**Title:**

Image based modeling of bleb site selection

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We include all the raw image data and QuimP analysis used in the paper. QuimP plugin for imageJ is freely available on request at <http://www2.warwick.ac.uk/fac/sci/dcs/people/till_bretschneider/quimp/quimp-download>

Data is subdivided into folders according to percentage of agarose overlay used (either 2% or 0pt7%), each dataset is then further subdivided into folders for individual cells analysed.

QuimP file types:

* Parameter files (.paQP) Store segmentation parameters, frame rate, scale and pixel size
* Snake contour data (.snQP) Segmentation infro: Node positions, Node speed between frames, fluorescence intensity for each channel, x and y coordinates where fluorescence was sampled along the contour
* Frame statistics (.stQP) Statistics for each frame rather than for individual nodes.
* Map files (.maQP) Motility map of node speeds over time, convexity map of curvature over time, Fluorescence maps of cortical fluorescence over time
* Scalable vector graphics output (.svg) Cell track showing cell outlines for all time frames overlayed