

Flu-vision: total imaging systems for analyzing influenza virus infection

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Every year, influenza epidemics occur, causing increased morbidity and mortality, particularly in vulnerable populations. In addition, worldwide epidemics, or pandemics, occasionally occur. Consequently, influenza has an enormous impact on the global economy. To better understand influenza pathogenesis, we are developing imaging technologies utilizing IVIS, micro CT, 2-photon microscopy, CLEM, and FIB-SEM. In my presentation, I will discuss our progress in using these technologies to analyze influenza virus infection.