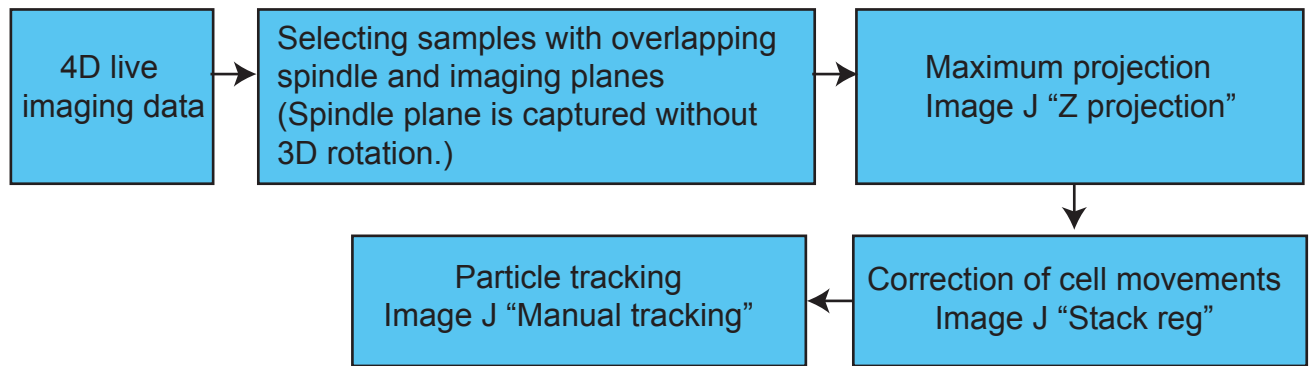
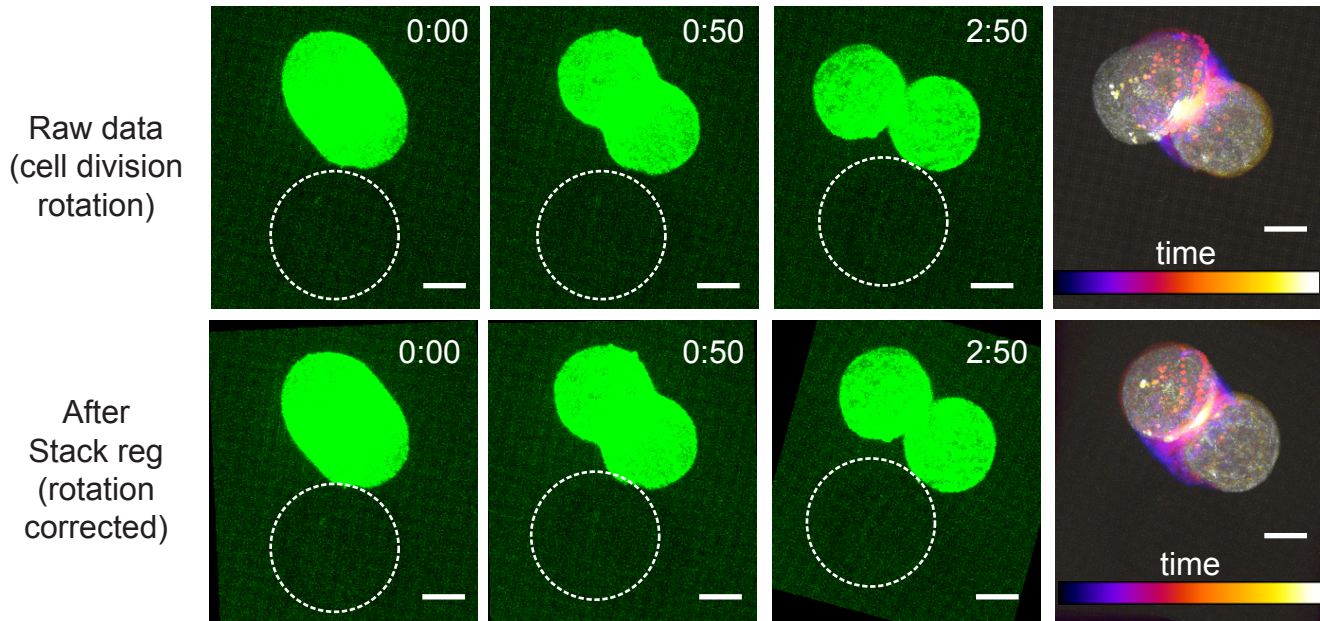


# Figure 7

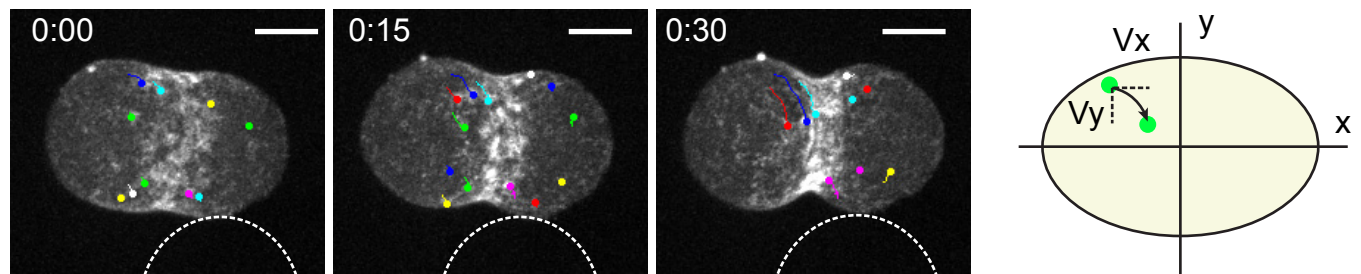
## A Myosin flow analysis



## B



## C



### Figure 7. Analysis of myosin flow

(A) A diagram of myosin flow analysis. (B) Correction of cell division orientation. To quantify intracellular myosin flow dynamics, the rotation of dividing cell was corrected using the Image J plugin Stack reg ("rigid body" option). Upper and bottom images are before and after the Stack reg processing. Right most images show temporal color code of time series. (C) Tracking of myosin foci. Using the images processed by Stack reg, individual myosin foci movements were tracked by Image J "Manual tracking" plugin. Division axis and the axis perpendicular to it were defined as x and y, respectively (right schematics). Myosin flow velocities in x and y axis ( $V_x$  and  $V_y$ ) were measured according to the coordinate information. Scale bars are 10  $\mu\text{m}$ . Times are minutes and seconds.