

CAPTION OF MOVIES

All movies are digital time-lapse phase microscopy images that were taken every 30 second for designated time. Each movie was generated at 30 fps from one typical area of a time-lapse image sequence. Small particles seen in some of the movies are debris from the serum in the medium. In the movies with shear flow, the medium was flowing in a left-to-right direction, providing a shear force of 4 dyn/cm².

Movie 1: CHO cells on fibronectin with shear flow, 6 hours.

Movie 2: CHO- α 4WT cells on fibronectin with shear flow, 4 hours.

Movie 3: CHO- α 4WT cells on FNIII12-V₁₂₀₋₁₅ (contains CS-1) with shear flow, 6 hours.

Movie 4: CHO- α 4WT cells on FNIII7-11 (contains RGD) with shear flow, 4 hours.

Movie 5: CHO- α 4WT cells on fibronectin without shear flow, 6 hours.

Movie 6: CHO- α 4WT cells on CS-1 without shear flow, 4 hours.

Movie 7: CHO- α 4Y991A cells on fibronectin with shear flow, 6 hours.

Movie 8: CHO- α 4Y991A cells on CS-1 with shear flow, 4 hours.

Movie 9: CHO- α 4S988A cells on fibronectin with shear flow, 6 hours.

Movie 10: CHO- α 4S988A cells on CS-1 with shear flow, 3 hours.

Movie 11: CHO- α 4DM cells on fibronectin with shear flow, 6 hours.

Movie 12: CHO- α 4DM cells on CS-1 with shear flow, 3 hours.