



Amnis® Research Papers

Virology

1. Utay, N.S., et al., *MRSA Infections in HIV-Infected People Are Associated with Decreased MRSA-Specific Th1 Immunity*. PLoS Pathog, 2016. **12**(4): p. e1005580.
<http://www.ncbi.nlm.nih.gov/pubmed/27093273>
2. Tay, M.Z., et al., *Antibody-Mediated Internalization of Infectious HIV-1 Virions Differs among Antibody Isotypes and Subclasses*. PLoS Pathog, 2016. **12**(8): p. e1005817.
<http://www.ncbi.nlm.nih.gov/pubmed/27579713>
3. Frensing, T., et al., *Influenza virus intracellular replication dynamics, release kinetics, and particle morphology during propagation in MDCK cells*. Appl Microbiol Biotechnol, 2016. **100**(16): p. 7181-92.
<http://www.ncbi.nlm.nih.gov/pubmed/27129532>
4. Fan, X., et al., *Antibody-dependent CD56+ T cell responses are functionally impaired in long-term HIV-1 infection*. Retrovirology, 2016. **13**(1): p. 76.
<http://www.ncbi.nlm.nih.gov/pubmed/27814766>
5. Trinite, B.C., C. N. Lee, C. S. Mahajan, S. Luo, Y. Muesing, M. A. Folkvord, J. M. Pham, M. Connick, E. Levy, D. N., *Suppression of Foxo1 Activity and Down-Modulation of CD62L (L-Selectin) in HIV-1 Infected Resting CD4 T Cells*. PLoS One, 2014. **9**(10): p. e110719.
<http://www.ncbi.nlm.nih.gov/pubmed/25330112>
6. Singh, M.V.D., D. C. Jackson, J. W. Singh, V. B. Silva, J. Ramirez, S. H. Maggirwar, S. B., *Characterization of platelet-monocyte complexes in HIV-1-infected individuals: possible role in HIV-associated neuroinflammation*. J Immunol, 2014. **192**(10): p. 4674-84.
<http://www.ncbi.nlm.nih.gov/pubmed/24729609>
7. Hartmann, B.M.M., N. Nudelman, G. Moran, T. M. Sealton, S. C., *Combinatorial cytokine code generates anti-viral state in dendritic cells*. Front Immunol, 2014. **5**: p. 73.
<http://www.ncbi.nlm.nih.gov/pubmed/24616721>
8. Caccuri, F.G., C. Reichelt, J. Martorelli, D. Marsico, S. Bugatti, A. Barone, I. Rusnati, M. Guzman, C. A. Dolcetti, R. Caruso, A., *Simian immunodeficiency virus and human immunodeficiency virus type 1 matrix proteins specify different capabilities to modulate B cell growth*. J Virol, 2014. **88**(10): p. 5706-17.
<http://www.ncbi.nlm.nih.gov/pubmed/24623414>
9. Amy E. Baxter, Rebecca A. Russell, Christopher J.A. Duncan, Michael D. Moore, Christian B. Willberg, Jose L. Pablos, Andrés Finzi, Daniel E. Kaufmann, Christina Ochsenbauer, John C. Kappes, Fedde Groot, Quentin J. Sattentau, *Macrophage Infection via Selective Capture of HIV-1-Infected CD4+ T Cells*. 2014.
<http://www.sciencedirect.com/science/article/pii/S1931312814003886>
10. Zhou, Z.H.W., T. Xiong, Y. Sylvers, P. Zhang, Y. Zhang, L. Wahl, L. Wahl, S. M. Kozlowski, S. Notkins, A. L., *Polyreactive antibodies plus complement enhance the phagocytosis of cells made apoptotic by UV-light or HIV*. Sci Rep, 2013. **3**: p. 2271.
<http://www.ncbi.nlm.nih.gov/pubmed/23881356>
11. Johnson, T.P.P., K. Johnson, K. R. Maric, D. Calabresi, P. A. Hasbun, R. Nath, A., *Induction of IL-17 and nonclassical T-cell activation by HIV-Tat protein*. Proc Natl Acad Sci U S A, 2013. **110**(33): p. 13588-93.
<http://www.ncbi.nlm.nih.gov/pubmed/23898208>
12. Deng, L.G., A. Yilmaz, S. Poulos, B. T. Hugenholtz, P. Sullivan, M. B., *Contrasting life strategies of viruses that infect photo- and heterotrophic bacteria, as revealed by viral tagging*. mBio, 2012. **3**(6): p. e00373-12.
<http://www.ncbi.nlm.nih.gov/pubmed/23111870>
13. Vallhov, H.G., C. Johansson, S. M. Nagy, N. Paul, M. Li, Q. Friend, S. George, T. C. Klein, E. Scheynius, A. Gabrielsson, S., *Exosomes containing glycoprotein 350 released by EBV-transformed B cells selectively target B cells through CD21 and block EBV infection in vitro*. J Immunol, 2011. **186**(1): p. 73-82.
<http://www.ncbi.nlm.nih.gov/pubmed/21106852>
14. Suarez, A.L.K., R. George, T. He, L. Yue, Z. van Dyk, L. F., *Gammaherpesvirus 68 infection of endothelial cells requires both host autophagy genes and viral oncogenes for optimal survival and persistence*. J Virol, 2011. **85**(13): p. 6293-308.
<http://www.ncbi.nlm.nih.gov/pubmed/21490089>
15. Nichols, L.A.A., L. A. Kedes, D. H., *Rapamycin blocks production of KSHV/HHV8: insights into the anti-tumor activity of an immunosuppressant drug*. PLoS One, 2011. **6**(1): p. e14535.
<http://www.ncbi.nlm.nih.gov/pubmed/21264294>
16. Lepelley, A.L., S. Sourisseau, M. Law, H. K. Pothlichet, J. Schilte, C. Chaperot, L. Plumas, J. Randall, R. E. Si-Tahar, M. Mammano, F. Albert, M. L. Schwartz, O., *Innate Sensing of HIV-Infected Cells*. PLoS Pathog, 2011. **7**(2): p. e1001284.
<http://www.ncbi.nlm.nih.gov/pubmed/21379343>

