

# Publications for Andrew Harman

## 2020

van der Sluis, R., Zerbato, J., Rhodes, J., Pascoe, R., Solomon, A., Kumar, N., Dantanarayana, A., Tennakoon, S., Duffloo, J., McMahon, J., Harman, A., et al (2020). Diverse effects of interferon alpha on the establishment and reversal of HIV latency. *PLoS Pathogens*, 16(2), e1008151. <a href="http://dx.doi.org/10.1371/journal.ppat.1008151">[More Information]</a>

Singh, K., Zerbato, J., Zhao, W., Braat, S., Deleage, C., Surekha Tennakoon, G., Mason, H., Dantanarayana, A., Rhodes, A., Rhodes, J., Harman, A., et al (2020). Intrahepatic CXCL10 is strongly associated with liver fibrosis in HIV-Hepatitis B coinfection. *PLoS Pathogens*, 16(9), e1008744. <a href="http://dx.doi.org/10.1371/JOURNAL.PPAT.1008744">[More Information]</a>

## 2019

Rhodes, J., Tong, O., Harman, A., Turville, S. (2019). Human Dendritic Cell Subsets, Ontogeny, and Impact on HIV Infection. *Frontiers in Immunology*, 10, 1-24. <a href="http://dx.doi.org/10.3389/fimmu.2019.01088">[More Information]</a>

Bertram, K., Botting, R., Baharlou, H., Rhodes, J., Rana, H., Graham, J., Patrick, E., Fletcher, J., Plasto, T., Truong (Osborne), N., Royle, C., Doyle, C., Tong, O., Nasr, N., Cunningham, A., Harman, A., et al (2019). Identification of HIV transmitting CD11c+ human epidermal dendritic cells. *Nature Communications*, 10(1), 1-15. <a href="http://dx.doi.org/10.1038/s41467-019-10697-w">[More Information]</a>

Bertram, K., Tong, O., Royle, C., Turville, S., Nasr, N., Cunningham, A., Harman, A. (2019). Manipulation of Mononuclear Phagocytes by HIV: Implications for Early Transmission Events. *Frontiers in Immunology*, 10, 1-14. <a href="http://dx.doi.org/10.3389/fimmu.2019.02263">[More Information]</a>

Baharlou, H., Canete, N., Cunningham, A., Harman, A., Patrick, E. (2019). Mass Cytometry Imaging for the Study of Human Diseases - Applications and Data Analysis Strategies. *Frontiers in Immunology*, 10, 1-22. <a href="http://dx.doi.org/10.3389/fimmu.2019.02657">[More Information]</a>

Gosselink, M., Harman, A., Ctercteko, G. (2019). Why is a haemorrhoid never infected? *Colorectal Disease*, 21(4), 385-386. <a href="http://dx.doi.org/10.1111/codi.14596">[More Information]</a>

## 2017

Botting, R., Rana, H., Bertram, K., Rhodes, J., Baharlou, H., Nasr, N., Cunningham, A., Harman, A. (2017). Langerhans cells and sexual transmission of HIV and HSV. *Reviews in Medical Virology*, 27(2), e1923. <a href="http://dx.doi.org/10.1002/rmv.1923">[More Information]</a>

Nasr, N., Alshehri, A., Wright, T., Shahid, M., Heiner, B., Harman, A., Botting, R., Helbig, K., Beard, M., Suzuki, K., Cunningham, A., et al (2017). Mechanism of interferon-stimulated gene induction in HIV-1- infected macrophages. *Journal of Virology*, 91(20), 1-19. <a href="http://dx.doi.org/10.1128/JVI.00744-17">[More Information]</a>

Botting, R., Bertram, K., Baharlou, H., Sandgren, K., Fletcher, J., Rhodes, J., Rana, H., Plasto, T., Wang, X., Lim, J., Cunningham, A., Harman, A., et al (2017). Phenotypic and functional consequences of different isolation protocols on skin mononuclear phagocytes. *Journal of Leukocyte Biology*, 101(6), 1393-1403. <a href="http://dx.doi.org/10.1189/jlb.4A1116-496R">[More Information]</a>

## 2016

Saleh, S., Lu, H., Evans, V., Harrison, D., Zhou, J., Jaworowski, A., Sallmann, G., Cheong, K., Mota, T., Harman, A., Cunningham, A., et al (2016). HIV integration and the establishment of latency in CCL19-treated resting CD4(+) T cells require activation of NF- $\kappa$ B. *Retrovirology*, 13(1), 1-12. <a href="http://dx.doi.org/10.1186/s12977-016-0284-7">[More Information]</a>

