

## Alea Christine Delmastro

Ph.D. Student in Immunology, admitted Autumn 2021

### Publications

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#### PUBLICATIONS

- **Temporal and spatial composition of the tumor microenvironment predicts response to immune checkpoint inhibition in metastatic TNBC.** *Nature cancer*  
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  
2026
- **Therapeutic remodeling of the tuberculosis granuloma with 1-methyl-D-tryptophan enhances CD8+T cell-macrophage interactions.** *bioRxiv : the preprint server for biology*  
McCaffrey, E. F., Delmastro, A. C., Singh, B., Devi, A., Golden, N. A., Khader, S. A., Angelo, M., Kaushal, D., Mehra, S.  
2025
- **The immunometabolic topography of tuberculosis granulomas governs cellular organization and bacterial control.** *bioRxiv : the preprint server for biology*  
McCaffrey, E. F., Delmastro, A. C., Fitzhugh, I., Ranek, J. S., Douglas, S., Peters, J. M., Fullaway, C. C., Bosse, M., Liu, C. C., Gillen, C., Greenwald, N. F., Anzick, S., Martens, 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
- **Malaria-specific Type 1 regulatory T cells are more abundant in first pregnancies and associated with placental malaria.** *EBioMedicine*  
Kirosingh, A. S., Delmastro, A., Kakuru, A., van der Ploeg, K., Bhattacharya, S., Press, K. D., Ty, M., Parte, L., Kizza, J., Muhindo, M., Devachanne, S., Gamain, B., Nankya, et al  
2023; 95: 104772
- **Embedding Azobenzene-Functionalized Carbon Nanotubes into a Polymer Matrix for Stretchable, Composite Solar Thermal Devices** *JOURNAL OF PHYSICAL CHEMISTRY C*  
Colburn, T. W., Delmastro, A. C., Figueroa, M., Lopez, F., Cooper, C. B.  
2022
- **The immunoregulatory landscape of human tuberculosis granulomas.** *Nature immunology*  
McCaffrey, E. F., Donato, M., Keren, L., Chen, Z., Delmastro, A., Fitzpatrick, M. B., Gupta, S., Greenwald, N. F., Baranski, A., Graf, W., Kumar, R., Bosse, M., Fullaway, et al  
2022
- **Rhesus Macaque CODEX Multiplexed Immunohistochemistry Panel for Studying Immune Responses During Ebola Infection** *FRONTIERS IN IMMUNOLOGY*  
Jiang, S., Mukherjee, N., Bennett, R. S., Chen, H., Logue, J., Dighero-Kemp, B., Kurtz, J. R., Adams, R., Phillips, D., Schuerch, C. M., Goltsev, Y., Hickey, J. W., McCaffrey, et al  
2021; 12: 729845