17. Hassman, L.M.E., T. J. Kedes, D. H., *KSHV infects a subset of human tonsillar B cells, driving proliferation and plasmablast differentiation*. *J Clin Invest*, 2011. **121**(2): p. 752-68.
<http://www.ncbi.nlm.nih.gov/pubmed/21245574>
18. Calzada-Nova, G.S., W. M. Husmann, R. J. Zuckermann, F. A., *North American porcine reproductive and respiratory syndrome viruses inhibit type I interferon production by plasmacytoid dendritic cells*. *J Virol*, 2011. **85**(6): p. 2703-13.
<http://www.ncbi.nlm.nih.gov/pubmed/21191013>
19. Ackerman, M.E.M., B. Wyatt, R. T. Dugast, A. S. McAndrew, E. Tsoukas, S. Jost, S. Berger, C. T. Sciaranghella, G. Liu, Q. Irvine, D. J. Burton, D. R. Alter, G., *A robust, high-throughput assay to determine the phagocytic activity of clinical antibody samples*. *J Immunol Methods*, 2011. **366**(1-2): p. 8-19.
<http://www.ncbi.nlm.nih.gov/pubmed/21192942>
20. Vujanovic, L.S., D. E. Alber, S. Watkins, S. C. Vujanovic, N. L. Butterfield, L. H., *Virally infected and matured human dendritic cells activate natural killer cells via cooperative activity of plasma membrane-bound TNF and IL-15*. *Blood*, 2010. **116**(4): p. 575-83.
<http://www.ncbi.nlm.nih.gov/pubmed/20430958>
21. Pietzsch, J.S., J. F. Mouquet, H. Klein, F. Seaman, M. S. Jankovic, M. Corti, D. Lanzavecchia, A. Nussenzweig, M. C., *Human anti-HIV-neutralizing antibodies frequently target a conserved epitope essential for viral fitness*. *J Exp Med*, 2010. **207**(9): p. 1995-2002.
<http://www.ncbi.nlm.nih.gov/pubmed/20679402>
22. Nobile, C.R., D. Hasan, M. Aulner, N. Porrot, F. Machu, C. Renaud, O. Prevost, M. C. Hirzro, C. Schwartz, O. Sol-Foulon, N., *HIV-1 Nef inhibits ruffles, induces filopodia, and modulates migration of infected lymphocytes*. *J Virol*, 2010. **84**(5): p. 2282-93.
<http://www.ncbi.nlm.nih.gov/pubmed/20015995>
23. Chang, S.K., K. Szabo, G., *Impaired expression and function of toll-like receptor 7 in hepatitis C virus infection in human hepatoma cells*. *Hepatology*, 2010. **51**(1): p. 35-42.
<http://www.ncbi.nlm.nih.gov/pubmed/19821521>
24. Petrovas, C.C., B. Ambrozak, D. R. Price, D. A. Melenhorst, J. J. Hill, B. J. Geldmacher, C. Casazza, J. P. Chattopadhyay, P. K. Roederer, M. Douek, D. C. Mueller, Y. M. Jacobson, J. M. Kulkarni, V. Felber, B. K. Pavlakis, G. N. Katsikis, P. D. Koup, R. A., *Differential association of programmed death-1 and CD57 with ex vivo survival of CD8+ T cells in HIV infection*. *J Immunol*, 2009. **183**(2): p. 1120-32.
