Shingo Iwami
Japan Science and Technology Agency
e-mail: siwami@ms.u-tokyo.ac.jp
Catherine Beauchemin
Department of Physics, Ryerson University
Tetsuko Tada
Institute for Virus Research, Kyoto University
Tatsuhiko Igarashi
Institute for Virus Research, Kyoto University
Tomoyuki Miura
Institute for Virus Research, Kyoto University

Quantification system of viral dynamics in vitro - the dynamics of SHIV on HSC-F -

What we want to obtain and analyze are quantitative time-course experimental data but not qualitative snap-shot experimental data for the purpose of getting dynamical information of viral infection such as half-life of infected cells, one of virions, burst-size of virus, basic reproductive number of infected cell and so on. Today, I am going to show our recent studies about "Quantification system of viral dynamics in vitro", in which we can quantify the above dynamics of SHIV on HSC-F cell line.