Clark, G., Kupresanin, F., Fromm, P., Ju, X., Muusers, L., Silveira, P., Elgundi, Z., Gasiorowski, R., Papadimitriou, M., Bryant, C., Lee, K., Harman, A., Hart, D., et al (2016). New insights into the phenotype of human dendritic cell populations. *Clinical & Translational Immunology*, 5(1), 1-12. <a href="http://dx.doi.org/10.1038/cti.2015.40">[More Information]</a>

## 2015

Marsden, V., Donaghy, H., Bertram, K., Harman, A., Nasr, N., Keoshkerian, E., Merten, S., Lloyd, A., Cunningham, A. (2015). Herpes Simplex Virus Type 2-Infected Dendritic Cells Produce TNF- $\alpha$ , Which Enhances CCR5 Expression and Stimulates HIV Production from Adjacent Infected Cells. *Journal of Immunology*, 194(9), 4438-4445. <a href="http://dx.doi.org/10.4049/jimmunol.1401706">[More Information]</a>

Harman, A., Nasr, N., Feetham, A., Galoyan, A., Alshehri, A., Rambukwelle, D., Botting, R., Hiener, B., Diefenbach, E., Diefenbach, R., Kim, M., Cunningham, A., et al (2015). HIV blocks interferon induction in human dendritic cells and macrophages by dysregulation of TBK1. *Journal of Virology*, 89(13), 6575-6584. <a href="http://dx.doi.org/10.1128/JVI.00889-15">[More Information]</a>

Kim, M., Truong (Osborne), N., James, V., Bosnjak, L., Sandgren, K., Harman, A., Nasr, N., Bertram, K., Olbourne, N., Sawleshwarkar, S., Cunningham, A., et al (2015). Relay of herpes simplex virus between Langerhans cells and dermal dendritic cells in human skin. *PLoS Pathogens*, 11(4), 1-19. <a href="http://dx.doi.org/10.1371/journal.ppat.1004812">[More Information]</a>

## 2014

Nasr, N., Harman, A., Turville, S., Cunningham, A. (2014). HIV infection of dendritic cells. In Elisa Vincenzi, Guido Poli (Eds.), *Human Retroviruses: Method and Protocols*, (pp. 221-232). New York: Humana Press. <a href="http://dx.doi.org/10.1007/978-1-62703-670-2\_18">[More Information]</a>

Nasr, N., Lai, J., Botting, R., Mercier, S., Harman, A., Kim, M.,

Turville, S., Center, R., Domagala, T., Gorry, P., Cunningham, A., et al (2014). Inhibition of Two Temporal Phases of HIV-1 Transfer from Primary Langerhans Cells to T Cells: The Role of Langerin. *Journal of Immunology*, 193(5), 2554-2564. <a href="http://dx.doi.org/10.4049/jimmunol.1400630">[More Information]</a>

## 2013

Wightman, F., Hao, K., Solomon, A., Saleh, S., Harman, A., Cunningham, A., Gray, L., Churchill, M., Cameron, P., Dear, A., et al (2013). Entinostat is a histone deacetylase inhibitor selective for class 1 histone deacetylases and activates HIV production from latently infected primary T cells. *AIDS*, 27(18), 2853-2862. <a href="http://dx.doi.org/10.1097/QAD.000000000000067">[More Information]</a>

Harman, A., Bye, C., Nasr, N., Sandgren, K., Kim, M., Mercier, S., Botting, R., Lewin, S., Cunningham, A., Cameron, P. (2013). Identification of Lineage Relationships and Novel Markers of Blood and Skin Human Dendritic Cells. *Journal of Immunology*, 190(1), 66-79. <a href="http://dx.doi.org/10.4049/jimmunol.1200779">[More Information]</a>

Cunningham, A., Harman, A., Kim, M., Nasr, N., Lai, J. (2013). Immunobiology of Dendritic Cells and the Influence of HIV Infection. In Li Wu, Olivier Schwartz (Eds.), *HIV Interactions with Dendritic Cells: Infection and Immunity*, (pp. 1-44). New York, USA: Springer Science+Business Media. <a href="http://dx.doi.org/10.1007/978-1-4614-4433-6\_1">[More Information]</a>

Cunningham, A., Harman, A., Nasr, N. (2013). Initial HIV mucosal infection and dendritic cells. *EMBO Molecular Medicine*, 5(5), 658-660. <a href="http://dx.doi.org/10.1002/emmm.201202763">[More Information]</a>

