Supplemental Movie 1. Real-time imaging of intraluminal migration of CX_3CR1^+ cells. InvAAroASalmonella were introduced into intestinal isolated loops and migration of fluorescent $CX_3CR1^{+/gfp}$ cells was monitored (XY plan) by two-photon microscope. Two hours after the application of the bacterial challenge. $CX_3CR1^{+/gfp}$ cell (red circle) protruded into the intestinal lumen from the surface of the intestinal epithelium, and after migrating completely into the lumen subsequently moved away following a non-linear trajectory (red line) from the site of entry. The movie also shows that the imaged cell was immediately followed by another $CX_3CR1^{+/gfp}$ cell protruding via the same opening in the epithelium. Lapse time is shown on the upper left corner of video; Scale bar =10µm.