

Dr Kirsty MacLellan-Gibson

Publications

“Evidence that maturation of the N-linked glycans of the respiratory syncytial virus (RSV) glycoproteins is required for virus-mediated cell fusion: The effect of alpha-mannosidase inhibitors on RSV infectivity.” McDonald, T. P., Jeffree, C. E., Li, P., Rixon, H. W., Brown, G. Aitken, J. D., Maclellan, K., Sugrue, R. J. *Virology*, 2006 Jul 5; 350 (2): 289-301.

“The 24Å structure of Respiratory Syncytial Virus N-RNA decameric rings.” MacLellan, K., Loney, C., Yeo, R.P., Bhella, D. *Journal of Virology*, 2007 Sep; 81 (17): 9519-24.

“Viruses in acidic geothermal environments of the Kamchatka Peninsula.” Ariane Bize, Xu Peng, Maria Prokofeva, Kirsty MacLellan, Soizick Lucas, Patrick Forterre, Roger A. Garrett, Elizaveta A. Bonch-Osmolovskaya and David Prangishvili. *Research in Microbiology*, Volume 159, Issue 5, June 2008, 358-366.

“Analysis of cryo-electron microscopy images does not support the existence of 30-nm chromatin fibers in mitotic chromosomes in situ.” Mikhail Eltsov, Kirsty M. MacLellan, Kazuhiro Maeshima, Achilleas S. Frangakis, and Jacques Dubochet. *PNAS* 2008 105:19732-19737

“X-ray Structure of a Respiratory Syncytial Virus Nucleoprotein-RNA Template-Like Assembly.” Rajiv G. Tawar, Stéphane Duquerroy, Clemens Vonrhein, Paloma F. Varela, Laurence Damier-Piolle, Nathalie Castagné, Kirsty MacLellan, Hugues Bedouelle, Gérard Bricogne, David Bhella, Jean-François Eléouët and Félix A. Rey. *Science*, 2009 Nov 27;326(5957):1279-83.

“Guidelines for reporting the use of column chromatography in proteomics.” Jones AR, Carroll K, Knight D, Maclellan K, Domann PJ, Legido-Quigley C, Huang L, Smallshaw L, Mirzaei H, Shofstahl J, Paton NW; Minimum Information About a Proteomics Experiment (MIAPE). *Nat Biotechnol.* 2010 Jul;28(7):654.

“Preservation of protein globules and peptidoglycan in the mineralized cell wall of nitrate-reducing, iron(II)-oxidizing bacteria: a cryo-electron microscopy study.” Jennyfer Miot, Kirsty MacLellan, Karim Benzerara, Nicolas Boisset. *Geobiology*. 2011 Nov;9(6):459-70.

“A promoter mutation in the HA segment of influenza A virus generates an effective candidate live attenuated vaccine.” Ruth Harvey, Rachel E Johnson, Kirsty MacLellan-Gibson, James S Robertson and Othmar G Engelhardt. *Influenza and Other Respiratory Viruses* (In Press)