Mercier, S., Donaghy, H., Botting, R., Turville, S., Harman, A., Nasr, N., Ji, H., Kusebauch, U., Mendoza, L., Shteynberg, D., Cunningham, A., et al (2013). The Microvesicle Component of HIV-1 Inocula Modulates Dendritic Cell Infection and Maturation and Enhances Adhesion to and Activation of T Lymphocytes. *PLoS Pathogens*, 9(10), 1-18. <a href="http://dx.doi.org/10.1371/journal.ppat.1003700">[More Information]</a>

Harman, A., Kim, M., Nasr, N., Sandgren, K., Cameron, P. (2013). Tissue dendritic cells as portals for HIV entry. *Reviews in Medical Virology*, 23(5), 319-333. <a href="http://dx.doi.org/10.1002/rmv.1753">[More Information]</a>

## 2012

Nasr, N., Maddocks, S., Turville, S., Harman, A., Woolger, N., Helbig, K., Wilkinson, J., Bye, C., Wright, T., Rambukwelle, D., Donaghy, H., Cunningham, A., et al (2012). HIV-1 infection of human macrophages directly induces viperin which inhibits viral production. *Blood*, 120(4), 778-788. <a href="http://dx.doi.org/10.1182/blood-2012-01-407395">[More Information]</a>

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Harman, A., Lai, J., Turville, S., Samarajiwa, S., Gray, L., Marsden, V., Mercier, S., Jones, K., Nasr, N., Rustagi, A., Cunningham, A., et al (2011). HIV infection of dendritic cells subverts the interferon induction pathway via IRF1 and inhibits type 1 interferon production. *Blood*, 118(2), 298-308. <a href="http://dx.doi.org/10.1182/blood-2010-07-297721">[More Information]</a>

## 2010

Cameron, P., Saleh, S., Sallmann, G., Solomon, A., Wightman, F., Evans, V., Boucher, G., Haddad, E., Sekaly, R., Harman, A., Cunningham, A., et al (2010). Establishment of HIV-1 Latency in Resting CD4+ T Cells Depends on Chemokine-Induced Changes in the Actin Cytoskeleton. *Proceedings of the National Academy of Sciences of the United States of America*, 107(39), 16934-16939. <a href="http://dx.doi.org/10.1073/pnas.1002894107">[More Information]</a>

Cunningham, A., Donaghy, H., Harman, A., Turville, S. (2010). Manipulation of dendritic cell function by viruses. *Current Opinion in Microbiology*, 13(4), 524-9. <a href="http://dx.doi.org/10.1016/j.mib.2010.06.002">[More Information]</a>

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Harman, A., Kraus, M., Bye, C., Byth Wilson, K., Turville, S., Tang, O., Mercier, S., Nasr, N., Stern, J., Slobedman, B., Cunningham, A., et al (2009). HIV-1-infected dendritic cells show 2 phases of gene expression changes, with lysosomal enzyme activity decreased during the second phase. *Blood*, 114(1), 85-94. <a href="http://dx.doi.org/10.1182/blood-2008-12-194845">[More Information]</a>

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Donaghy, H., Bosnjak, L., Harman, A., Marsden, V., Tying, S., Meng, T., Cunningham, A. (2009). Role for Plasmacytoid Dendritic Cells in the Immune Control of Recurrent Human Herpes Simplex Virus Infection. *Journal of Virology*, 83(4), 1952-1961. <a href="http://dx.doi.org/10.1128/JVI.01578-08">[More Information]</a>

## 2007

Cunningham, A., Harman, A., Donaghy, H. (2007). DC-SIGN 'AIDS' HIV immune evasion and infection. *Nature Immunology*, 8(6), 556-558. <a href="http://dx.doi.org/10.1038/ni0607-556">[More Information]</a>

Watson, S., Mercier, S., Bye, C., Wilkinson, J., Cunningham, A., Harman, A. (2007). Determination of suitable housekeeping genes for normalisation of quantitative real time PCR analysis of cells infected with human immunodeficiency virus and herpes viruses. *Virology Journal*, 4(130), 1-5. <a href="http://dx.doi.org/10.1186/1743-422X-4-130">[More Information]</a>

## 2006

Harman, A., Wilkinson, J., Bye, C., Bosnjak, L., Stern, J., Nicholle, M., Lai, J., Cunningham, A. (2006). HIV Induces Maturation of Monocyte-Derived Dendritic Cells and Langerhans Cells. *Journal of Immunology*, 177(10), 7103-7113. <a href="http://dx.doi.org/10.4049/jimmunol.177.10.7103">[More Information]</a>