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Publications

- **Shaping of infant B cell receptor repertoires by environmental factors and infectious disease.** *Science translational medicine*  
  2019; 11 (481)

- **Increased T Cell Differentiation and Cytolytic Function in Bangladeshi Compared to American Children.** *Frontiers in immunology*  
  2019; 10: 2239

- **Live Cell Barcoding for Efficient Analysis of Small Samples by Mass Cytometry.** *Methods in molecular biology (Clifton, N.J.)*  
  Wagar, L. E.  

- **Acute myeloid leukemia immunopeptidome reveals HLA presentation of mutated nucleophosmin.** *PloS one*  
  2019; 14 (7): e0219547

- **Predicting HLA class II antigen presentation through integrated deep learning.** *Nature biotechnology*  
  2019

- **Histone H3 lysine 4 methylation signature associated with human undernutrition.** *Proceedings of the National Academy of Sciences of the United States of America*  
  2018

- **Advanced model systems and tools for basic and translational human immunology.** *Genome medicine*  
  Wagar, L. E., DiFazio, R. M., Davis, M. M.  
  2018; 10 (1): 73

- **Comparison of CyTOF assays across sites: Results of a six-center pilot study** *JOURNAL OF IMMUNOLOGICAL METHODS*  
  2018; 453: 37–43

- **Effect of IL-7 Therapy on Phospho-Ribosomal Protein S6 and TRAF1 Expression in HIV-Specific CD8 T Cells in Patients Receiving Antiretroviral Therapy** *JOURNAL OF IMMUNOLOGY*  
  2018; 200 (2): 558–64

- **Antigen presentation profiling reveals recognition of lymphoma immunoglobulin neoantigens** *Nature*  
• Intrinsic 4-1BB signals are indispensable for the establishment of an influenza-specific tissue-resident memory CD8 T-cell population in the lung. *Mucosal immunology*
  Zhou, A. C., Wagar, L. E., Wortzman, M. E., Watts, T. H.
  2017

• Identifying specificity groups in the T cell receptor repertoire. *Nature*
  2017

• High-Dimensional Phenotypic Mapping of Human Dendritic Cells Reveals Interindividual Variation and Tissue Specialization. *Immetry*
  2017

• Defective T Memory Cell Differentiation after Varicella Zoster Vaccination in Older Individuals. *PLoS pathogens*
  2016; 12 (10)

• The Human Immune System Recognizes Neoepitopes Derived from Mitochondrial DNA Deletions *JOURNAL OF IMMUNOLOGY*
  2014; 192 (10): 4581-4591

• Humoral and Cell-Mediated Immunity to Pandemic H1N1 Influenza in a Canadian Cohort One Year Post-Pandemic: Implications for Vaccination *PLOS ONE*
  2011; 6 (11)

• Influenza-Specific T Cells from Older People Are Enriched in the Late Effector Subset and Their Presence Inversely Correlates with Vaccine Response *PLOS ONE*
  Wagar, L. E., Gentleman, B., Pircher, H., McElhaney, J. E., Watts, T. H.
  2011; 6 (8)

• Harnessing functional food strategies for the health challenges of space travel-Fermented soy for astronaut nutrition *ACTA ASTRONAUTICA*
  Buckley, N. D., Champagne, C. P., Masotti, A. I., Wagar, L. E., Tompkins, T. A., Green-Johnson, J. M.
  2011; 68 (7-8): 731-738

• Immunomodulatory Properties of Fermented Soy and Dairy Milks Prepared with Lactic Acid Bacteria *JOURNAL OF FOOD SCIENCE*
  Wagar, L. E., Champagne, C. P., Buckley, N. D., Raymond, Y., Green-Johnson, J. M.
  2009; 74 (8): M423-M430