

Tyler Prestwood

- Postdoctoral Medical Fellow, Psychiatry
- Resident in Psychiatry and Behavioral Sciences

Publications

PUBLICATIONS

- **Roles of inflammation in intrinsic pathophysiology and antipsychotic drug-induced metabolic disturbances of schizophrenia.** *Behavioural brain research*
Prestwood, T. R., Asgariroozbehani, R. n., Wu, S. n., Agarwal, S. M., Logan, R. W., Ballon, J. S., Hahn, M. K., Freyberg, Z. n.
2021; 113101
- **Human Regulatory Dendritic Cells Develop From Monocytes in Response to Signals From Regulatory and Helper T Cells.** *Frontiers in immunology*
Zhang, X., Zheng, P., Prestwood, T. R., Zhang, H., Carmi, Y., Tolentino, L. L., Wu, N., Choi, O., Winer, D. A., Strober, S., Kang, E. S., Alonso, M. N., Engleman, et al
2020; 11: 1982
- **Should Involuntary ECT Be Pursued Against the Wishes of the Patient's Family?** *The journal of ECT*
Nkrumah, R., Prestwood, T., Haq, A.
2020
- **Human regulatory dendritic cells develop from monocytes in response to signals from regulatory and helper T cells** *Frontiers In Immunology*
Zhang, X., Zheng, P., Prestwood, T., Zhang, H., Cami, Y., Tolentino, L., Wu, N., Choi, O., Winer, D., Strober, S., Kang, E., Alonso, M., Engleman, et al
2020
- **Enteric Glia Play a Critical Role in Promoting the Development of Colorectal Cancer** *Frontiers in Oncology*
Yuan, R., Bhattacharya, N., Kenkel, J. A., Shen, J., DiMaio, M. A., Bagchi, S., Prestwood, T. R., Habtezion, A., Engleman, E. G.
2020; 10: 595892
- **Tumor-binding antibodies induce potent dendritic cell-mediated tumor immunity.** *Oncoimmunology*
Carmi, Y., Prestwood, T., Engleman, E. G.
2019; 8 (10): e1078063
- **A distinct subset of plasmacytoid dendritic cells induces activation and differentiation of B and T lymphocytes.** *Proceedings of the National Academy of Sciences of the United States of America*
Zhang, H., Gregorio, J. D., Iwahori, T., Zhang, X., Choi, O., Tolentino, L. L., Prestwood, T., Carmi, Y., Engleman, E. G.
2017; 114 (8): 1988-1993
- **Systemic Immunity Is Required for Effective Cancer Immunotherapy.** *Cell*
Spitzer, M. H., Carmi, Y., Reticker-Flynn, N. E., Kwek, S. S., Madhireddy, D., Martins, M. M., Gherardini, P. F., Prestwood, T. R., Chabon, J., Bendall, S. C., Fong, L., Nolan, G. P., Engleman, et al
2017; 168 (3): 487-502 e15
- **Akt and SHP-1 are DC-intrinsic checkpoints for tumor immunity.** *JCI insight*
Carmi, Y., Prestwood, T. R., Spitzer, M. H., Linde, I. L., Chabon, J., Reticker-Flynn, N. E., Bhattacharya, N., Zhang, H., Zhang, X., Basto, P. A., Burt, B. M., Alonso, M. N., Engleman, et al
2016; 1 (18)
- **Restoring Retinoic Acid Attenuates Intestinal Inflammation and Tumorigenesis in APCMin/+ Mice.** *Cancer immunology research*
Penny, H. L., Prestwood, T. R., Bhattacharya, N., Sun, F., Kenkel, J. A., Davidson, M. G., Shen, L., Zuniga, L. A., Seeley, E. S., Pai, R., Choi, O., Tolentino, L., Wang, et al
2016; 4 (11): 917-926

