

Dataset description:

Title: Myosin II-mediated cell shape changes and cell intercalation contribute to primitive streak formation.

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The dataset represents a timelapse sequence showing cell and tissue dynamics during primitive streak formation in chick embryo. The data were acquired using Myr-GFP embryos and a custom built light-sheet microscope. The sequence shows the developmental period covering the time interval from the freshly laid egg (stage EGXIII), prior to the onset of tissue movement until the end of the formation of the primitive streak (Stage HH4). Shown here is only one of the x,y planes from a 3D stack of 100 x,y,z planes that was used for further quantitative analysis of cell and tissue dynamics. The individual results of these analyses are presented as the overlays and are described in the accompanying '.txt' file.

The images can be opened using any program that supports the '.tif' format. To view the sequence with the overlays we recommend to open the '.pattern' file with Bioformats or Fiji with the Bioformats importer installed.

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