



## Hadeesha Piyadasa

Postdoctoral Scholar, Pathology

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### Bio

#### STANFORD ADVISORS

- Sean Bendall, Postdoctoral Faculty Sponsor

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### Research & Scholarship

#### LAB AFFILIATIONS

- Sean Bendall (8/17/2020)

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### Publications

#### PUBLICATIONS

- **Multi-omic landscape of human gliomas from diagnosis to treatment and recurrence.** *Cancer cell*  
Piyadasa, H., Oberlton, B., Ribi, M., Leow, K., Ranek, J. S., Averbukh, I., Amouzgar, M., Liu, C. C., Franchina, D. G., Greenwald, N. F., McCaffrey, E. F., Kumar, R., Ferrian, et al  
2025
- **MAPK- driven glioma progression and reprogramming of the tumor-associated immune response**  
Hashemi, E., Akshaya, R. L., Wang, L., Voong, V., Piyadasa, H., Oberlton, B., Bergland, S., Kumar, A., Prins, R., Bendall, S. C., Angelo, M., Berger, M. S., Hervey-Jumper, et al  
OXFORD UNIV PRESS INC.2025: v465
- **Automated classification of cellular expression in multiplexed imaging data with Nimbus.** *Nature methods*  
Rumberger, J. L., Greenwald, N. F., Ranek, J. S., Boonrat, P., Walker, C., Franzen, J., Varra, S. R., Kong, A., Sowers, C., Liu, C. C., Averbukh, I., Piyadasa, H., Vanguri, et al  
2025
- **Multi-omic landscape of human gliomas from diagnosis to treatment and recurrence.** *bioRxiv : the preprint server for biology*  
Piyadasa, H., Oberlton, B., Ribi, M., Ranek, J. S., Averbukh, I., Leow, K., Amouzgar, M., Liu, C. C., Greenwald, N. F., McCaffrey, E. F., Kumar, R., Ferrian, S., Tsai, et al  
2025
- **Temporal and spatial composition of the tumor microenvironment predicts response to immune checkpoint inhibition.** *bioRxiv : the preprint server for biology*  
Greenwald, N. F., Nederlof, I., Sowers, C., Ding, D. Y., Park, S., Kong, A., Houlahan, K. E., Varra, S. R., de Graaf, M., Geurts, V., Liu, C. C., Ranek, J. S., Voorwerk, et al  
2025
- **Automated classification of cellular expression in multiplexed imaging data with Nimbus.** *bioRxiv : the preprint server for biology*  
Rumberger, J. L., Greenwald, N. F., Ranek, J. S., Boonrat, P., Walker, C., Franzen, J., Varra, S. R., Kong, A., Sowers, C., Liu, C. C., Averbukh, I., Piyadasa, H., Vanguri, et al  
2024

- **Rapid Setup of Tissue Microarray and Tiled Area Imaging on the Multiplexed Ion Beam Imaging Microscope using the Tile/SED/Array Interface.** *Journal of visualized experiments : JoVE*  
Piyadasa, H., Oberlton, B., Kong, A., Camacho Fullaway, C., Reddy Varra, S., Sowers, C., Tsai, A. G.  
2023
- **A spatially resolved timeline of the human maternal-fetal interface.** *Nature*  
Greenbaum, S., Averbukh, I., Soon, E., Rizzuto, G., Baranski, A., Greenwald, N. F., Kagel, A., Bosse, M., Jaswa, E. G., Khair, Z., Kwok, S., Warshawsky, S., Piyadasa, et al  
2023; 619 (7970): 595-605
- **Spatial proteomics of tumor microenvironments reveal why location matters.** *Nature immunology*  
Piyadasa, H., Angelo, M., Bendall, S. C.  
2023
- **Combination of IL-17A/F and TNF-alpha uniquely alters the bronchial epithelial cell proteome to enhance proteins that augment neutrophil migration.** *Journal of inflammation (London, England)*  
Altieri, A., Piyadasa, H., Hemshekhar, M., Osawa, N., Recksiedler, B., Spicer, V., Hiemstra, P. S., Halayko, A. J., Mookherjee, N.  
2022; 19 (1): 26
- **Characterization of sex-related differences in allergen house dust mite-challenged airway inflammation, in two different strains of mice.** *Scientific reports*  
Mostafa, D. H., Hemshekhar, M., Piyadasa, H., Altieri, A., Halayko, A. J., Pascoe, C. D., Mookherjee, N.  
2022; 12 (1): 20837
- **Rodent Lung Tissue Sample Preparation and Processing for Shotgun Proteomics.** *Methods in molecular biology (Clifton, N.J.)*  
Piyadasa, H., Lao, Y., Krokhn, O., Mookherjee, N.  
2022; 2456: 53-62
- **Sex Dimorphism of Allergen-Induced Secreted Proteins in Murine and Human Lungs.** *Frontiers in immunology*  
Hemshekhar, M., Mostafa, D. H., Spicer, V., Piyadasa, H., Maestre-Battle, D., Bolling, A. K., Halayko, A. J., Carlsen, C., Mookherjee, N.  
2022; 13: 923986
- **Disrupting Tryptophan in the Central Hydrophobic Region Selectively Mitigates Immunomodulatory Activities of the Innate Defence Regulator Peptide IDR-1002.** *Journal of medicinal chemistry*  
Piyadasa, H., Hemshekhar, M., Osawa, N., Lloyd, D., Altieri, A., Basu, S., Krokhn, O. V., Halayko, A. J., Mookherjee, N.  
2021