- **Normalizing Microbiota-Induced Retinoic Acid Deficiency Stimulates Protective CD8(+) T Cell-Mediated Immunity in Colorectal Cancer.** *Immunity*
Bhattacharya, N., Yuan, R., Prestwood, T. R., Penny, H. L., DiMaio, M. A., Reticker-Flynn, N. E., Krois, C. R., Kenkel, J. A., Pham, T. D., Carmi, Y., Tolentino, L., Choi, O., Hulett, et al
2016; 45 (3): 641-655
- **Akt and SHP-1 are DC-intrinsic checkpoints for tumor immunity.** *JCI insight*
Carmi, Y. n., Prestwood, T. R., Spitzer, M. H., Linde, I. L., Chabon, J. n., Reticker-Flynn, N. E., Bhattacharya, N. n., Zhang, H. n., Zhang, X. n., Basto, P. A., Burt, B. M., Alonso, M. N., Engleman, et al
2016; 1 (18): e89020
- **Normalizing microbiota-induced retinoic acid deficiency stimulates protective CD8+ T-cell-mediated immunity in colorectal cancer** *Immunity*
Bhattacharya, N., Yuan, R., Prestwood, T., Penny, H., DiMaio, M., Reticker-Flynn, N., Krois, C., Kenkel, J., Pham, T., Carmi, Y., Tolentino, L., Choi, O., Hulett, et al
2016; 45: 641-55
- **Design of Protease Activated Optical Contrast Agents That Exploit a Latent Lysosomotropic Effect for Use in Fluorescence-Guided Surgery.** *ACS chemical biology*
Ofori, L. O., Withana, N. P., Prestwood, T. R., Verdoes, M., Brady, J. J., Winslow, M. M., Sorger, J., Bogoyo, M.
2015; 10 (9): 1977-1988
- **Allogeneic IgG combined with dendritic cell stimuli induce antitumour T-cell immunity.** *Nature*
Carmi, Y., Spitzer, M. H., Linde, I. L., Burt, B. M., Prestwood, T. R., Perlman, N., Davidson, M. G., Kenkel, J. A., Segal, E., Pusapati, G. V., Bhattacharya, N., Engleman, E. G.
2015; 521 (7550): 99-104
- **Detection of intestinal cancer by local, topical application of a quenched fluorescence probe for cysteine cathepsins.** *Chemistry & biology*
Segal, E., Prestwood, T. R., van der Linden, W. A., Carmi, Y., Bhattacharya, N., Withana, N., Verdoes, M., Habtezion, A., Engleman, E. G., Bogoyo, M.
2015; 22 (1): 148-158
- **Gamma Interferon (IFN-gamma) Receptor Restricts Systemic Dengue Virus Replication and Prevents Paralysis in IFN-alpha/beta Receptor-Deficient Mice** *JOURNAL OF VIROLOGY*
Prestwood, T. R., Morar, M. M., Zellweger, R. M., Miller, R., May, M. M., Yauch, L. E., Lada, S. M., Shresta, S.
2012; 86 (23): 12561-12570
- **Trafficking and Replication Patterns Reveal Splenic Macrophages as Major Targets of Dengue Virus in Mice** *JOURNAL OF VIROLOGY*
Prestwood, T. R., May, M. M., Plummer, E. M., Morar, M. M., Yauch, L. E., Shresta, S.
2012; 86 (22): 12138-12147
- **CD4(+) T Cells Are Not Required for the Induction of Dengue Virus-Specific CD8(+) T Cell or Antibody Responses but Contribute to Protection after Vaccination** *JOURNAL OF IMMUNOLOGY*
Yauch, L. E., Prestwood, T. R., May, M. M., Morar, M. M., Zellweger, R. M., Peters, B., Sette, A., Shresta, S.
2010; 185 (9): 5405-5416
- **Enhanced Infection of Liver Sinusoidal Endothelial Cells in a Mouse Model of Antibody-Induced Severe Dengue Disease** *CELL HOST & MICROBE*
Zellweger, R. M., Prestwood, T. R., Shresta, S.
2010; 7 (2): 128-139
- **Cardif-Mediated Signaling Controls the Initial Innate Response to Dengue Virus In Vivo** *JOURNAL OF VIROLOGY*
Perry, S. T., Prestwood, T. R., Lada, S. M., Benedict, C. A., Shresta, S.
2009; 83 (16): 8276-8281
- **A Protective Role for Dengue Virus-Specific CD8(+) T Cells** *JOURNAL OF IMMUNOLOGY*
Yauch, L. E., Zellweger, R. M., Kotturi, M. F., Qutubuddin, A., Sidney, J., Peters, B., Prestwood, T. R., Sette, A., Shresta, S.
2009; 182 (8): 4865-4873
- **A mouse-passaged dengue virus strain with reduced affinity for heparan sulfate causes severe disease in mice by establishing increased systemic viral loads** *JOURNAL OF VIROLOGY*
Prestwood, T. R., Prigozhin, D. M., Sharar, K. L., Zellweger, R. M., Shresta, S.
2008; 82 (17): 8411-8421