

## Publications for Megan Steain

### 2018

Kennedy, J., Steain, M., Slobedman, B., Abendroth, A. (2018). Infection and Functional Modulation of Human Monocytes and Macrophages by Varicella-Zoster Virus. *Journal of Virology*, 93(3), 1-17. <a href="http://dx.doi.org/10.1128/JVI.01887-18">[More Information]</a>

Campbell, T., McSharry, B., Steain, M., Ashhurst, T., Slobedman, B., Abendroth, A. (2018). Varicella zoster virus productively infects human natural killer cells and manipulates phenotype. *PLoS Pathogens*, 14(4), e1006999. <a href="http://dx.doi.org/10.1371/journal.ppat.1006999">[More Information]</a>

Gerada, C., Steain, M., McSharry, B., Slobedman, B., Abendroth, A. (2018). Varicella-Zoster Virus ORF63 protects human neuronal and keratinocyte cell lines from apoptosis and changes its localization upon apoptosis induction. *Journal of Virology*, 92(12), e00338-18. <a href="http://dx.doi.org/10.1128/JVI.00338-18">[More Information]</a>

### 2016

Avdic, S., McSharry, B., Steain, M., Poole, E., Sinclair, J., Abendroth, A., Slobedman, B. (2016). Human cytomegalovirus-encoded human interleukin-10 (IL-10) homolog amplifies its immunomodulatory potential by upregulating human IL-10 in monocytes. *Journal of Virology*, 90(8), 3819-3827. <a href="http://dx.doi.org/10.1128/JVI.03066-15">[More Information]</a>

### 2015

Campbell, T., McSharry, B., Steain, M., Slobedman, B., Abendroth, A. (2015). Varicella Zoster Virus and Herpes Simplex Virus-1 Differentially Modulate NKG2D Ligand Expression During Productive Infection. *Journal of Virology*, 89(15), 7932-7943. <a href="http://dx.doi.org/10.1128/JVI.00292-15">[More Information]</a>

### 2014

Steain, M., Sutherland, J., Rodriguez, M., Cunningham, A., Slobedman, B., Abendroth, A. (2014). Analysis of T Cell Responses during Active Varicella-Zoster Virus Reactivation in Human Ganglia. *Journal of Virology*, 88(5), 2704-2716. <a href="http://dx.doi.org/10.1128/JVI.03445-13">[More Information]</a>

### 2013

Avdic, S., Cao, J., McSharry, B., Clancy, L., Brown, R., Steain, M., Gottlieb, D., Abendroth, A., Slobedman, B. (2013). Human Cytomegalovirus Interleukin-10 Polarizes Monocytes toward a Deactivated M2c Phenotype To Repress Host Immune Responses. *Journal of Virology*, 87(18), 10273-10282. <a href="http://dx.doi.org/10.1128/JVI.00912-13">[More Information]</a>

Ouwendijk, W., Abendroth, A., Triana-Dorge, V., Getu, S., Steain, M., Wellish, M., Andeweg, A., Osterhaus, A., Gilden, D., Verjans, G., et al (2013). T-cell infiltration correlates with CXCL10 expression in ganglia of cynomolgus macaques with reactivated simian varicella virus. *Journal of Virology*, 87(5), 2979-2982. <a href="http://dx.doi.org/10.1128/JVI.03181-12">[More Information]</a>

<a href="http://dx.doi.org/10.1128/JVI.02293-13">[More Information]</a>

Christensen, J., Steain, M., Slobedman, B., Abendroth, A. (2013). Varicella-zoster virus glycoprotein I is essential for spread in dorsal root ganglia and facilitates axonal localization of structural virion components in neuronal cultures. *Journal of Virology*, 87(24), 13719-13728. <a href="http://dx.doi.org/10.1128/JVI.02293-13">[More Information]</a>

### 2012

Zerboni, L., Sobel, R., Lai, M., Triglia, R., Steain, M., Abendroth, A., Arvin, A. (2012). Apparent Expression of Varicella-Zoster Virus Proteins in Latency Resulting from Reactivity of Murine and Rabbit Antibodies with Human Blood Group A Determinants in Sensory Neurons. *Journal of Virology*, 86(1), 578-583. <a href="http://dx.doi.org/10.1128/JVI.05950-11">[More Information]</a>

Bowles, J., Steain, M., Slobedman, B., Abendroth, A. (2012). Inhibition of integrin  $\alpha 6$  expression by cell-free varicella zoster virus. *Journal of General Virology*, 93(8), 1725-1730. <a href="http://dx.doi.org/10.1099/vir.0.039917-0">[More Information]</a>

Steain, M., Slobedman, B., Abendroth, A. (2012). The host immune response to varicella zoster virus. *Future Virology*, 7(12), 1205-1220. <a href="http://dx.doi.org/10.2217/fvl.12.116">[More Information]</a>

### 2011

Christensen, J., Steain, M., Slobedman, B., Abendroth, A. (2011). Differentiated neuroblastoma cells provide a highly efficient model for studies of productive varicella-zoster virus infection of neuronal cells. *Journal of Virology*, 85(16), 8436-8442. <a href="http://dx.doi.org/10.1128/JVI.00521-11">[More Information]</a>

