



**Supplementary Figure 2.** Montage of cells migrating toward the passive gradient generating ports over 100 min. Images of cells at the respective time points migrating toward cAMP within the gradient generating ports over 100 min. As time progresses an increasing amount of cells begin to move toward and into the gradient generating ports. At the later time points (60 min and later), the cells began to stream into the gradient generating ports. The cells were imaged using phase contrast microscopy. At the 5 min time point, the Harvard syringe pump was activated at a flow rate of  $50 \mu\text{L}/\text{h}$  to set up a cAMP gradient. Scale bar is  $20 \mu\text{m}$ .