & colitis*  
Bai, L., Dermadi, D., Kalesinskas, L., Dvorak, M., Chang, S. E., Ganesan, A., Rubin, S. J., Kuo, A., Cheung, P., Donato, M., Utz, P. J., Habtezion, A., Khatri, et al  
2022
- **A robust host-response-based signature distinguishes bacterial and viral infections across diverse global populations.** *Cell reports. Medicine*  
Rao, A. M., Popper, S. J., Gupta, S., Davong, V., Vaidya, K., Chanthongthip, A., Dittrich, S., Robinson, M. T., Vongsouvath, M., Mayxay, M., Nawtaisong, P., Karmacharya, B., Thair, et al  
2022; 3 (12): 100842
- **Single-cell RNA-seq methods to interrogate virus-host interactions.** *Seminars in immunopathology*  
Ratnasiri, K., Wilk, A. J., Lee, M. J., Khatri, P., Blish, C. A.  
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