Wang, B., Steain, M., Dwyer, D., Cunningham, A., Saksena, N. (2011). Synthetic long oligonucleotides to generate artificial templates for use as positive controls in molecular assays: drug resistance mutations in influenza virus as an example. *Virology Journal*, 8(August), A405-1-A405-7. <a href="http://dx.doi.org/10.1186/1743-422X-8-405">[More Information]</a>

Steain, M., Gowrishankar, K., Rodriguez, M., Slobedman, B., Abendroth, A. (2011). Upregulation of CXCL10 in Human Dorsal Root Ganglia during Experimental and Natural Varicella-Zoster Virus Infection. *Journal of Virology*, 85(1), 626-631. <a href="http://dx.doi.org/10.1128/JVI.01816-10">[More Information]</a>

### 2010

Gowrishankar, K., Steain, M., Cunningham, A., Rodriguez, M., Blumbergs, P., Slobedman, B., Abendroth, A. (2010). Characterization of the host immune response in human Ganglia after herpes zoster. *Journal of Virology*, 84(17), 8861-8870. <a href="http://dx.doi.org/10.1128/JVI.01020-10">[More Information]</a>

Steain, M., Slobedman, B., Abendroth, A. (2010). Experimental Models to Study Varicella-Zoster Virus Infection of Neurons.

In A Abendroth, A M Marvin and J F Moffat (Eds.), *Current Topics in Microbiology and Immunology: Varicella-zoster Virus*, (pp. 211-228). Germany: Springer-Verlag. <a href="http://dx.doi.org/10.1007/978-3-642-12728-1">[More Information]</a>

## 2009

Steain, M., Dwyer, D., Hurt, A., Kol, C., Saksena, N., Cunningham, A., Wang, B. (2009). Detection of influenza A H1N1 and H3N2 mutations conferring resistance to oseltamivir using rolling circle amplification. *Antiviral Research*, 84(3), 242-248. <a href="http://dx.doi.org/10.1016/j.antiviral.2009.09.010">[More Information]</a>

Wang, B., Dwyer, D., Chew, C., Kol, C., Ping He, Z., Joshi, H., Steain, M., Cunningham, A., Saksena, N. (2009). Sensitive detection of the K103N non-nucleoside reverse transcriptase inhibitor resistance mutation in treatment-naïve HIV-1 infected individuals by rolling circle amplification. *Journal of Virological Methods*, 161(1), 128-135. <a href="http://dx.doi.org/10.1016/j.jviromet.2009.06.004">[More Information]</a>

## 2008

Steain, M., Wang, B., Saksena, N. (2008). The possible contribution of HIV-1-induced syncytia to the generation of intersubtype recombinants in vitro. *AIDS*, 22(9), 1009-1017. <a href="http://dx.doi.org/10.1097/QAD.0b013e3282f82b6c">[More Information]</a>

## 2007

Wang, B., Lau, K., Ong, L., Shah, M., Steain, M., Foley, B., Dwyer, D., Kamarulzaman, A., Ng, K., Saksena, N. (2007). Complex patterns of the HIV-1 epidemic in Kuala Lumpur, Malaysia: Evidence for expansion of circulating recombinant form CRF33\_01B and detection of multiple other recombinants. *Virology*, 367(2), 288-297. <a href="http://dx.doi.org/10.1016/j.virol.2007.05.033">[More Information]</a>

## 2006

Steain, M., Wang, B., Saksena, N. (2006). Analysis of HIV-1 sequences vertically transmitted to infants in Kisumu, Kenya. *Journal Of Clinical Virology*, 36(4), 298-302. <a href="http://dx.doi.org/10.1016/j.jcv.2006.02.001">[More Information]</a>

## 2005

Steain, M., Wang, B., Yang, C., Shi, Y., Nahlen, B., Lal, R., Saksena, N. (2005). HIV type 1 sequence diversity and dual infections in Kenya. *AIDS Research and Human Retroviruses*, 21(10), 882-885. <a href="http://dx.doi.org/10.1089/aid.2005.21.882">[More Information]</a>

Saksena, N., Wang, B., Steain, M., Yang, R., Zhang, L. (2005). Snapshot of HIV pathogenesis in China. *Cell Research*, 15(11-12), 953-961. <a href="http://dx.doi.org/10.1038/sj.cr.7290373">[More Information]</a>

## 2004

Steain, M., Wang, B., Dwyer, D., Saksena, N. (2004). HIV-1 co-infection, superinfection and recombination. *Sexual Health*, 1(4), 239-250. <a href="http://dx.doi.org/10.1071/SH04024">[More Information]</a>

Potter, S., Chew, C., Steain, M., Dwyer, D., Saksena, N. (2004). Obstacles To Successful Antiretroviral Treatment Of Hiv-1 Infection: Problems & Perspectives. *Indian Journal of Medical Research*, 119, 217-37.