<http://www.ncbi.nlm.nih.gov/pubmed/19564339>
25. Migueles, S.A.O., C. M. Royce, C. Compton, A. A. Joshi, R. P. Weeks, K. A. Rood, J. E. Berkley, A. M. Sacha, J. B. Cogliano-Shutta, N. A. Lloyd, M. Roby, G. Kwan, R. McLaughlin, M. Stallings, S. Rehm, C. O'Shea, M. A. Mican, J. Packard, B. Z. Komoriya, A. Palmer, S. Wiegand, A. P. Maldarelli, F. Coffin, J. M. Mellors, J. W. Hallahan, C. W. Follman, D. A. Connors, M., *Lytic granule loading of CD8+ T cells is required for HIV-infected cell elimination associated with immune control*. *Immunity*, 2008. **29**(6): p. 1009-21.
<http://www.ncbi.nlm.nih.gov/pubmed/19062316>
26. De Rose, R.Z., A.N. Johnston, A.P.R Sexton, A Chong, S-F Cortez, C Mulholland, W Caruso, F Kent, S.J., *Binding, Internalization, and Antigen Presentation of Vaccine-Loaded Nanoengineered Capsules in Blood*. *Advanced Materials*, 2008. **20**(24): p. 4698-4703.
<http://dx.doi.org/10.1002/adma.200801826>;
27. Megjugorac, N.J.J., E. S. Izaguirre, A. G. George, T. C. Gupta, G. Fitzgerald-Bocarsly, P., *Image-based study of interferogenic interactions between plasmacytoid dendritic cells and HSV-infected monocyte-derived dendritic cells*. *Immunol Invest*, 2007. **36**(5-6): p. 739-61.
<http://www.ncbi.nlm.nih.gov/pubmed/18161527>
28. Adang, L.A.T., C. Law, W. K. Kedes, D. H., *Intracellular Kaposi's sarcoma-associated herpesvirus load determines early loss of immune synapse components*. *J Virol*, 2007. **81**(10): p. 5079-90.
<http://www.ncbi.nlm.nih.gov/pubmed/17329329>
29. Fanning, S.L.G., T. C. Feng, D. Feldman, S. B. Megjugorac, N. J. Izaguirre, A. G. Fitzgerald-Bocarsly, P., *Receptor cross-linking on human plasmacytoid dendritic cells leads to the regulation of IFN-alpha production*. *J Immunol*, 2006. **177**(9): p. 5829-39.
<http://www.ncbi.nlm.nih.gov/pubmed/17056507>
30. Adang, L.A.P., C. H. Kedes, D. H., *Asynchronous progression through the lytic cascade and variations in intracellular viral loads revealed by high-throughput single-cell analysis of Kaposi's sarcoma-associated herpesvirus infection*. *J Virol*, 2006. **80**(20): p. 10073-82.
<http://www.ncbi.nlm.nih.gov/pubmed/17005685>

To Place an Order or Receive Technical Assistance

In the U.S. and Canada, call toll-free
1(800)-645-5476

For other countries across Europe, call
+44 (0) 115 943 0840

For other countries across Europe
and the world, please visit
MerckMillipore.com/offices

For Technical Service, please visit
MerckMillipore.com/techservice

Merck KGaA
Frankfurter Strasse 250
64293 Darmstadt
Germany

